October 2026

Annual MS4 Report – FY26
VSMP Permit No. VA0088595

Cover Photo: Powells Creek Ph 1 Stream Restoration

Submitted by:
Prince William County
Department of Public Works

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Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Benjamin Eib _____ 9/29/26 _____

Benjamin Eib **Date**

Sr Environmental Program Manager

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
	A. DISCHARDGES AUTHORIZED UNDER THIS STATE PERMIT				
	A.1. Authorized Discharges				
A.1.a.	*This state permit authorizes the discharge of stormwater from all existing and new municipal separate stormwater point source discharges to surface waters from the Municipal Separate Storm Sewer System (MS4) owned or operated by the County of Prince William in Virginia.*				
A.1.b.	*The following discharges, whether discharged separately or commingled with municipal stormwater, are also authorized by this state permit for discharge through the MS4:*				
A.1.b.1.	*Non-stormwater discharges and stormwater discharges associated with industrial activity (defined at 9VAC25-31-10) that are authorized by a separate Virginia Pollutant Discharge Elimination System (VPDES) permit;*				
A.1.b.2.	*Discharges from construction activities that are regulated under the Virginia Stormwater Management Program (VSMP) (9VAC25-870-10 et seq.) and authorized by a separate VSMP authority permit or state permit; and*				

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A.1.b.3.	*The following non-stormwater discharges unless the State Water Control Board or the permittee determines the discharge to be a significant source of pollutants to surface waters:* *(a) water line flushing, managed in a manner to avoid instream impact;* *(b) landscape irrigation;* *(c) diverted stream flows;* *(d) rising ground waters;* *(e) uncontaminated ground water infiltration (as defined at 40 CFR Part 35.2005(20));* *(f) uncontaminated pumped ground water;* *(g) discharges from potable water sources, managed in a manner to avoid instream impact;* *(h)foundation drains;* *(i) air conditioning condensation;* *(j) irrigation water;* *(k) springs;* *(l) water from crawl space pumps;* *(m) footing drains;* *(n)lawn watering;* *(o)individual residential car washing;* *(p)flows from riparian habitats and wetlands;* *(q) dechlorinated swimming pool discharges, managed in a manner to avoid instream impact;* *(r) street wash water that do not contain cleaning additives or otherwise managed in a manner to avoid instream impact;* *(s) routine external building was down provided no soaps, solvents, or detergents are used, external building surfaces do not contain hazardous substances, and the wash water is filtered, settled, or similarly treated prior to discharge;* *(t) discharges or flows from fire fighting activities;* *(u) discharges or flows of water for fire protection or firefighting training activities managed in a manner to avoid instream impact in accordance with § 9.1-207.1 of the Code of Virginia;* *(v) discharges from noncommercial fundraising car washes if the washing uses only biodegradable, phosphate-free, water-based cleaners in accordance with § 12.2-2114.1 of the Code of Virginia; or* *(w) other activities generating discharges identified by the Department as not requiring VPDES authorization.*	DPW, EMD, COD	• Non-stormwater discharges are tracked as part of the Illicit Discharge Detection and Elimination program. • See MS4 Action ID B.2.e.1.		

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A.1.b.4.	*Materials from a spill are not authorized unless the discharge of material resulting from a spill is necessary to prevent loss of life, personal injury, or severe property damage. The permittee shall take, or require the responsible party to take, all reasonable steps to minimize or prevent any adverse effect on human health or the environment in accordance with the permittee's program under Part I.B.2.f). (Spill Prevention and Response). This state permit does not transfer liability for a spill itself from the party(ies) responsible for the spill to the permittee nor relieve the party(ies) responsible for a spill from the reporting requirements of 40 CFR Part 117 and 40 CFR Part 302. The permittee is responsible for any reporting requirement listed under Part III.G of this state permit.*				
	A.2. Permittee Responsabilities				
A.2.	*This state permit establishes the specific requirements applicable to the permittee for the term of this state permit. The permittee is responsible for compliance with this state permit. The permittee shall implement and update the MS4 Program Plan (as set forth in Part I.B) to ensure compliance with this state permit. The Department has determined that implementation of the MS4 Program Plan reduces the discharge of pollutants to the maximum extent practicable. Where wasteloads have been allocated for pollutant(s) of concern in an approved Total Maximum Daily Load (TMDL), the permittee shall implement the special conditions as set forth in Part I.D of this state permit. Compliance with the requirements of this state permit shall also constitute adequate progress for this permit term towards complying with the assumptions and requirements of the applicable TMDL wasteload allocations such that the discharge does not cause or contribute to violations of the water quality standards.*				

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A.2-1.	*The permittee shall clearly define the roles and responsibilities of each of the permittee's departments, divisions or subdivisions in maintaining permit compliance. If the permittee relies on another party to implement portions of the MS4 Program Plan, both parties must document the agreement in writing. The agreement shall be retained by the permittee with the MS4 Program Plan. Roles and responsibilities shall be updated as necessary. Where the permittee relies on another party to implement a portion of this state permit, responsibility for compliance with this state permit shall remain with the permittee.*	DPW, EMD, COD	• Roles and responsibilities are provided as part of the County's MS4 program plan. Roles and responsibilities can be reviewed as part of each BMP section within the MS4 Program Plan. • The county has written agreements with the following organizations to support implementation of portions of the MS4 Program Plan: o Prince William County Soil and Water Conservation District (PWCSWCD) o Keep Prince William Beautiful (KPWB) o Northern Virginia Regional Commission (NVRC) Clean Water Partners o Prince William Water (Previously known as Prince William County Service Authority) o Virginia American Water o Upper Occoquan Service Authority (UOSA)	*Each annual report shall include a current list of roles and responsibilities*	• A detailed list of roles and responsibilites is included as Appendix A.
A.2-2.	*In the event the permittee is unable to meet conditions of this state permit due to circumstances beyond the permittee's control, a written explanation of the circumstances that prevented permit compliance shall be submitted to the Department in the annual report. Circumstances beyond the permittee's control may include abnormal climatic conditions; weather conditions that make certain requirements unsafe or impracticable; or unavoidable equipment failures caused by weather conditions or other conditions beyond the reasonable control of the permittee (operator error and failure to properly maintain equipment are not conditions beyond the control of the permittee). The failure to provide adequate program funding, staffing or equipment maintenance shall not be an acceptable explanation for failure to meet permit conditions. The Department will determine, at its sole discretion, whether the reported information will result in an enforcement action. In addition, the permittee must report noncompliance which may adversely affect surface waters or endanger public health in accordance with Part III.I.*	DPW, EMD, COD	If Prince William County is unable to meet the conditions of this permit due to circumstances beyond its control, the county will provide a list of circumstances that prevented permit compliance.	*Each annual report shall include a list of those circumstances of non-compliance outside of the permittee's control.*	There were no circumstances of non-compliance beyond the county's control during the reporting period.
	A.3. Legal Authority				

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
A.3.	*The permittee shall maintain and utilize its legal authority authorized by the Commonwealth of Virginia to control discharges to and from the MS4 in the manner established by the specific requirements of this state permit. The legal authority shall enable the permittee to:*				
A.3.a.	*Control the contribution of pollutants to the MS4;*	DPW, EMD, COD	• These regulations are contained in section 700 of the County's Design & Construction Manual Standards Manual (DCSM), and Chapter 23.2, Article IV - Stormwater Management in Prince William County Code, which is available at the following link: https://library.municode.com/va/prince_william_county/codes/code_of_ordinances?nodeId=CH23.2STMA		
A.3.b.	*Prohibit illicit discharges to the MS4;*	DPW, EMD, COD	• These regulations are contained in section 700 of the County's Design & Construction Manual Standards Manual (DCSM), and Chapter 23.2, Article IV - Stormwater Management in Prince William County Code, which is available at the following link: https://library.municode.com/va/prince_william_county/codes/code_of_ordinances?nodeId=CH23.2STMA		

<table>
<tr><th>MS4 Action ID</th><th>Permit Requirement</th><th>Responsible Party</th><th>2026 Program Plan Elements
(July 1, 2025 through June 30, 2026)</th><th>Specific Reporting Requirement</th><th>2026 Annual Report
(July 1, 2025 through June 30, 2026)</th></tr>
<tr><td>A.3.c.</td><td>Control the discharge of spills and the dumping or disposal of materials other than stormwater (e.g. industrial and commercial wastes, trash, used motor vehicle fluids, leaf litter, grass clippings, animal wastes, etc.) into the MS4;</td><td>DPW, EMD, COD</td><td>• These regulations are contained in section 700 of the County's Design & Construction Manual Standards Manual (DCSM), and Chapter 23.2, Article IV - Stormwater Management in Prince William County Code, which is available at the following link: https://library.municode.com/va/prince_william_county/codes/code_of_ordinances?nodeId=CH23.2STMA</td><td></td><td>Prince William County addresses the MS4 permit requirement to control the discharge of spills, dumping, and disposal of materials other than stormwater through both regulatory and proactive measures. In addition to enforcing County Code provisions related to litter and illegal dumping, the County actively removes trash and litter from the environment through programs such as the County’s litter crew, which conducts roadside litter collection, and the Bandalong floating trash trap, which captures floating debris in Neabsco Creek. The County manages the Bandalong and hosts monthly volunteer cleanouts to remove accumulated trash. The County also partners with organizations including the Prince William Soil and Water Conservation District (PWSWCD) and Keep Prince William Beautiful (KPWB) to conduct volunteer stream and roadside cleanups throughout the community. These combined regulatory, operational, and community-based efforts help prevent trash and other pollutants from entering the County’s MS4 and local waterways. The total amount of trash collected through these efforts is shown in the table below.
<table>
<tr><th colspan="2">Trash Collected in FY26</th></tr>
<tr><th>Organization</th><th>Weight of Trash (lbs)</th></tr>
<tr><td>PWSWCD</td><td>26,545</td></tr>
<tr><td>KPWB</td><td>2,319</td></tr>
<tr><td>Bandalong</td><td>1,320</td></tr>
<tr><td>PWC Litter Crew</td><td>163,979</td></tr>
<tr><td>Total</td><td>194,163</td></tr>
</table></td></tr>
<tr><td>A.3.d.</td><td>Require compliance with conditions in ordinances, permits, contracts, inter-jurisdictional agreements, or orders; and,</td><td>DPW, EMD, COD</td><td>The county has the authority to require compliance related to implementing the permit requirements, including but not limited to:
• Conditions in ordinances (including permits and orders issued under ordinances): The county has authority as authorized by state law and as stated in local ordinances, including options for escalating enforcement steps as appropriate in the county’s exercise of its enforcement discretion as the regulator of covered third party activities.</td><td></td><td></td></tr>
<tr><td>A.3.e.</td><td>Carry out all inspections, surveillance and monitoring procedures necessary to determine compliance and noncompliance with permit conditions including the prohibition on illicit discharges to the MS4.</td><td>DPW, EMD, COD</td><td>The county has authority to conduct inspections/monitoring etc. related to implementing the permit requirements.</td><td></td><td></td></tr>
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A.3-1.	*The permittee shall review and update its ordinances and other legal authorities such as permits, orders, contracts and inter-jurisdictional agreements as necessary to continue providing adequate legal authority to control discharges to and from the MS4.*	DPW, EMD, COD	Prince William County's current ordinances and other legal authorities provide adequate legal authority to control discharges to and from the MS4. Ordinances and other legal authorities will be reviewed annually as part of the Program Plan review.	*Each annual report shall provide a list of any updates to applicable ordinances, permits, orders, contracts, and/or agreements performed over the reporting year.*	
	A.4. MS4 Program Resources				
A.4.	*The permittee shall submit to the Department a copy of each fiscal year's budget including its proposed capital and operation and maintenance expenditures necessary to accomplish the activities required by this state permit. The permittee shall describe its method of funding the stormwater program with the copy of the fiscal year budget.*	DPW, EMD, COD	The fiscal year's budget will be provided as required.	*A copy of the fiscal year's budget including its proposed capital and operation and maintenance expenditures necessary to accomplish the activities required by this state permit shall be submitted with each annual report.*	The Annual Program Budget can be found in Appendix B.
	A.5. Permit Maintanence Fees				
A.5.	*Permit maintenance fees shall be paid in accordance with Part XIII of the VSMP regulations (9VAC25-870- 700 et seq.).*	DPW, EMD, COD	The permit fees have been paid as required.	*A statement regarding payment of the applicable MS4 permit maintenance fee, including check date and check number shall be included with each annual report. Note: Please do not include copies of checks or other bank records.*	Prince William County's MS4 permit maintenance fee was paid with check number 128610 dated 9/11/25.
	A.6. MS4 Program Plan				

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
A.6.	*The permittee shall maintain, implement and enforce an MS4 Program Plan accurately documenting the MS4 Program including all additions, changes and modifications. For the purposes of this state permit, the MS4 Program Plan is considered a single document, but may actually consist of separate documents (e.g., dry weather screening plans, wet weather monitoring plans, TMDL Action Plans, annual reports). Policies, ordinances, strategies, checklists, watershed plans and other documents may be incorporated by reference provided the latest revision date is included in the MS4 Program Plan and all documents are available upon request. Specific reference shall be made to any ordinance more stringent than the Virginia Stormwater Management Act (§ 62.1-44.15:24 et seq) and VSMP regulations (9VAC25-870 et. seq.), the Virginia Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq.) and Regulations (9VAC25-840 et seq.) and the Chesapeake Bay Preservation Act (§ 62.1-44.15:67 et seq.) and Chesapeake Bay Preservation Area Designation and Management Regulations (9VAC25-830 et seq).* *The permittee shall updated the MS4 Program Plan annually and the most up-to-date version of the MS4 Program Plan shall be posted on the permittee's website within 30 days of updating the MS4 program Plan.* *The most recent MS4 Program Plan shall be maintained on the permittee's website and provided in at least one other location easily accessible to the public.*	DPW, EMD, COD	The MS4 Program Plan will be reviewed annually and updated as needed.	The annual report shall include a summary of any updates to the MS4 Program Plan made during the reporting year.	Prince William County conducts an annual review of its MS4 Program Plan to evaluate the effectiveness of the County's stormwater management program and ensure that the Plan continues to address applicable permit requirements and program needs. During the FY26 reporting period, the County completed its annual review of the MS4 Program Plan; however, no revisions or updates were necessary during this reporting year. The most recent update to the MS4 Program Plan was completed and submitted during the FY25 reporting year. A summary of the most recent changes made to the MS4 Program Plan can be found in Appendix C.
	A.7. MS4 Program Review and Updates				
A.7.	*MS4 Program Review: The permittee will review the current MS4 Program Plan annually, in conjunction with the preparation of the annual report required under Part I.E of this state permit.*	DPW, EMD, COD	The MS4 Program Plan will be reviewed annually and updated as needed.	All modifications and proposed modifications shall be reported in accordance with this section of the permit.	Prince William County has reviewed the MS4 Program Plan in accordance with the requirements of the renewed permit; however, no updates or changes were made this reporting year.

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A.7.a.	*MS4 Program Updates and Modifications: Modifications to the MS4 Program Plan are expected throughout the life of this state permit as part of the iterative process to reduce pollutant loading and protect water quality. As such, modifications made in accordance with this state permit as a result of the iterative process do not require modification of this state permit unless the Department determines the changes meet the criteria referenced in 9VAC25- 870-630 or 9VAC25-870-650. Updates and modifications to the MS4 Program Plan may be made during the life of the permit in accordance with the following procedures:*				
A.7.a.1.	*Adding (but not eliminating or replacing) components, controls, or requirements to the MS4 Program Plan may be made by the permittee at any time. Additions shall be reported as part of the annual report.*				
A.7.a.2.	*Updates and modifications to specific standards and specifications, schedules, operating procedures, ordinances, manuals, checklists and other documents routinely evaluated and modified are authorized under this state permit provided that the updates and modifications are performed in a manner (i) that is consistent with the conditions of this state permit, (ii) that ensure public notice and participation requirements established in this state permit are followed, and (iii) that the updates and modifications are documented in the annual report.*				

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A.7.a.3.	*Replacing, or eliminating without replacement, any ineffective or infeasible strategies, policies and Best Management Practices (BMPs) specifically identified in this state permit with alternate strategies, policies, and BMPs may be requested at any time. Such requests shall include the following:* *(a) An analysis of how and/or why the BMPs, strategies, or policies are ineffective or infeasible including information on whether the BMPs, strategies, or policies are cost prohibitive;* *(b) Expectations on the effectiveness of the replacement BMPs, strategies, or policies;* *(c) An analysis of how the replacement BMPs are expected to achieve the goals of the BMPs to be replaced;* *(d) A schedule for implementing the replacement BMPs, strategies, and policies; and* *(e) An analysis of how the replacement strategies and policies are expected to improve the permittee's ability to meet the goals of the strategies and policies being replaced.*			Requests or notifications shall be made in writing to the Department and signed in accordance with 9VAC25-870-370 of the VSMP regulations. Modification to the MS4 Program Plan shall become effective and enforceable upon written approval from the Department. Major modifications to the MS4 Program Plan as defined in 9VAC25-870-10 may require that the permit be reopened and modified pursuant to 9VAC25-870-630.	

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A.7.b.	*MS4 Program Updates Requested by the Department: In a manner and following procedures in accordance with the Virginia Administrative Processes Act, the VSMP regulations and other applicable State laws, statutes and regulations, the Department may request changes to the MS4 Program Plan to assure compliance with the statutory requirements of the Virginia Stormwater Management Act and associated regulations and to:* *1) Address impacts on receiving water quality caused by discharges from the MS4;* *2) Include more stringent requirements necessary to comply with new State or Federal statutory or regulatory requirements; or* *3) Include such other conditions necessary to comply with State or Federal statutory or regulatory requirements.*			*• Proposed changes requested by the Department shall be made in writing and set forth the basis for and objective of the modification as well as the proposed time schedule for the permittee to develop and implement the modification. The permittee may propose alternative program modifications and/or time schedules to meet the objective of the requested modification, but any such modifications are at the discretion of the Department.* *• All modifications and proposed modifications shall be reported in accordance with this section of the permit.*	
	B. STORMWATER MANAGEMENT *The following subparts describe the requirements for the permittee to implement in its MS4 Program Plan during this state permit term:*				
	B.1. Planning				

<table>
<tr><th>MS4 Action ID</th><th>Permit Requirement</th><th>Responsible Party</th><th>2026 Program Plan Elements
(July 1, 2025 through June 30, 2026)</th><th>Specific Reporting Requirement</th><th>2026 Annual Report
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<tr><td>B.1-1.</td><td>No later than 12-months after the effective date of this state permit, the permittee shall submit to the Department, a cost benefit analysis of the stormwater pollutant reduction utilized to select priority projects from the conceptual stormwater projects including those identified in the permittee's completed watershed studies. The permittee shall include in their development of the cost benefit analysis the number of BMP acres treated, impervious area draining into BMP, condition of the downstream channel, amount of pollutant reduction, feasibility for implementation, the unit costs for pollutant reduction and other benefits from the proposed BMP. The cost benefit analysis shall include a prioritized list of the identified conceptual projects for consideration of implementation.
The permittee shall continue to seek public comment in development of the plan. A copy of the completed plan shall be placed on the permittee's website no later than 30 days after any updates are made.</td><td>DPW, EMD, COD</td><td>The watershed management plan has been completed and links to the completed plans are provided on the county's website: https://www.pwcva.gov/department/environmental-services/community-ms-4-program</td><td>The permittee shall provide the Department a current web link to the watershed management plan no later than 12 months after the effective date of this state permit.</td><td>The County's Watershed Management Plan was submitted to DEQ on January 10th, 2025.</td></tr>
<tr><td></td><td>B.2. MS4 Program Implementation</td><td></td><td></td><td></td><td></td></tr>
<tr><td></td><td>B.2.a. Construction Site Runoff and Post Construction Runoff from Areas of New Development and Development on Prior Developed Lands</td><td></td><td></td><td></td><td></td></tr>
<tr><td>B.2.a.1.</td><td>The permittee shall implement a local erosion and sediment control program consistent with the Virginia Erosion and Sediment Control Law §62.1-44.15:51 of the Code of Virginia and Virginia Erosion and Sediment Control Regulations 9VAC25-840 et seq. and a stormwater management program consistent with the Virginia Stormwater Management Act §62.1-44.15:24 of the Code of Virginia and Virginia Stormwater Management Program Regulations 9VAC25-870 et seq.</td><td>DPW, EMD, COD</td><td>• The county's erosion and sediment control program and stormwater management program have been approved by DEQ as consistent with the Virginia Erosion and Sediment Control Law, the Virginia Stormwater Management Act, and their attendant regulations.
• The county uses 2,500 square feet, which is the threshold for land disturbing activities to be regulated under the county's erosion and sediment control program, as the threshold for reporting the number of regulated land disturbing activities and the total number of acres disturbed.</td><td>• Each annual report shall contain the number of regulated land disturbing activities approved and the total number of acres disturbed.
• Each annual report shall contain the number of land disturbing activity inspections conducted and the number and type of each enforcement action taken.</td><td>• For the period July 1, 2025 thru June 30, 2026, Prince William County approved a total of 160 land development plans with a cumulative land disturbance of 1,458.263 acres. Refer to Appendix D for a list of land disturbance plans approved during the period.
• FY26 Erosion and Sediment Control Program Summary
<table>
<tr><th>FY26</th><th>Site Inspections</th><th>Violations</th><th>Notices to Comply</th></tr>
<tr><td>Total</td><td>26,467</td><td>99</td><td>5</td></tr>
</table></td></tr>
</table>

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.a.2.	*The permittee shall identify in the MS4 Program Plan all legal authorities for erosion and sediment control and stormwater management that are more stringent than those required under 9VAC25-840 et seq. and/or 9VAC25-870 et seq. that have been adopted in accordance with § 62.1-44.15:65 and/or § 62.1-44.15:33 of the Code of Virginia.*	DPW, EMD, COD	The county has identified current county requirements that are more stringent than state law/regulations.	*• The initial annual report shall include the permittee's strategy to address maintanence of stormwater management controls that are designed to treat stormwater runoff solely from the individual residential lot on which they are located* *• The initial annual report shall include a list of all known land disturbing projects that qualify under the 'Grandfathering' provision of the VSMP regulations found at 9VAC25-870-48.* *•Each annual report shall include a summary of actions taken by the permittee to implement Part I.B.2.a)1) and 2) of this state permit.*	Refer to Appendix E for a Summary of the County's Virginia Stormwater and Erosion & Sediment Control Programs.
	B.2.b. Retrofitting on Prior Developed Lands				

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B.2.b.	*From the list of stormwater management projects included in the analysis required in Part I.B.1, the permittee shall select at least seven (7) projects no later than the expiration date of this state permit. Projects implemented to meet the requirements of Part I.D of this state permit (TMDL Action Plan and Implementation for the Chesapeake Bay Special Condition or TMDL Action Plans other than the Chesapeake Bay TMDL) may be used to meet the requirements of this special condition.* *For retrofit projects that do not serve to meet the requirements of Part I.D, the permittee shall submit a summary of projects implemented during the reporting period with each annual report including type of land use being retrofitted, retrofit performed, completion date or anticipated completion date, total acreage retrofitted, total impervious and pervious acreage, and location by latitude and longitude (decimal degrees).*	DPW, EMD, COD	The county will implement at least seven projects from the list of projects required in Part I.B.1 no later than the expiration date of this permit.	*Each annual report shall include a status update for those projects for which implementation began during the reporting period.*	A status update on the implementation of these projects can be found in Appendix F.
	B.2.c. Roadways				
B.2.c.	*Streets, roads, and parking lots maintained by the permittee shall continue to be operated and maintained in a manner to minimize discharge of pollutants, including those pollutants related to deicing or sanding activities.*	DFFM	The county meets this requirement through implementation of the actions described below.		
B.2.c.1.	*The permitee shall maintain an accurate list of permitee-maintained raods, streets, and parking lots that includes the street name, the miles of roadway not treated by BMPs, and miles of roadway treated with BMPs.*	DFFM, COD, DPR			A list of county-maintained roads and parking lots can be found in Appendix G.

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.c.2.	*The permittee shall implement written protocols for permittee-maintained road, street and parking lot maintenance, equipment maintenance, and material storage designed to minimize pollutant discharge.*	DFFM	Prince William County Buildings and Grounds is responsible for snow removal at all county facilities maintained by Buildings and Grounds. Snow removal activities are not performed on any other County-maintained roads, streets, or parking lots. Salt, sand, and calcium chloride are the specified materials used in snow removal activities. Any materials used for deicing and sanding activites are stored and maintained in a manner to prevent runoff from precipitation. Prince William County established a county-wide IDDE policy to promote good housekeeping practices across all municipal facilities.	*The permittee shall include an updated version of the written protocols identified in Part I.B.2.c)(2) if any changes are made during the reporting year.*	In FY25, Prince William County implemented an updated SOP for Illicit Discharge Elimination and MS4 Permit Compliance, which is designed to minimize pollutant discharge and promote good housekeeping practices across County facilities. This SOP is located in Appendix 10 of the Prince William County MS4 Program Plan.
B.2.c.3.	*Within 24 months of permit issuance, the permittee shall develop or review and update, if necessary, its existing procedures for snow and ice management, as well as identify oppurtunities to implement best management practices that promote efficient management and application of anti-icing and deicing agent applications to any permittee-maintained parking lots, roadways, and sidewalks or other paved surfaces.*	DFFM			
B.2.c.4.	*Materials utilized for deicing and sanding activities shall remain covered from precipitation until application.*	DFFM	Prince William County Buildings and Grounds is responsible for snow removal at all county facilities maintained by Buildings and Grounds. Snow removal activities are not performed on any other County-maintained roads, streets, or parking lots. Salt, sand, and calcium chloride are the specified materials used in snow removal activities. Any materials used for deicing and sanding activites are stored and maintained in a manner to prevent runoff from precipitation. Prince William County established a county-wide IDDE policy to promote good housekeeping practices across all municipal facilities.		

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B.2.c.5.	*The permittee shall not apply any deicing agent containing urea or other forms of nitrogen or phosphorus to parking lots, roadways, and sidewalks or other paved surfaces.*	DFFM	The County uses salt, sand, and calcium chloride as specified snow removal materials. No deicing agent containing nitrogen or phosphorus is used by the County.		
	B.2.d. Pesticide, Herbicide, and Fertilizer Application				
B.2.d.	*The permittee shall continue to control the discharge of pollutants related to the storage and application of pesticides, herbicides, and fertilizers applied to permittee rights of way, parks, and other permittee property, as follows:*	DFFM, DPRT	The County meets this requirement through implementation of the actions described below.		
B.2.d.1.	*The permittee shall implement and maintain turf and landscape nutrient management plans that have been developed by a certified nutrient management planner in accordance with § 10.1-104.2 of the Code of Virginia on all lands owned or operated by the MS4 permittee where nutrients are applied to a contiguous area greater than one acre. Nutrient management plans shall be submitted to the Departement of Conservation and Recreation (DCR) for approval no later than 30 prior to plan expiration. No nutrient management plans maintained by the permittee shall be considered expired while DCR is reviewing the plan for approval.*	DFFM, DPRT			
B.2.d.1.a.	*The permittee shall maintain a list of all permittee lands where nutrients are applied to a contiguous area of more than one acre (including latitude and longitude).*	DFFM, DPRT	County staff has identified all county lands where nutrients are applied to a contiguous area of more than one acre. A latitude and longitude have been provided for each area.		
B.2.d.1.b.	*The permittee shall annually track the following:* *(1) The total acreage of permittee lands upon which nutrients are applied and controlled using general permittee guidelines or standard operating procedures;* *(2) The acreage of permittee lands where turf and landscape nutrient management plans are required; and,* *(3) The acreage of permittee lands covered by turf and landscape nutrient management plans have been implemented.*	DFFM, DPRT	• County staff will track the total acreage where nutrients are applied on identified county lands with a contiguous area greater than one acre. • County staff will track the acreage where turf and landscape nutrient management plans are required. • County staff will track the acreage of county lands covered by turf and landscape nutrient management plans.	*Each annual report shall include the three elements under Part I.B.2.d)1)(b) above and list of properties identified under Part I.B.2.d)1)(a) including the approval date of the most recent nutrient management plan.*	A summary of Nutrient Management Plans can be found in Appendix H. All Nutrient Management Plans are currently up to date, with one exception. The Lake Ridge Golf Course Nutrient Management Plan has expired. Although the property is County-owned, the golf course operations and its nutrient management plan are managed by a third-party private entity. The County has formally notified them of the lapse and are required to bring the plan back into compliance. The operator has confirmed that corrective actions are underway and the plan will be updated in the next annual report.

<table>
<tr><th>MS4 Action ID</th><th>Permit Requirement</th><th>Responsible Party</th><th>2026 Program Plan Elements
(July 1, 2025 through June 30, 2026)</th><th>Specific Reporting Requirement</th><th>2026 Annual Report
(July 1, 2025 through June 30, 2026)</th></tr>
<tr><td>B.2.d.2.</td><td>The permittee shall continue to employ good housekeeping/pollution prevention measures in the application, storage, transport and disposal of pesticides, herbicides and fertilizers.</td><td>DFFM, DPRT</td><td>• Prince William County Public Works will promote and encourage the proper use, application, and disposal of pesticides , herbicides, and fertilizers by public, commercial, and private applicators and distributors.
• The Virginia Cooperative Extension Service help support Prince William County applicators and distributors with proper training and coordination with the Virginia Department of Agriculture and Consumer Services (VDACS).
• VDACS provides ongoing communication with all certified applicators and distributors.
• The Virginia Cooperative Extension Service provides training and education on the use, application, and disposal of pesticides, herbicides, and fertilizers.</td><td></td><td></td></tr>
<tr><td>B.2.d.3.</td><td>The permittee may regulate the use, application, or storage of fertilizers pursuant to §3.2-3602 of the Code of Virginia.</td><td>DFFM, DPRT</td><td>No additional local fertilizer requirements are in place at this time beyond state requirements.</td><td></td><td></td></tr>
<tr><td>B.2.d.4.</td><td>The permittee shall track the acreage of county lands managed under Integrated Pest Management Plans.</td><td>DFFM, DPRT</td><td>Prince William County tracks the acreage of county lands managed under Integrated Pest Management Plans.</td><td>Each annual report shall include the number of acres managed under Integrated Pest Management Plans.</td><td>There are two golf courses owned by the County that are under an Integrated Pest Management Plan. Neither course is located within the County's MS4 services area. The following table identifies the acreage under an IPM.
<table><tr><th>County Land</th><th>Acres</th></tr><tr><td>Forest Greens GC</td><td>105.42</td></tr><tr><td>Prince William GC</td><td>114.33</td></tr></table></td></tr>
<tr><td></td><td>B.2.e. Illicit Discharges and Improper Disposal</td><td></td><td></td><td></td><td></td></tr>
<tr><td>B.2.e.</td><td>Discharges to the MS4 not authorized by this state permit shall be effectively prohibited.</td><td>DPW, EMD, COD</td><td>Prince William County's Illicit Discharge Detection and Elimination (IDDE) Program consists of elements designed to identify, mitigate, and prevent the release of non-stormwater discharges into its storm sewer system, and thus into State and Federal waters. Through development of County Fire Protection, Zoning, Building Development, and Stormwater Management Ordinances. Prince William County has prohibited the discharge of any non-stormwater element determined to be contributing significant amounts of pollutants to its storm sewer system.</td><td></td><td></td></tr>
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MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.e.1.	*In accordance with Part I.A.1.b), certain non-stormwater discharges to the MS4 need not be addressed as illicit discharges or improper disposal. The MS4 Program Plan shall identify any nonstormwater discharges listed under Part I.A.1.b), where the permittee has imposed any conditions on the discharges to the MS4. The permittee shall prohibit, on a case-by-case basis, any individual nonstormwater discharge (or class of non-stormwater discharges) otherwise allowed under this paragraph that is determined to be contributing significant amounts of pollutants to the MS4.*	DPW, EMD, COD	Prince William County has prohibited the discharge of any non-stormwater element determined to be contributing significant amounts of pollutants to its storm sewer system. The County defines all discharges categorized as non-stormwater discharges, as well as those discharges not addressed as illicit discharges in accordance with Part I.A.1.b) of the permit in Article II sec. 23.2-4.1 of Prince William County's Code of Ordinances.		
B.2.e.2.	*The permittee shall continue to follow-up with the PWCSA to identify the efforts taken to limit the exfiltration of sanitary sewage into the MS4 including maintenance and repair activities.*	DPW, EMD, COD	The identification and correction of deficiencies is aided by PWC through its Dry Weather Monitoring, Storm Sewer Maintenance, General Stormwater Discharge, and Stream Restoration Programs. Cross connections, leaks, and other maintenance issues are discovered through the County's Dry Weather Monitoring and Storm Sewer Maintenance Programs. PWC continues to identify and report concerns to the PWCSA when sanitary sewer system maintenance and repairs are needed.	*Each annual report shall include the amount of linear feet of sanitary sewer inspected PWCSA during the reporting year.*	In FY26, Prince William Water (formerly PWCSA) inspected 740,682 linear feet of sanitary sewer.

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B.2.e.3.	*The permittee will continue to implement a program to reduce the discharge of floatables (e.g. litter and other human-generated solid refuse) in accordance with Part I.C.3.*	DPW, EMD, COD	Prince William County participates in the following programs to help reduce the discharge of floatables: • Adopt-A-Spot Program: litter cleanup and recycling program sponsored by the Virginia Dept. of Waste Management. • Adopt-A-Stream Program: stream cleanup program managed by the Prince William County Soil & Water Conservation District (SWCD). • Floatables Monitoring Program: program admisinistered by PWC SWCD, designed to assess refuse loading to 5 selected stream sites throughout the County. • Keep Prince William Beautiful Storm Drain Labeling Program: identify storm drains as draining into the Chesapeake Bay, as well as remind citizens not to dump items/fluids into them. • Public Works Litter Control Crew: team established by PWC Public Works to pick up highly traveled roadways, handle cleanups of illegal dumpsites, and haul material from community cleanup events. • Prince William County Public Works, Enviromental Management Divsion, manages a Bandalong Litter Trap in the Neabsco Creek.		
B.2.e.4.	*The permittee shall prohibit the dumping or disposal of used motor vehicle fluids, household hazardous wastes, sanitary sewage, grass clippings, leaf litter, and animal wastes into the MS4. The permittee shall ensure the implementation of programs to collect used motor vehicle fluids (such as oil and antifreeze) for recycling, reuse, or proper disposal and to collect household hazardous waste materials (including paint, solvents, pesticides, herbicides, and other hazardous materials) for recycling, reuse, or proper disposal. Such programs shall be readily available to all private residents and shall be publicized and promoted on a regular basis but not less than twice per year.*	DPW, EMD, COD	• Prince William County has prohibited the discharge of any non-stormwater element determined to be contributing significant amounts of pollutants, including the dumping or improper disposal of motor vehicle fluids, household hazardous wastes, sanitary sewage, grass clippings, leaf litter, and animal wastes. • Working with our partners, Prince William County Public Works will promote, publicize, and facilitate the proper management and disposal of used oil and household hazardous waste. Public Works has created and maintains a robust management program for the collection and disposal of household hazardous waste and collection and recycling of used oil.		More information on oil and hazardous waste disposal can be found in Appendix I.

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B.2.e.5.	*The permittee shall continue to implement a program to locate and eliminate illicit discharges and improper disposal into the MS4. This program shall include dry weather screening activities to locate portions of the MS4 with suspected illicit discharges and improper disposal, as described in Part I.B.2.l)(1) of this state permit.*	DPW, EMD, COD	Prince William County hosts several programs under its IDDE program dedicated to the detection, identification, and elimination of unauthorized discharges to its MS-4 system. These programs include the Dry Weathering Monitoring, General Discharge, Wet Weather Monitoring, Service Authority's Inflow and Infiltration Program, and Industrial and High Risk Monitoring Programs.		
B.2.e.6.	*The permittee shall require the elimination of illicit discharges and improper disposal practices within 30-days of discovery. Where elimination of an illicit discharge within 30-days is not possible, the permittee shall require an expeditious schedule for removal of the discharge. In the interim, the permittee shall require the operator of the illicit discharge to take all reasonable and prudent measures to minimize the discharge of pollutants to the MS4.*	DPW, EMD, COD	By issuance of a Notice of Violation, iilicit discharges are required to be eliminated within 30 days of discovery, unless removal is not possible within that timeframe. In these instances, reasonable and prudent measures to minimize discharge will be taken and an action plan for mitigation/removal will be required.	*Each annual report shall include a list of illicit discharges identified, the source, a description of follow-up activities and whether the illicit discharge has been eliminated.*	A summary of illicit discharge inspections and actions taken can be found in Appendix J.
	B.2.f. Spill Prevention and Response				
B.2.f.	*The permittee shall continue to implement a program that coordinates with the Fire Department and other permittee-operated departments to prevent, contain, and respond to spills that may discharge into the MS4. The spill response program may include a combination of spill response actions by the permittee (and/or another public or private entity), and legal requirements for private entities within the permittee's jurisdiction.*	DFR	The County has designated a full-time Hazardous Materials Officer. Prince William County participates in the Commonwealth Department of Emergency Management Services' regional Hazardous Materials response programs and maintains a National Incident Management System Type I HAZMAT Team for emergency response. The County's Fire and Rescue System responds to all complaints of hazardous spills and hazardous illicit discharge. If the complaints relate to sewage, the appropriate agency, such as, Prince William Water or Virginia American Water will be contacted. The complaints on the failing septic systems and drain fields are referred to the County's Health Department. The County staff makes every effort to direct complaints to the appropriate agency as expeditiously as possible.	*Each annual report shall include a list of spills, the source (identified to the best of the permittee's ability), and a description of follow-up activities taken.*	The Hazardous Spill Response Summary Report can be found in Appendix K.

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	B.2.g. Industrial & High Risk Runoff				
B.2.g.	*The permittee shall implement a program to identify and control pollutants in stormwater discharges to the MS4 from industrial and high risk runoff facilities (e.g., municipal landfills; other treatment, storage, or disposal facilities for municipal waste; hazardous waste treatment, storage, disposal and recovery facilities; facilities that are subject to EPCRA Title III, Section 313). Facilities with individual VPDES stormwater permits or coverage under the industrial stormwater general permit may be included in the program at the discretion of the permittee.*	DPW, EMD, COD	High Risk and Industrial VPDES permitted facilities that are found to be contributing significant pollutants to the storm sewer system will be referred to DEQ for compliance review.		
B.2.g.1.	*The permittee shall maintain, and update as necessary, a list of all known industrial and high-risk dischargers to the MS4.*	DPW, EMD, COD	In FY16, the County performed used GIS to analyze and generate a list of potential High Risk outfalls according to a probability of pollutant discharge. This probability takes in to account an assumed potential for discharge to occur, possible pollutant discharge effect according to the type of facility and its operations, and the potential for environmental damage according to the facilities proximity to environmentally sensitive areas. From this analysis, 518 outfalls were deemed as potentially high risk. In addition, any outfalls found to be contributing a significant source of pollutants during routine Dry Weather Monitoring inspections will be added to this list and updated annually.	*The annual report shall include a list of all known industrial and high risk dischargers including any non-VPDES regulated industrial and commercial stormwater dischargers determined by the permittee as contributing a significant pollutant load and that discharge to the MS4 system, a schedule of inspections and procedures for inspecting outfalls.*	A list of Industrial and High Risk Runoff Sites can be found in Appendix L.

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.g.2.	*The permittee shall maintain a list of any industrial and/or commercial stormwater dischargers not regulated under the Virginia State Water Control Law that it determines may be contributing a significant pollutant loading to the MS4. This list may be individual discharges or categories of discharges.* *(a) The list shall include, but shall not be limited to: major automotive facilities such as repair shops, body shops, auto detailers, tire repair shops and service stations.* *(b) Visual inspections of exposed areas and points of connections to the MS4 or outfalls at these facilities shall be conducted, in accordance with the schedule outlined in the MS4 program Plan, to identify potential sources of pollutants that could enter the MS4 and surface waters.* *(c) The permittee shall require control measures as necessary and/or appropriate for stormwater discharges from these dischargers to the MS4.*	DPW, EMD, COD	As outfalls for facilities determined to have a high risk for pollutant discharge are inspected, those which do not fall under VPDES permitting requirements or Virginia State Water Control Law are included under the County's Non-VPDES High Risk Designation. Potential Non-VPDES High Risk facilities are identified, along with associated outfalls, through GIS desktop analysis. Using County land-use information, land-uses that are identified to have ahigh potential for the discharge of pollutants are isolated. As with VPDES permitted facilities, a buffer is placed around a high risk parcel and the containing outfalls are identified. These outfalls are considered to be potentially High Risk outfalls. During Dry Weather Monitoring activities, outfalls determined to potentially contribute a significant source of pollutants to the storm sewer system are identified and added to the list of high risk discharges.	*Each annual report shall include a report on implementation of the inspection schedule and include a list of the facilities and/or facility outfalls or points of connection to the permittee's MS4 inspected during the reporting period.*	A list of inspected outfalls is included in Appendix L and Appendix M.
B.2.g.3.	*The permitee may conduct monitoring, or may require the facility to conduct monitoring, of any stormwater discharges it believes may be a source of significant pollutant loadings to the MS4.*	DPW, EMD, COD	PWC receives Discharge Monitoring Reports (DMR's) from applicable (non-exempt) VPDES permitted facilities that discharge into the County's MS-4.		
B.2.g.4.	*The permittee shall coordinate with the Department to report any non-VPDES permitted industrial facility from which the permittee has evidence that a significant pollutant load is entering the MS4 system. Inspections of facilities for which the permittee has evidence of significant pollutant loading may be carried out in conjunction with other county programs.*	DPW, EMD, COD	Outfalls are monitored in accordance with the County's Dry Weather Monitoring Protocols. Facilities whose outfalls are found to discharge significant pollutant flows within 3 consecutive inspections are referred to DEQ for compliance review. Follow-up inspections are scheduled according to IDDE protocols. Outfalls of VPDES permitted facilities are inspected once a year, while High Risk outfalls are inspected once a permit cycle.		

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B.2.g.5.	*The permittee shall refer the following facilities to the Department of Environmental Quality, Northern Regional Office, for Department compliance review under the Virginia State Water Control Law any industrial or commercial facility, if the permittee becomes aware of a violation of any industrial stormwater management requirement contained in an individual or gerneral VPDES permit issued to the facility by the Department.*	DPW, EMD, COD	Prince William County will report these facilities to the DEQ for compliance review under the Virginia State Water Control Law.	*Each annual report shall include a list of referrals to the Department including a document detailing any coordination activites with the Department.*	During the reporting period, no facilities were deemed necessary to report to DEQ for compliance review.
	B.2.h. Stormwater Infrastructure Management				
B.2.h.	*The permittee shall continue to maintain and implement programs to maintain the permittee's stormwater infrastructure and to update the accuracy and inventory of the storm sewer system.*	DPW, EMD, COD	Prince William County conducts routine inspection of its storm drainage system, inspecting the entire system within the permit term. Storm sewer is inspected using visual inspection techniques, as well as using CCTV. The County continues to implement a program to inspect all new drainage systems (eligible for County maintenance) using video cameras, prior to accepting the systems into the County's maintenance program. Prince William County also maintains an inventory of all SWM/BMP facilities in the County.		As of June 30, 2026, there are 690.68 miles, or 3.65 million linear feet, of storm sewer system owned and/or operated within the County. During FY26, the County inspected 688 miles, or 3.63 million linear feet, of storm sewer system. A total of 102 facilities were added to the County's inventory during the reporting period. A list of new facilities is provided as Appendix N.

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.h.1.	*For stormwater management (SWM) facilities and infrastructure maintained by the permittee including residential properties where SWM facilities, BMP and Storm Drainage Systems qualify for permittee maintenance (excluding apartments and mobile home parks), the following conditions apply:* *(a) The permittee shall provide for adequate long-term operation and maintenance of its SWM facilities owned or operated by the permitee in accordance with written inspection and maintenance procedures included in the MS4 Program Plan.* *(b) The permittee shall inspect annually all SWM facilities owned or operated by the permittee. The permittee may choose to implement an alternative schedule to inspect these SWM facilities based on a risk assessment that includes facility type and expected maintenance needs provided that the alternative schedule is included in the MS4 Program Plan in accordance with plan modifications as listed in Part I.A.7.a) of this state permit.* *(c) The permittee shall conduct maintenance on SWM facilities owned or operated by the permittee as necessary to ensure the facilities function as designed.* *(d) The permittee shall continue its stormwater system inspection program and shall either (a) implement a department approved risk-based prioritization inspection program for the stormwater system within 12 months or (b) inspect not less than 15% of the MS4 annually and 80% of the system during the term of the permit. The permittee shall perform maintenance as necessary based on findings during the inspection. If for any reason an inspection cannot be conducted, the permittee shall document the reason in the annual report.* *(e) The permittee shall dispose of all wastes and wastewaters collected during stormwater system cleaning in accordance with local, state, and federal laws and regulations.* *(f) The permittee shall obtain any required state or federal permit necessary to complete maintenance activities.*	DPW, EMD, COD	Prince William County continues a program for the inspection and maintenance of SWM facilities maintained by the County. County-maintained facilities include those owned by HOA's and residential communities or by the County Board of Supervisors, and where basic maintenance responsibilities are performed by the owners. County-maintained SWM/BMP facilities are typically inspected under two scenarios: under the general inspection program which occurs once a year, or as requested by an impacted property-owner. Maintenance is prioritized by the severity of maintenance needs for the facility. Maintenance of publicly maintained SWM facilities is performed by the County's Construction and Operations Division, as necessary. All applicable permitting requirements will be met during maintenance activities.	•*The permittee shall submit with the initial annual report the written inspection and maintenance procedures.* •*Each annual report shall include a list of activities including inspections, maintenance, and repair of stormwater infrastructure operated by the permittee as required in Part I.B.2.hi)1) including the type and number of stormwater structures owned or operated by the permittee: the total linear feet of storm sewer system owner and/or operated by the permittee, and the linear feet of storm sewer system inspected.*	As of June 30, 2026, the County is responsible for the maintenance of approximately 1,099 facilities, including dry ponds, wet ponds, infiltration trenches, sand filters, bioretention and proprietary BMP facilities. A list of these facilities and their inspection date are included in Appendix O.

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.h.2.	*For SWM facilities not maintained by the permittee and that discharge into the MS4, the following conditions apply:*	DPW, EMD, COD	The county meets this requirement through implementation of the actions described below.		
B.2.h.2.a.	*The permittee shall continue to implement a program to ensure proper maintenance of each privately maintained SWM facility that discharges into the MS4 system. The program shall include the following elements:*	DPW, EMD, COD	The County has a program in place to inspect all privately-maintained facilities within the term of the permit and to pursue enforcement actions in instances where maintenance is needed. These facilities are comprised of dry ponds, wet ponds, constructed wetlands, bioretention facilities, proprietary stormwater inlet BMP facilities, underground storage facilities, and infiltration trenches.		
B.2.h.2.a.1.	*Beginning with the effective date of this state permit and in accordance with 9VAC25-870-112 B, maintenance agreements may be used but are not required for stormwater control measures that are designed to treat stormwater runoff solely from the individual residential lot on which they are located provided that the permittee has developed and implemented a strategy to address maintenance of such stormwater management controls. Should the permittee choose a strategy other than a maintenance agreement, such a strategy shall be provided in writing no later than 12 months after the effective date of this state permit and shall include an inspection schedule, homeowner outreach and education, or other methods targeted at promoting the long term maintenance of such facilities.*	DPW, EMD, COD	Before a privately maintained facility can be removed from bond, maintenance agreement must be recorded to ensure the proper upkeep of the facility. A majority of the privately maintained SWM facilities have duly recorded maintenance agreements that require the owner to perform the inspection and maintenance at a frequency identified in the agreement.		

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B.2.h.2.a.2.	*For SWM facilities that are privately maintained and for which maintenance agreements have been established between the permittee and the owner, the permittee shall inspect privately maintained SWM facilities no less than once per 5 years and conduct follow-up activities to ensure the required maintenance has been completed. Inspections may be conducted by the permittee or their designee as defined in 9 VAC 25-870-114.*	DPW, EMD, COD	Facilities in compliance with maintenance requirements are scheduled for re-inspection during the following permit cycle. For facilities with deficiencies, the owner is provided with a detailed report outlining those deficiencies. If the deficiencies are not corrected within the time given, a second notice is given, and additional time is provided for repairs. If the facility is still not repaired, Prince William County Construction Services conducts maintenance on the facility and the facility owner is required to reimburse the County for expenses. Follow-up inspections are performed to ensure maintenance requirements are followed. Facility owners are urged to self-report maintenance activities to the County in the form of a detailed engineering report.	•*Each annual report shall include a list of activities including inspections performed and notifications of needed maintenance and repair of stormwater facilities not operated by the permittee as required by Part I.B.2.h)2).* •*Each annual report shall provide a summary of actions taken by the permittee to address failure of privately maintained SWM facilities owners to abide by maintenance agreements.*	As of June 30, 2026, there are 1,208 privately maintained facilities within the County. A table describing inspection, maintenance, and enforcement of privately maintained facilities for the reporting period can be found in Appendix P.
B.2.h.2.a.3.	*The permittee shall continue to implement a program ensuring the inspection and maintenance of SWM facilities that are privately maintained and for which maintenance agreements have not been established between the permittee and the owner.*	DPW, EMD, COD	For those facilities that do not have Maintenance Agreements, our County Attorney has determined that the maintenance note on the plan is still enforceable.		
B.2.h.3.	*The permittee shall update and maintain an accurate MS4 map and information table as follows:*	DPW, EMD, COD	• Prince William County has identified all outfalls owned or operated by Prince William County that discharge to surface waters (i.e. MS4 outfalls). • Each MS4 outfall has an individual identification number, the local watershed, HUC and receiving water in which it is located are identified, and its latitude and longitude are provided in in decimal degrees. • The county has delineated the drainage area to each of its MS4 outfalls (i.e. the MS4 service area). • The county updates the mapping layers to incorporate new outfalls once as-built plans are provided by the party responsible for constructing the new outfall.		

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B.2.h.3.a.	*An updated map of the MS4 owned or operated by the permittee, no later than 12 months after the permit effective date that includes, at a minimum:*	DPW, EMD, COD		*The MS4 service area map including outfalls and information included in Part I.B.2.h)3) shall be submitted no later than 12 months after the effective date of this state permit. The information shall be submitted as an electronic file described in Part I.B.2.h)3)(e).*	Prince William County submitted these items to DEQ on January 10th, 2025.
B.2.h.3.a.1-6.	*(1) MS4 outfalls discharging to surface waters, except as follows:* *(i) In cases where the outfall is located outside of the MS4 permittee's legal responsibility, the permittee may elect to map the known points of interconnection upstream and downstream of the actual outfall; and* *(ii) In cases where the MS4 outfall discharges to receiving water channelized underground, the permittee may elect to map the point downstream at which the receiving water emerges above ground as an outfall discharge location. If there are mutliple outfalls discharging to an underground channelized receiving water, the map shall identify that the outfall discharge location represents more than one outfall. This is an option a permittee may choose to use recognizing the difficulties in accessing outfalls to underground channelized stream conveyances for purposes of mapping, screening or monitoring.* *(2) A unique identifier for each mapped item required in part I B.2.h)3);* *(3) The name and location of receiving waters to which the MS4 outfall or point of interconnection discharges;* *(4) The MS4 regulated service area;* *(5) Pipe and open channel conveyances that are upstream of MS4 outfalls; and* *(6) Stormwater management facilities owned or operated by the permittee.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.h.3.b.	*The permittee shall update its MS4 service area map as necessary if any changes to direct drainage to VDOT's MS4 service area occur. The permittee shall maintain a map to assist with coordination of VDOT MS4 coverage areas for roadways and streets. Where practical, the permittee map shall clearly delineate gap areas that drain to VDOT MS4 areas not included as part of the Prince William MS4 service area. This information shall be maintained and kept up to date and made available when requested.*	DPW, EMD, COD			
B.2.h.3.c.	*The permittee shall maintain an outfall information table associated with the MS4 map that includes the following information for each outfall or point of discharge for those cases in which the permittee elects to map the known point of discharge in accordance with Part I.B.2.h)3)(a)(1). The outfall information table may be maintained as a shapefile attribute table. The outfall information table shall include the following, at a minimum:* *(1) A unique identifier as specified on the MS4 map;* *(2) The latitude and longitude of the outfall, or point of discharge;* *(3) The 6th Order Hydrologic Unit Code of the receiving water;* *(4) An indication as to whether the receiving water is listed as impaired in the Virginia 2022 305(b)/303(d) Water Quality Assessment Integrated Report; and* *(5) The name of any EPA-approved TMDLs for which the permittee is assigned a wasteload allocation.* *If available, the outfall table should include the following:* *(1) The estimated regulated acreage draining to the outfall, or point of discharge: and* *(2) The name of the receiving water.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.h.3.d.	*No later than 12 months after permit issuance, the permittee shall submit to DEQ, a format file geodatabase or two shapefiles that contain at a minimum:* *(1) A point feature class or shapefile for outfalls with an attribute table containing outfall data elements required in accordance with Part I.B.2.h)3)(c); and* *(2) A polygon feature class or shapefile for MS4 service area as required in accordance with Part I.B.2.h)3)(a)(4) with an attribute table containing the following information:* *Permit No. VA0088595* *(i) MS4 operator name;* *(ii) MS4 permit number, and* *(iii) MS4 service area pervious, impervious and total acreage rounded to the nearest hundredth*	DPW, EMD, COD			
B.2.h.3.e.	*All file geodatabase feature classes or shapefiles shall meet the following data format standards:* *(1) Point data collected in NAD83 or WGS84 decimal degrees global positional system coordinates;* *(2) Data projected in Virginia Lambert Conformal Conic format;* *(3) Outfall location accuracy shall be represented in decimal degrees rounded to at least the fifth decimal place for latitude and longitude to ensure point location accuracy (e.g., 37.61741, -78.15279); and* *(4) Metadata shall provide a description of each feature class or shapefile dataset, units of measure as applicable, coordinate system, and projection.*	DPW, EMD, COD			
B.2.h.3.f.	*No later than October 1 of each year, the permittee shall update the MS4 map and outfall information table to include any new outfalls constructed or TMDLs approved or both during the immediate preceding reporting period.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.h.3.g.	*The permittee shall provide written notification to any downstream adjacent MS4 of any new physical interconnection from the permittee-owned system to another regulated MS4 established or discovered after the effective date of this permit.*	DPW, EMD, COD			
	B.2.i. County Facilities				
B.2.i.	*Facilities owned or operated by the permittee shall be operated and maintained as follows:*	DFFM, DPRT, DPW, SWD	The county meets this requirement through implementation of the actions described below.		
B.2.i.1.	*The permittee shall develop, implement, and maintain written good housekeeping procedures designed to:* *(a) Prevent illicit discharges;* *(b) Ensure permittee staff or contractors properly dispose of waste materials to minimize floatables and landscape wastes entering the MS4;* *(c) Prevent the discharge of wastewater or washwater or both into the MS4 without authorization under a separate VPDES permit: and* *(d) Preventing pollutant discharge into the MS4 from leaking permittee-owned or operated vehicles and equipment. Leaked fluids shall be cleaned up and disposed of properly, as soon as possible but no later than 24 hours after discovery.*	DFFM, DPRT	• Prince William County promotes good housekeeping practices throughout all its municipal facilities through its Environmental Management System (EMS) program and other methods. The EMS program and the County's Good Housekeeping SOP promote consistency and accountability in the method for addressing environmental concerns through the allocation of resources, assignment of responsibility and ongoing evaluation of practices, procedures, and processes. This program emphasizes objectives such as the identification and prevention of spills, hazardous material storage and removal, storage tank inspection and maintenance, waste disposal and recycling, proper equipment and material storage, and many other environmental good housekeeping practices. • PWC Parks and Rec facilities are inspected biennially, to ensure good housekeeping practices are being followed. This includes properly managing yard waste and grass clippings. • Police and fire vehicles are required to be washed in an environmentally safe manner, allowing no wash water to enter storm drain systems. Most vehicles are washed in commercial car washing facilities. • PWC Fleet Management has worked closely with Risk Management and Environnmental Management to set up a system to prevent the leaking or spilling of vehicles on site waiting for maintenance.		

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.i.2.	*The permittee shall maintain markings on all stormwater inlets located on high priority municipal facilities, as defined at Part I.F, and on permittee properties with greater than 2-acres of impervious surface.*				
B.2.i.3.	*High Priority Municipal Facilities :*				
B.2.i.3.a.	*The permittee shall maintain a list of all high priority municipal facilities that do not require a separate VPDES industrial stormwater permit as well as identify which of the high priority municipal facilities have a high potential of discharging pollutants. Facilities with a high potential for discharging pollutants are those facilities where any of the following materials or activities occur and are expected to have exposure to stormwater resulting from rain, snow, snowmelt, or runoff;* *(1) Areas where residuals from using, storing or cleaning machinery or equipment remain and are exposed to stormwater;* *(2) Materials or residuals on the ground or in stormwater inlets from spills or leaks;* *(3) Material handling equipment (except adequately maintained vehicles);* *(4) Materials or products that would be expected to be mobilized in stormwater runoff during loading/unloading or transporting activities (e.g., rock, salt, fill dirt);* *(5) Materials or products stored outdoors (except final products intended for outside use where exposure to stormwater does not result in the discharge of pollutants);* *(6) Materials or products that would be expected to be mobilized in stormwater runoff contained in*	DFFM, DPRT	The County operates several municipal facilities. Some, like the PWC landfill facility, are covered under their own VPDES permit for stormwater discharges. During FY17, the County assessed all municipal facilities within its MS4 service area and evaluated their need for a SWPPP. High risk facilities included composting facilities, equipment storage and maintenance facilities, materials storage yards, pesticide storage facilities, public works yards, recycling facilities, salt storage facilities, solid waste handling and transfer facilities, and vehicle storage and maintenance yards.	*The initial annual report shall include a list of all high priority municipal facilities and those with a high potential to discharge pollutants as identified in Part I.B.2.i)3)(a).*	

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
	be mobilized in stormwater runoff contained in open, deteriorated or leaking storage drums, barrels, tanks, and similar containers; *(7) Waste material except waste in covered, non-leaking containers (e.g., dumpsters);* *(8) Application or disposal of process wastewater (unless otherwise permitted); or* *(9) Particulate matter or visible deposits of residuals from roof stacks, vents or both not otherwise regulated (i.e., under an air quality control permit) and evident in the stormwater runoff.*				
B.2.i.3.b.	*The permittee shall develop and/or update and implement individual stormwater pollution prevention plans for each high priority municipal facility identified under Part I.B.2.i)2)(a) no later than 36-months after the effective date of this state permit. Stormwater pollution prevention plans (SWPPP) shall include:* *(1) A site description that includes a site map identifying all outfalls, direction of flows, existing source controls, and receiving water bodies;* *(2) A discussion and checklist of potential pollutants and pollutant sources;* *(3) A discussion of all potential non-stormwater discharges;* *(4) A maintenance schedule for all existing source controls;* *(5) All policies and procedures implemented at the facility to ensure source reduction;* *(6) An inspection schedule and checklist to ensure that all source reductions are continually implemented and all source controls are appropriately maintained. The date of each inspection and associated findings and follow-up shall be logged in each SWPPP;* *(7) Appropriate training as required in Part I.B.2.k);* *(8) Procedures to conduct an annual comprehensive site compliance evaluation;* *(9) Procedures to conduct dry weather screening; and* *(10) All modifications made as the result of any release or spill.*	DFFM, DPRT	SWPPPs will include a site description that includes site map showing all outfalls, direction of flows, existing source controls, and receiving water bodies; a checklist of potential pollutants and pollutant sources; all potential non-stormwater discharges; a maintenance schedule for all source controls; policies and procedures implemented at the facility for source reduction; an inspection schedule to ensure source reduction controls are implemented and maintained properly; training schedules for facility employees; procedures for annual evaluations of the facility; dry weather monitoring procedures; and all modifications made as a result of a spill or release of pollutant.		

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.i.3.c.	*A copy of each SWPPP shall be kept at each high priority municipal facility and be kept updated.*	DFFM, DPRT	A copy of the high priority municipal facility SWPPP will be kept at each facility requiring one. Where the SWPPP cannot be physically kept on site, a copy of the high priority municipal facility SWPPP will be kept on file by the department that manages the site.		
	B.2.j. Public Education/Participation				
B.2.j.	*The permittee shall continue to implement a public education program with the goal of increasing the stormwater knowledge of target audiences and changing behavior to result in pollutant reductions. The permittee may fulfill all or part of the requirements of this state permit through regional outreach programs involving two or more MS4 localities.*	DPW, EMD, COD	Prince William County strives to share relevant and useful information with our community to help protect our local waterways and natural environment. We undertake several projects and special events to provide citizens with the opportunity to help in these goals. Public Works also partners with residents, businesses, other government agencies and organizations to advance our goals to protect and preserve natural resources.		
B.2.j.1.	*The permittee shall identify, schedule, implement, evaluate, and modify, as necessary, public outreach activities designed to meet the following public education and outreach goals:* *(a) Promote, publicize, and facilitate public reporting of the presence of illicit discharges or improper disposal of materials into the MS4;* *(b) Continue to promote individual and group involvement in local water quality improvement initiatives including the promotion of local restoration and clean-up projects, programs, groups, meetings and other opportunities for public involvement;* *(c) Continue outreach programs with public and private golf courses located within the county that discharge to the permittee's MS4 that would encourage implementation of integrated management practice (IMP) plans and techniques to reduce runoff of fertilizer and pesticides;* *(d) Promote, publicize, and facilitate the proper management and disposal of used oil and household hazardous wastes;* *(e) Promote and publicize the proper disposal of pet waste and household yard waste;* *(f) Promote and publicize the use of the permittee's litter prevention program;* *(g) Promote and publicize methods for residential car washing that minimize water quality impacts;*	DPRT, DPW, EMD, COD, SWD	• Prince William County has many community partners that conduct outreach events and activities all year round. These partners include Keep Prince William Beautiful, Prince William Soil and Water Conservation District, Virginia Cooperative Extension, and Northern Virginia Clean Water Partners. These organizations receive funding from Prince William County to implement outreach activities identified by the County. The County establishes the outreach objectives to support compliance with the public outreach and education requirements of the MS4 permit, while the funded organizations assist with delivering these activities to the community. • The public education and outreach program is reviewed on an annual basis to determine the effectiveness of the program and to identify future efforts to improve the program. Due to the nature of some of the education and outreach elements, a determination of effectiveness is more qualitative in nature and based on the number of individuals reached through the activities, as well as feedback from the staff involved with those activities. Each activity is reviewed and discussed, and recommendations for future improvements are identified in the annual report. For other program elements, included in the annual report, effectiveness is based on the results of the activity	•*Each annual report shall include a list of permittee public outreach and education activities and the estimated number of individuals reached through the activities. An evaluation of program effectiveness, as outlined in the MS4 Program Plan with recommendations for future changes shall also be included.* •*Each annual report shall provide a summary of voluntary retrofits completed on private property used to demonstrate pollutant reduction requirements. Note that any voluntary project for which the permittee seeks to use for pollutant reduction requirements must be tracked and reported.* •*Each annual report shall provide a summary of*	•Included as Appendix Q are our community partners' annual reports detailing the public outreach and education activities that were completed on behalf and in collaboration with the County. •Public Outreach Summary can be found in Appendix R, which details public outreach and education activities completed by the County during the reporting year. •During the FY26 reporting period, Prince William County evaluated the effectiveness of its public outreach and involvement program based on the implementation of planned outreach activities, engagement with target audiences, and participation in educational and volunteer opportunities. The County determined that the program continued to effectively meet its objectives by promoting stormwater pollution prevention, illicit discharge reporting, good housekeeping practices, and public participation in local water quality initiatives. Through community events, educational materials, volunteer activities, training, and partnerships, the County engaged residents, businesses, schools, County employees, and community organizations. The County will continue to evaluate and refine its outreach strategies annually to support MS4 compliance and ongoing water quality improvement.

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
	car washing that minimize water quality impacts; *(h) Promote and publicize the proper use, application, and disposal of pesticides, herbicides, and fertilizers by public, commercial, and private applicators and distributors;* *(i) Encourage private property owners to implement voluntary stormwater management techniquest and/or retrofits; and* *(j) Target strategies towards local groups of commercial, industrial, and institutional entities likely to have significant stormwater impacts.*		effectiveness is based on the results of the activity such as pounds of trash removed or percent of participants adopting recommended practices for example.	*provide a summary of voluntary stormwater management techniques encouraged on private property.*	
B.2.j.2.	*The permittee shall post a copy of this state permit on its web page no later than 30-days after the effective date of this state permit and continue to retain a copy of the permit online for the duration of this state permit.*	DPW, EMD, COD	• The county's MS4 permit (VA0088595), effective January 12, 2024 and was posted to the county website. • The permit is available at: https://www.pwcva.gov/department/environmental-services/community-ms-4-program		
B.2.j.3.	*The permittee shall post copies of each annual report on its website no later than 30 days after the report submittal to the Department and continue to retain copies of the annual reports online for the duration of this state permit.*	DPW, EMD, COD	• Annual reports are posted to the county website within 30 days of submittal to DEQ. • Annual reports are available at: https://www.pwcva.gov/department/environmental-services/community-ms-4-program		
B.2.j.4.	*The permittee shall post the most current MS4 Program Plan on its website no later than 30 days after the effective date of this permit and maintain a current copy on the website. If the MS4 Program Plan is modified or revised, the updated plan shall be posted within 30 days of the revision(s). Copies of the most current MS4 Program Plan shall be made available for public review upon request of interested parties in compliance with all applicable open records requirements.*	DPW, EMD, COD	• The county's most current MS4 Program Plan was posted to the county website. • Updates to the MS4 Program Plan will be posted to the county's website within 30 days of submittal to DEQ. • The MS4 Program Plan is available at: https://www.pwcva.gov/department/environmental-services/community-ms-4-program		
	B.2.k. Training				

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.k.	*The permittee shall conduct stormwater training for permittee employees. The training requirement may be fulfilled all or in part through regional training programs involving two or more MS4 localities; provided, however, that the permittee shall remain individually liable for its failure to comply with the training requirements in this state permit. The permittee shall determine the appropriate employees to receive the following types of training based on the specific topic for which training is to be provided:*	DPW, EMD, COD	The county meets this requirement through implementation of the actions described below.		
B.2.k.1.	*The permittee shall provide biennial training to appropriate field personnel in the recognition and reporting of illicit discharges.*	DPW, EMD, COD	Prince William County Staff are trained in the recognition and reporting of Illicit Discharges as well as implementation of good housekeeping practices. Currently, appropriate staff are trained in basic good housekeeping, spill prevention, and illicit discharge prevention practices through EMS training. This training is conducted biennially and is required for all staff including full-time Parks and Rec staff.	*Each annual report shall include a list of training events, the date and the estimated number of individuals attending each event.*	A list of training courses offered in FY26 and the number of participants can be found in appendix S.
B.2.k.2.	*The permittee shall provide biennial training to appropriate employees in good housekeeping and pollution prevention practices that are to be employed during road, street, and parking lot maintenance.*	DFFM, DPRT, DPW, SWD		See MS4 Action ID B.2.k.1.	
B.2.k.3.	*Within 36 months of the effective date of the permit, the permittee shall incorporate good housekeeping training strategies for each of the following activities:* *a. Discharging water pumped from construction and maintenance activities;* *b. Bulk storage of soil, compost, mulch and landscaping waste stockpiles; and* *c. Preventing pollutant discharge into the MS4 from leaking permittee-owned or operated vehicles and equipment. Leaked fluids shall be cleaned up and disposed of properly, as soon as possible but no later than 24 hours after discovery.*	DFFM, DPRT, DPW, SWD			
B.2.k.4.	*The permittee shall provide biennial training to appropriate employees in good housekeeping and pollution prevention practices that are to be employed in and around permittee maintenance and public works facilities.*	DFFM, DPW, SWD		See MS4 Action ID B.2.k.1.	

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.k.5.	*The permittee shall ensure that employees, and require that contractors, who apply pesticides and herbicides are properly trained or certified per the Virginia Pesticide Control Act (§3.2-3900 et seq. of the Code of Virginia). The requirements of the Virginia Pesticide Control Act are established by the Virginia Pesticide Control Board.*	DFFM, DPRT	Appropriate County staff and contractors receive appropriate training in pesticide and herbicide application. Appropriate staff are required to stay current in applicable training and certifications.		
B.2.k.6.	*The permittee shall have a program to ensure that County plan reviewers, inspectors, program administrators and construction site operators (e.g. responsible land disturber) are trained and obtain the appropriate certifications to the extent required under the Virginia Erosion and Sediment Control Law and attendant regulations.*	DPW, EMD, COD	Engineering staff who review E&S, SWM and VSMP plans have certifications. Site inspectors and stormwater management facility inspectors have erosion and sediment control inspector and stormwater management inspector certifications.		For a list of inspector and plan reviewer certifications, see appendix T.
B.2.k.7.	*The permittee shall have a program to ensure that the applicable County employees obtain the appropriate certifications as required under the Virginia Erosion and Sediment Control Law and its attendant regulations to implement the modified stormwater management design criteria.*	DPW, EMD, COD	Appropriate employees have been certified as program administrators, inspectors, plan reviewers or combined administrators as required under the Virginia Stormwater Management Act and its attendant regulations.		For a list of staff certifications, see appendix T.
B.2.k.8.	*The permittee shall provide biennial training to applicable employees in good housekeeping and pollution prevention practices that are to be employed in and around county recreation facilities.*	DPRT	Applicable employees who conduct maintenance, repair, and custodial work at county recreational facilities receive biennial training.	See MS4 Action ID B.2.k.1.	
B.2.k.9.	*The appropriate emergency response employees shall have training in spill response. A summary of the training and/or certification program provided to emergency response employees shall be included in the first annual report.*	DFR	All uniform personnel are trained to the hazmat first responder operations level. This training teaches spill control as a defensive manner. This training is regulated by 29 CFR 1910.120(q) and NFPA 472. Staff are required to be current in this training, including annual refresher training. During the reporting period, all required personnel were current in Emergency Spill Response training.	*The initial report shall include documentation of employee emergency spill response training and/or certification.*	
B.2.k.10.	*Documentation shall be kept of all training events including the training date, number of employees attending the training, and the objective of the training event for a period of three years after each training event. Additionally, all events shall be listed in the annual report for the year in which the training event occurred.*	DF, RMD	Training documentation is kept on file by the appropriate office. A list of training events will be provided in the MS4 Annual Reports.	See MS4 Action ID B.2.k.1. and B.2.k.8.	

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
	B.2.l. Water Quality Screening Programs				
B.2.l.	*The following screening programs shall be implemented in addition to the monitoring required by Part I.C:*				
B.2.l.1.	*Dry Weather Screening Program: The permittee shall continue ongoing efforts to detect the presence of illicit connections and unauthorized discharges to the permittee's MS4.*	DPW, EMD, COD	The county meets this requirement through implementation of the actions described below.		
B.2.l.1.a.	*The permittee shall continue to implement a program of dry weather screening in areas of concern as identified by the permittee including but not limited to: commercial car washes, car dealerships, pet kennels, restaurants, areas with a history of complaints, and areas upstream of sensitive ecosystems. The permittee shall screen at a minimum, 25% of the outfalls discharging to the County's MS4 within the permit cycle.*	DPW, EMD, COD		*Each annual report shall include a list of locations upon which dry weather screening was conducted, the results and any follow-up actions including maintenance and/or repair of infrastructure or outfalls performed as a result of the dry weather screening.*	The permit requires the County to inspect 25% of all outfalls discharging to the County's MS4 during the five-year permit cycle, equivalent to 5% of the outfalls each year of the permit cycle. The County exceeded this annual inspection requirement during the FY26 reporting year. The Dry Weather Screening Summary can be found in Appendix M.
B.2.l.1.b.	*Criteria for selection of outfalls to be screened as required by Part I.B.2.l)1)(a) above shall include but is not limited to the following:* *(1) List of sites requiring further investigation, as previously identified;* *(2) Age and density of development with the likelihood of illicit connections such as older residential, commercial and industrial areas;* *(3) Outfalls representing the general land uses of the County;* *(4) Poorly maintained gas stations, service stations, and shopping centers;* *(5) Presence of environmentally sensitive features downstream; and* *(6) History of complaints received on illicit discharges.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.l.1.c.	*The permittee may adopt a risk-based approach to dry weather screening identifying observation points based upon illicit discharge risks upstream of an outfall. Observation points may include points of interconnection, manholes, points of discharge, conveyances, or inlets suspected to have a high likelihood of receiving illicit discharges:*	DPW, EMD, COD	Prince William County conducts routine inspection of its storm drainage system, inspecting the entire system within the permit term. Storm sewer is inspected using visual inspection techniques, as well as using CCTV. The County continues to implement a program to inspect all new drainage systems (eligible for County maintenance) using video cameras, prior to accepting the systems into the County's maintenance program.		
B.2.l.1.d.	*Each observation point screened may be counted as one outfall screening activity equivalent and counted towards the requirements of Part I.B.2.l)1)(a), however, at least 50% of the minimum annual screening events must include outfall screening;*	DPW, EMD, COD			
B.2.l.1.e.	*Illicit discharges reported by the public and subsequent investigations may not be counted as screening events; however, once the resolution of the investigation and the date the investigation was closed has been documented, an observation point may be established for future screening events; and*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.l.1.f.	*The permittee's dry weather screening program shall use a checklist or mechanism to track the following information for dry weather screening events:* *(1) The unique outfall identifier for the outfall or observation point;* *(2) Indication a minimum of 72 hours has passed since the last precipitation event;* *(3) Site descriptions (e.g., conveyance type and dominant watershed land uses);* *(4) Observed indicators of possible illicit discharge events such as, floatables, deposits, stains, and vegetative conditions (e.g., dying or dead vegetation, excessive vegetative growth, etc.);* *(5) Whether or not a discharge was observed;* *(6) If a discharge was observed, the visual characteristics of the discharge (e.g., odor, color, clarity) and the physical condition of the outfall; and* *(7) For observation points, the location, downstream outfall unique identifier, and risk factors or rationale for establishing the observation point.*	DPW, EMD, COD			
B.2.l.2.	*Wet Weather Screening Program: In addition to the monitoring required in Part I.C., the permitteeshall continue to investigate, and address areas within their jurisdiction that are suspected to becontributing excessive levels of pollutants to the MS4. The permittee shall maintain writtenprocedures for a wet weather screening program which shall include standard operating procedure to be used for initial screening and follow-up purposes. The written procedures shall be incorporated as part of the MS4 Program Plan.*	DPW, EMD, COD	Prince William County's Wet Weather Screening Program began at the end of FY16, with first the sample occurring in September of 2017.	Each annual report shall include a list of locations upon which wet weather screening was conducted, the results, weather conditions at the time sample was collected to include date and approximate time of most recent storm event preceding sample collection, long term trends analyses, and any follow-up actions including maintenance and/or repair of infrastructure or outfalls performed as a result of the wet weather screening.	Two sites were selected for sampling and sampling occurs during qualifying storm events. The quarterly Wet Weather Monitoring reports are included as Appendix U.
	B.2.m. Infrastructure Coordination				

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.m.	*The permittee shall coordinate with the Virginia Department of Transportation (VDOT) regarding issues of MS4 physical-interconnectivity as described below:*	DPW, EMD, COD	The county meets this requirement through implementation of the actions described below.		
B.2.m.1.	*Annual Coordination Meeting – The permittee shall meet annually with VDOT for purposes of overall coordination on priority issues for the permittee's MS4 program plan (including operations and maintenance elements) and TMDL action planning relevant to the interconnectivity of the MS4s.*	DPW, EMD, COD	Prince William County will meet annually with VDOT as required.		A list of the meeting participants and meeting summary is included as Appendix V.
B.2.m.2.	*Mapping – The permittee shall inform VDOT of the status of its mapping program, identifying any uncertainty regarding ownership or actual location of MS4 components associated with the physically-interconnected MS4s, and working to resolve such uncertainty. The permittee shall coordinate with VDOT to identify any areas within the permittee's municipal boundaries that drain to the VDOT MS4.*	DPW, EMD, COD	• At the annual meeting (MS4 Action ID B.2.m.1), VDOT will be informed of the status of the county's mapping program. • The county will work with VDOT to resolve ownership and location uncertainties.		
B.2.m.3.	*Chesapeake Bay TMDL Action Plans – The permittee shall inform VDOT of the means, methods, and schedule by which the permittee will implement the reductions required by the Chesapeake Bay TMDL Special Condition (Part I.D.1) when those means and methods may impact the physically-interconnected MS4s. The parties are encouraged to cooperate with one another where the siting or design of best management practices (BMPs) may be accelerated or otherwise improved by mutual cooperation.* *The permittee shall coordinate with VDOT to identify any areas within the permittee's municipal boundaries that drain to the VDOT MS4 and are unaccounted for in the Chesapeake Bay TMDL Action Plan developed by VDOT or the permittee. The unaccounted areas shall be quantified (acres) in the Chesapeake Bay TMDL Action Plan submitted by the permittee.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.m.4.	*Other TMDL Action Plans – The permittee shall inform VDOT of TMDL Action Plans and major milestones implemented for other (i.e., non-Chesapeake Bay) TMDLs when those plans may impact the physically-interconnected MS4s. The parties are encouraged to cooperate with one another where the siting or design of BMPs may be accelerated or improved by mutual cooperation.*	DPW, EMD, COD			
B.2.m.5.	*Credit for TMDL Implementation – Permit specific BMP retrofit requirements shall not be doublecounted in the calculation of load reductions. If the permittee undertakes the project, the permittee shall be entitled to full credit for the project, but may share credit with VDOT on mutually agreeable terms, which shall be in writing.*	DPW, EMD, COD			
B.2.m.6.	*Illicit Discharge Detection & Elimination – The permittee shall continue to be responsible for implementing a program for illicit discharge detection and elimination, including dry weather field screening, for the permittee's portion of the physically-interconnected MS4. As part of the annual coordination meeting, described in item (1) above, the permittee shall coordinate with VDOT on the identification of high risk industrial facilities. The permittee shall establish procedures for notifying VDOT when an illicit discharge is identified in the VDOT MS4.*	DPW, EMD, COD			
B.2.m.7.	*Water Quality Monitoring – The permittee shall conduct water quality monitoring as required by Part I.B.2.l) and Part I.C of this state permit. The permittee shall make available to VDOT all monitoring data collected from areas where the physically-interconnected MS4 discharges to the VDOT MS4 or received flow from the VDOT MS4. The permittee and VDOT are encouraged to cooperate with one another to establish a joint monitoring network.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
B.2.m.8.	*Annual Reports – As part of its Annual Report, the permittee shall document coordination efforts with VDOT that occurred during the reporting year pursuant to requirements (1) through (7) above.*	DPW, EMD, COD			
	C. MONITORING REQUIREMENTS				
	C.1. Biological Stream Monitoring				
C.1.	*The permittee shall continue to implement a biological stream monitoring program to evaluate the condition of select stream sites within Prince William County as follows:*	DPW, EMD, COD	The county meets this requirement through implementation of the actions described below.		
C.1.a.	Five (5) stream sites within the county shall be selected for monitoring during the term of this permit	DPW, EMD, COD		*The initial annual report shall include the list of sites to be monitored during the term of the state permit and monitoring protocols.*	Sample collection occurred at five locations in Prince William County: Cow Branch, Dawkins Branch, Little Bull Run, Neabsco Creek, and Purcell Branch.
C.1.b.	*Monitoring shall be conducted twice per year with one sample collected between July 1st and December 31st and one sample collected between January 1st and June 30th each year at each selected stream site.*	DPW, EMD, COD		*Each annual report shall include a summary of the monitoring results and analyses and an interpretation of that data with respect to long-term patterns/trends*	Prince William County continued its Biological Monitoring Program in FY26 with its monitoring taking place in the Fall of 2025 and Spring of 2026. A copy of the Biological Monitoring Report is included as Appendix W.
C.1.c.	*The permittee shall use a biological stream monitoring approach based on the "USEPA's Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers" and shall include an assessment of the benthic macroinvertebrate community and habitat assessment.*	DPW, EMD, COD	Benthic sampling was conducted in accordance with the Sampling Plan.		
	C.2. In-Stream Monitoring				
C.2..	*The permittee shall continue to implement an in-stream monitoring program to evaluate the condition of select streams within Prince William County as follows:*	DPW, EMD, COD	The county meets this requirement through implementation of the actions described below.		

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
C.2.a.	*Five (5) stream sites within the county shall be selected for monitoring during the term of this permit.*	DPW, EMD, COD		*The initial annual report shall include the list of sites to be monitored during the term of the state permit and monitoring protocols.*	There are five stream monitoring stations for this reporting period: Cow Branch, Dawkins Branch, Little Bull Run, Neabsco Creek, and Purcell Branch.
C.2.b.	*Monitoring shall be conducted once per two months between January 1 st and December 31st at each monitoring location*	DPW, EMD, COD	The county will conduct monitoring once per two months between January 1st and December 31st at each monitoring location.	*Each annual report shall include a summary of the monitoring results and analyses and an interpretation of that data with respect to long-term patterns/trends.*	Refer to Appendix X for the data summary for the in-stream monitoring.
C.2.c.	*Monitoring shall be performed for the following parameters:* *1) pH* *2) Dissolved Oxygen* *3) Temperature* *4) Total Suspended Solids* *5) Ammonia as Nitrogen* *6) Nitrate plus Nitrite Nitrogen* *7) Total Kjeldahl Nitrogen* *8) Total Nitrogen (calculated)* *9) Dissolved Phosphorus* *10) Total Phosphorus* *11) Escherichia Coli*	DPW, EMD, COD			
C.2.d.	*Monitoring for the parameters listed in Part I.C.2.c) shall be in accordance with Part III.A. of this state permit.*	DPW, EMD, COD			
C.2.e.	*The permittee may replace a sampling location with a new proposed location after 15 samples are collected and analyzed. Written notification of the monitoring plan revisions shall be given to the Department in writing and shall include a statistical analysis of the monitoring results, conclusions regarding the data, the proposed new monitoring location, and the reasoning for site location choice.*	DPW, EMD, COD			There were no changes to the sampling locations during the FY26 reporting period.

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
	C.3. Floatables Solids Monitoring				
C.3.	*The permittee shall maintain a floatables monitoring program. The intent of the monitoring program is to determine the loading of floatables from the MS4 to streams within Prince William County. The permittee will implement the floatables monitoring program as follows:*	DPW, EMD, COD	The county meets this requirement through implementation of the actions described below.		
C.3.a.	*Monitoring shall be conducted at five (5) monitoring sites located at MS4 outfalls and/or streams receiving discharges from the MS4.*	DPW, EMD, COD	Monitoring occurred quarterly at five locations.		
C.3.b.	*Monitoring shall be conducted once per quarter.*	DPW, EMD, COD	Monitoring occurred quarterly at five locations.		
C.3.c.	*The monitoring program shall include the count of floatables visually observed and length or area of sites assessed.*	DPW, EMD, COD		*Each annual report shall include a list of sites monitored, a summary of the monitoring protocols used, and a summary of the monitoring results and analyses.*	Please refer to Appendix Y for the Floatables Monitoring Summary.
	D. TMDL ACTION PLAN AND IMPLEMENTATION				
	D.1. Chesapeake Bay Special Condition				
D.1.	*The Commonwealth in its Phase I, Phase II, and Phase III Chesapeake Bay TMDL Watershed Implementation Plans (WIP) committed to a phased approach for MS4s permittees to implement necessary reductions. This state permit requires a cumulative 40% of the L2 scoping run reductions by June 30, 2026, and 100% of the L2 scoping run reductions by June 30, 2028. Conditions of future permits will be consistent with the TMDL or WIP conditions in place at the time of permit issuance.*				

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
D.1.a.	*a) Definitions The following definitions apply to Part I.D.1* *1) "Existing Sources" means pervious and impervious urban land uses served by the MS4 as of June 30, 2009.* *2) "New Sources" means pervious and impervious urban land uses served by the MS4 developed or redeveloped on or after July 1, 2009.* *3) "Pollutants of concern" or "POC" means total nitrogen and total phosphorus.*				
D.1.b.	***Reduction Requirements - Existing Development:*** *Following a phased approach, the permittee shall reduce the load of total nitrogen and total phosphorous from existing sources within the MS4 service area by at least 40% of the Level 2 Scoping Run reductions by June 30, 2026, and 100% of the reductions by June 30, 2028. The 40% reduction is the sum of:* *(i) the first phase of reduction of 5.0% percent of the L2 Scoping Run Reductions based on the lands located within the MS4 service area as required by June 30, 2018;* *(ii) the second phase reduction of at least 35% of the L2 Scoping Run based on lands within the MS4 service area required by June 30, 2026; and* *(iii) the reduction of at least 40% of the L2 Scoping Run which shall only apply to the additional lands that were added to the MS4 service area since June 30, 2018, as required by June 30, 2026.* *As part of this permit's phased approach, the permittee shall reduce the load of total nitrogen and total phosphorus from existing developed lands served by the MS4 by 100% of the Level 2 Scoping Run Reductions by June 30, 2028. The required reduction shall be calculated using Table 1a for reductions by June 30, 2026 and Table 1b for reductions by June 30, 2028 included herein.*	DPW, EMD, COD	• The Chesapeake Bay TMDL Action Plan was submitted to DEQ on November 22, 2016. The Chesapeake Bay TMDL Action Plan became effective and enforceable on June 28, 2017, when DEQ approved the plan. • The most recently updated Phase 3 Action Plan was submitted on June 30, 2026.	*In accordance with PartI D.1.b)1), the permittee shall submit the Chesapeake Bay TMDL Action Plan no later than 24 months after the permit effective date.*	

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
D.1.c.	***Required Reductions – New Development:*** *No later than the expiration date of this permit (June 30, 2028), the permittee shall offset 100% of the increased loads from new sources initiating construction between July 1, 2009 and June 30, 2024 and designed in accordance with 9VAC25-870-47 and 9VAC25-870-93 et seq.* *if the following conditions apply:* *1) The activity disturbed one acre or greater; and* *2) The resulting total phosphorous load was greater than 0.45 lb/acre/year, which is equivalent to an average land cover condition greater than 16% impervious cover.* *The permittee shall utilize Table 2 included herein to develop the equivalent pollutant load for nitrogen for new sources meeting the requirements of this condition.*				
D.1.d.	***Required Reductions – Grandfathered Projects:*** *No later than the expiration date of this permit, the permittee shall offset 100% of the increased loads from projects grandfathered in accordance with 9VAC25- 870-48 that began construction after July 1, 2014, if the following conditions apply:* *1) The activity disturbs one acre or greater; and* *2) The resulting total phosphorous load was greater than 0.45 lb/acre/year, which is equivalent to an average land cover condition of 16% impervious cover.* *The permittee shall utilize Table 2 included herein to develop the equivalent pollutant load for nitrogen for grandfathered sources meeting the requirements of this condition.*				
D.1.e.	*Reductions achieved in accordance with the Permit for Discharges of Stormwater from Municipal Separate Storm Sewer Systems effective April 01, 2015, shall be applied toward the total reduction requirements to demonstrate compliance with Part I.D.1.b), c) and d).*				
D.1.f.	*Reductions required under Part I.D.1 b), c) and d) shall be achieved in each river basin in which the existing development, new development and grandfathered projects are located.*				

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
D.1.g.	*Loading and reduction values greater than or equal to 10 pounds calculated in accordance with Part I.D.1.b), c) and d) shall be calculated and reported to the nearest pound without regard to mathematical rules of precision. Loading and reduction values of less than 10 pounds reported in accordance with Part I.D.1.b), c) and d) shall be calculated and reported to two significant digits.*				
D.1.h.	*Reductions required in Part I.D.1.b), c) and d) shall be achieved through one or more of the following: 1) BMPs approved by the Chesapeake Bay Program; 2) BMPs approved by the Department; or 3) A trading program described in Part I.D.1.i).*	DPW, EMD, COD	The county meets this requirement through implementation of the actions described below.		
D.1.i.	*The permittee may acquire and use total nitrogen and total phosphorous credits in accordance with §62.1-44.19:21 of the Code of Virginia for purposes of compliance with the required reductions in Table 1 contained herein, provided the use of credits has been approved by the Department. The exchange of credits is subject to the following requirements: 1) The credits are generated and applied to a compliance obligation in the same calendar year; 2) The credits are generated and applied to a compliance obligation in the same tributary; 3) The credits are acquired no later than June 1 immediately following the calendar year in which the credits are applied; 4) No later than June 1 immediately following the calendar year in which the credits are applied, the permittee certifies on an MS4 Nutrient Credit Acquisition Form that the permittee has acquired the credits; 5) Total nitrogen and total phosphorous credits shall be either point source credits generated by point sources covered by the Watershed Permit for Total Nitrogen and Total Phosphorous Discharges and Nutrient Trading in the Chesapeake Bay Watershed general permit issued pursuant to §62.1-44.19:14 of the Code of Virginia, or nonpoint source credits pursuant to §62.1-44.19:20 of the Code of Virginia*	DPW, EMD, COD		*Each annual report shall include a list of control measures implemented during the reporting period and the cumulative progress toward meeting the compliance targets for total nitrogen, phosphorus, and total suspended solids.*	See Appendix F for the Chesapeake Bay TMDL Reductions Summary.

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
	Virginia.				
D.1.j.	*The permittee shall submit an updated Chesapeake Bay TMDL action plan for the cumulative 40% reductions required in Part I.D.1.b), c) and d) within 12 months of the permit effective date. The permittee shall submit an updated Chesapeake Bay TMDL action plan for the cumulative 100% reductions required in Part I.D.1.b), c) and d) by June 30, 2026. The action plans shall include the following information:* *1) Any new or modified legal authorities, such as ordinances, permits, policy, specific contract language, orders and inter-jurisdictional agreements, implemented or needing to be implemented, to meet the requirements of Parts I.D.1.b), c) and d) to include a review in the development of these actions;* *2) The load and cumulative reduction calculations for each river basin calculated in accordance with Parts I.D.1.b), c) and d);* *3) The total reductions achieved to date for each pollutant of concern in each river basin;* *4) A list of BMPs implemented to date to achieve reductions associated with the Chesapeake Bay TMDL including:* *(a) The date of implementation; and* *(b) The reductions achieved.* *5) The BMPs to be implemented by the permittee prior to the expiration date of this permit to meet*			*Each annual report shall include a list of control measures that were implemented during the reporting cycle and the estimated reduction achieved by the control. For stormwater management controls, the report shall include the information required in Part I.C.4.a) and shall include whether an existing stormwater management control was retrofitted, and if so, the existing stormwater management control type retrofit used.*	See Appendix F for the Chesapeake Bay TMDL Reductions Summary.

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
	prior to the expiration date of this permit to meet the cumulative reductions calculated in Parts I.D.1.b), c) and d), including, as applicable: *(a) Type of BMP;* *(b) Project name;* *(c) Location;* *(d) Percent removal efficiency for each pollutant of concern; and* *(e) Calculation of the reduction expected to be achieved by the BMP calculated and reported in accordance with the methodologies established in Part I.D.1.g) for each pollutant of concern.* *6) An estimate of the expected cost to implement the necessary reductions during the permit cycle; and* *7) A summary of any comments received as a result of public participation required in Part I.D.1.k), the permittee's response, identification of any public meetings to address public concerns, and any revisions made to the Chesapeake Bay TMDL action plan as a result of public participation.*	DPW, EMD, COD			
D.1.k.	*Prior to submittal of the action plan required in Part I.D.1.j), the permittee shall provide an opportunity for public comment on the additional BMPs proposed to meet the reductions not previously approved by the Department in the first phase Chesapeake Bay TMDL action plan for no less than 15 days.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
D.1.l.	*As part of the development of the Chesapeake Bay TMDL action plan, the permittee may consider use of the following:* *1) Implementation of BMPs on unregulated lands, provided any necessary baseline reduction is not included toward meeting the required reduction in this permit;* *2) Utilization of stream restoration projects, provided the credit applied to the required POC load reduction is prorated based on the ratio of regulated urban acres to total drainage acres upstream of the restored area;* *3) Establishment of a memorandum of understanding (MOU) with other MS4 permittees that discharge to the same or adjacent eight-digit hydrologic unit within the same basin to implement BMPs collectively. The MOU shall include a mechanism for dividing the POC reductions created by BMP implementation between the cooperative MS4s; and* *4) Any BMPs installed after June 30, 2009 as part of a retrofit program may be applied towards meeting the required load reductions provided any necessary baseline reductions are not included.*	DPW, EMD, COD			
D.1.m.	*The permittee shall address any modification to the TMDL or watershed implementation plan that occurs during the term of this permit as a part of its permit reapplication as required in Part III.M of this permit.*	DPW, EMD, COD			
D.1.n.	*Chesapeake Bay TMDL action plan implementation. The permittee shall implement the TMDL action plan required in Part I.D.1.j) of this permit according to the schedule therein. Compliance with this requirement represents adequate progress for this permit term towards achieving TMDL wasteload allocations consistent with the assumptions and requirements of the TMDL.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
D.1.o.	*Documentation identifying which BMPs were completed within the current annual reporting period. The following information shall also be included:* *(a) For BMPs used to meet the Chesapeake Bay TMDL requirements of Part I.D.1, the SWM facility unique identifier number, total acreage treated, total impervious and total pervious acreage treated, the pollutants of concern load reductions reported in pounds per year, the pollutant removal efficiencies and source of each efficiency, as well as proposed BMPs planned for implementation during the next reporting cycle.* *(b) For retrofit projects used to meet the Chesapeake Bay TMDL requirements of Part I.D.1, the type of land use being retrofitted, the existing stormwater management facility type before retrofit, if applicable, retrofit type used, retrofit performed, completion date or anticipated completion date, total acreage retrofitted, total impervious and total pervious acreage retrofitted, the SWM facility unique identifier number, and if applicable, the incremental reduction credit achieved with the retrofit (the incremental credit is defined as the difference between the existing SWM facility reduction credit and the retrofit reduction credit attained) including pre and post pollutant retrofit removal efficiencies and source of each*				Two projects used to meet the Chesapeake Bay TMDL requirements were implemented in the FY26 reporting year. All required information can be found in Appendix Z. The County did acquire credits from UOSA and Prince William Water; however, they were not necessary to meet the required Chesapeake Bay TMDL reductions in Part I.D.2.b), c), or d).

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
	retrofit removal efficiencies and source of each efficiency. *3) A list of BMPs implemented during the reporting period but not reported to the DEQ BMP Warehouse in accordance with Part II and the estimated reduction of pollutants of concern achieved by each and reported in pounds per year.* *4) If the permittee acquired credits during the reporting period to meet all or a portion of the required reductions in Part I.D.1.b), c) or d), a statement that credits were acquired.* *5) Documentation that sufficient control measures have been implemented (or documentation detailing that implementation will be complete by June 30, 2026, for the cumulative 40% reductions and June 30, 2028 for the cumulative 100% reductions) to meet the compliance targets identified in this section. If temporary credits or offsets have been purchased in order to meet the compliance* *targets, the list of temporary reductions utilized to meet the cumulative required reductions of L2 in this permit and a schedule of implementation to ensure permanent cumulative 40% and 100% reductions shall be provided.* *6) Following notification from the department of the start date for the required electronic submission of Chesapeake Bay TMDL implementation annual status reports, as provided for in 9VAC25-31-1020, such forms and reports submitted after that date shall be electronically submitted to the department in compliance with this section and 9VAC25-31-1020. There shall be at least three months' notice provided between the notification from the department and the date after which such forms and reports must be submitted electronically.*	DPW, EMD, COD			
	D.2. TMDL Action Plans other than the Chesapeake Bay TMDL				

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
D.2.a.	*The Permittee shall update, as necessary, and maintain a local TMDL action plan designed to reduce loadings for pollutants of concern if the permittee discharges the pollutants of concern to an impaired water for which a TMDL has been approved by the U.S. Environmental Protection Agency (EPA) as described in Part I D 2 a 1 and 2:*	DPW, EMD, COD			
D.2.a.1.	*For TMDLs approved by EPA prior to April 1, 2015 and in which an individual or aggregate wasteload has been allocated to the permittee (see Attachment 3 to the Fact Sheet), the permittee shall develop and initiate or update as applicable the local TMDL action plans to meet the conditions of Part I D 2 c, d, e, f, and g, as applicable, no later than 18 months after the permit effective date and continue implementation of the action plan. Updated action plans shall include:* *a) An evaluation of the results achieved by the previous action plan; and* *b) Any adaptive management strategies incorporated into updated action plans based on action plan evaluation.*	DPW, EMD, COD	• The initial TMDL Action Plans other than the Chesapeake Bay TMDL Action Plan were submitted to DEQ in December of 2016. The most recently updated local action plans were submitted on July 12, 2025.		
D.2.a.2.	*For TMDLs approved by EPA on or after April 1, 2015, and prior to the effective date of this permit, and in which an individual or aggregate wasteload has been allocated to the permittee, the permittee shall develop and initiate implementation of action plans to meet the conditions of Part I D 2 c, d, e, f, and g, as applicable no later than 30 months after the permit effective date.*	DPW, EMD, COD			
D.2.b.	*The permittee shall complete implementation of the TMDL action plans as determined by the schedule. TMDL action plans may be implemented in multiple phases over more than one permit cycle using the adaptive iterative approach provided adequate progress is achieved in the implementation of BMPs designed to reduce pollutant discharges in a manner that is consistent with the assumptions and requirements of the applicable TMDL.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
D.2.c.	*Each local TMDL action plan developed by the permittee shall include the following:* *1) The TMDL project name;* *2) The EPA approval date of the TMDL;* *3) The wasteload allocated to the permittee (individually or in aggregate), and the corresponding percent reduction, if applicable;* *4) Identification of the significant sources of the pollutants of concern discharging to the permittee's MS4 that are not covered under a separate VPDES permit. For the purposes of this requirement, a significant source of pollutants of concern means a discharge where the expected pollutant loading is greater than the average pollutant loading for the land use identified in the TMDL;* *5) The BMPs designed to reduce the pollutants of concern in accordance with Part I D 2 d, e, f, and g;* *a) Any calculations required in accordance with Part I D 2 d, e, f, and g;* *b) For action plans developed in accordance with Part I D 2 d, e, f, and g, an outreach strategy to enhance the public's education (including employees) on methods to eliminate and reduce discharges of the pollutants; and* *c) A schedule of anticipated actions planned for implementation during this permit term.*	DPW, EMD, COD			
D.2.d.	*Bacterial TMDLs.* *1) The permittee shall implement at least six strategies designed to reduce the load of bacteria to the MS4. Table 3 provides a list of strategies which correspond to sources identified in Part I D 2 c 4. Additional strategies that are equivalent or better than the strategies provided in Table 3 may be used as approved by the Department.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
D.2.e.	*Local sediment, phosphorus, and nitrogen TMDLs.* *1) The permittee shall select and implement strategies designed to reduce the loads associated with sediment, phosphorus, or nitrogen to the permittee's MS4. The permittee may implement this requirement through one or more of the following:* *a) One or more of the BMPs from the Virginia Stormwater BMP Clearinghouse listed in 9VAC25-870-65 or other approved BMPs found on the Virginia Stormwater BMP Clearinghouse website;* *b) One or more BMPs approved by the Chesapeake Bay Program. Pollutant load reductions generated by annual practices, such as street and storm drain cleaning, shall only be applied to the compliance year in which the annual practice was implemented; or* *c) Land disturbance thresholds lower than Virginia's regulatory requirements for erosion and sediment control and post development stormwater management.* *2) The permittee may meet the local TMDL requirements for sediment, phosphorus, or nitrogen through BMPs implemented or sediment, phosphorus, or nitrogen credits acquired. BMPs implemented and nutrient and sediment credits acquired to meet the requirements of the Chesapeake Bay TMDL in Part I D 1 may also be utilized to meet local TMDL requirements as long as the BMPs are implemented, or the credits are generated in the watershed for which local water quality is impaired.* *3) The permittee shall calculate the anticipated load reduction achieved from each BMP and include the calculations in the action plan required in Part I D 2 c 5.* *4) No later than 36 months after the effective date of this permit, the permittee shall submit to the department an update on the progress made toward achieving local TMDL action plan goals and the anticipated end dates by which the permittee will meet each wasteload allocation for sediment, phosphorus, or nitrogen. The proposed end date may be developed in accordance with Part II B 3.*	DPW, EMD, COD			

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
D.2.f.	*Polychlorinated biphenyl (PCB) TMDLs.* *1) For each PCB TMDL action plan, the permittee shall include an inventory of potentially significant sources of PCBs owned or operated by the permittee that drains to the MS4 that includes the following information:* *a) Location of the potential source;* *b) Whether or not the potential source is from current site activities or activities previously conducted at the site that have been terminated (i.e., legacy activities); and* *c) A description of any measures being implemented or to be implemented to prevent exposure to stormwater and the discharge of PCBs from the site.* *2) If at any time during the term of this permit, the permittee discovers a previously unidentified significant source of PCBs within the permittee's MS4 regulated service area, the permittee shall notify DEQ in writing within 30 days of discovery.* *3) As part of its annual reporting requirements, the permittee shall submit results of any action plan PCB monitoring or product testing conducted.*	DPW, EMD, COD			
D.2.g.	*Prior to submittal of the action plan required in Part I D 2 a, the permittee shall provide an opportunity for public comment for no fewer than 15 days on the proposal to meet the local TMDL action plan requirements.*	DPW, EMD, COD			
D.2.h.	*The MS4 Program Plan as required by Part I A 6 of this permit shall incorporate each local TMDL action plan. Local TMDL action plans may be incorporated by reference into the MS4 Program Plan provided that the Program Plan includes the date of the most recent local TMDL action plan and identification of the location where a copy of the local TMDL action plan may be obtained.*	DPW, EMD, COD			
D.2.i.	*For each reporting period, each annual report shall include a summary of actions conducted to implement each local TMDL action plan.*	DPW, EMD, COD			See Appendix AA for a summary of local TMDL action plan implementation.
	E. ANNUAL REPORTING				

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
E.1.	*The permittee shall submit the annual report to the Department, no later than March 31 st of each year. The report shall cover the previous fiscal year from July 1st to June 30th and include the following separate sections:*		The annual reports will be submitted in accordance with the schedule laid out in the permit.		
E.1.a.	*Background Information* *a) The permittee and permit number of the program submitting the annual report;* *b) Any modifications to the MS4 Program Plan as a result of the annual report;* *c) The reporting dates for which the annual report is being submitted; and,* *d) Certification as per Part III.K.*		All annual reports will include the required background information.	*Each annual report shall include the required background information.*	
E.1.b.	*A summary of the compontents implemented under Part I.B. and an evaluation of the effectiveness of each component. The permittee should attempt to limit any component's narrative summary to no longer than two-pages plus any necessary tables and figures.*		The annual reports will include a summary of components implemented and an evaluation of the effectiveness of each component.	*Each annual report shall include a summary of components implemented and an evaluation of the effectiveness of each component.*	See Part I.B. above.
E.1.c.	*A summary report of the monitoring programs listed under Part I.C.*		The annual reports will include a summary of the monitoring programs listed under Part I.C.	*Each annual report shall include a summary report of the monitoring programs listed under Part I.C.*	See Part I.C. above.
E.1.d.	*A summary of the implementation of each component listed under Part I.D.*		The annual reports will include a summary of the implementation of components under Part I.D.	*Each annual report shall include a summary of the implementation of each component listed under Part I.D.*	See Part I.D. above.
E.1.e.	*The Specific Reporting Requirements identified in this state permit.*		The annual reports will include the Specific Reporting Requirements.	*Each annual report shall include the Specific Reporting Requirements identified in this state permit.*	The Specific Reporting Requirements identified in the permit are contained in the Specific Reporting Requirement column of this table.

MS4 Action ID	Permit Requirement	Responsible Party	2026 Program Plan Elements (July 1, 2025 through June 30, 2026)	Specific Reporting Requirement	2026 Annual Report (July 1, 2025 through June 30, 2026)
E.2.	Following notification from the department of the start date for the required electronic submission of annual reports, as provided for in 9VAC25-31-1020, such forms and reports submitted after that date shall be electronically submitted to the department in compliance with this section and 9VAC25-31-1020. There shall be at least three months' notice provided between the notification from the department and the date after which such forms and reports must be submitted electronically.				

Appendix A

Roles and Responsibilities

Prince William County FY26 Annual Report
Roles and Responsibilities (I.A.2)

Agency	Permit Section	Responsibilities
Department of Facilities & Fleet Management (DFFM)	I.B.2.c	Roadways
	I.B.2.d	Pesticide, Herbicide, and Fertilizer Application
	I.B.2.i	County Facilities
	I.B.2.k.2	Training: good housekeeping during road, street and parking lot maintenance
	I.B.2.k.3	Training: good housekeeping at maintenance and public works facilities
	I.B.2.k.4	Training: tracking of pesticides, herbicides and fertilizer certifications
Department of Public Works (DPW), Solid Waste Division (SWD)	I.B.2.j.1.d	Public Education: used oil and household hazardous waste
Department of Fire and Rescue (DFR)	I.B.2.f	Spill Prevention and Response
	I.B.2.k.9	Training: spill response for emergency response employees
Department of Parks, Recreation & Toursim (DPRT)	I.B.2.d	Pesticide, Herbicide, and Fertilizer Application
	I.B.2.i	County Facilities
	I.B.2.j.1.c	Public Education: golf courses
	I.B.2.k.2	Training: good housekeeping during road, street and parking lot maintenance
	I.B.2.k.5	Training: tracking of pesticides, herbicides and fertilizer certifications
	I.B.2.k.8	Training: good housekeeping at county recreation facilities
Department of Public Works (DPW), Environmental Management Division (EMD) & Construction and Operations Division (COD)	I.A.	MS4 Program Coordination
	I.B.1.	Planning
	I.B.2.a	Construction Site Runoff and Post Construction Runoff from Areas of New Development and Development on Prior Developed Lands
	I.B.2.b	Retrofitting on Prior Developed Lands
	I.B.2.e	Illicit Discharges and Improper Disposal
	I.B.2.g	Industrial & High Risk Runoff
	I.B.2.h	Stormwater Infrastructure Management
	I.B.2.j	Public Education/Participation

Agency	Permit Section	Responsibilities
	I.B.2.j.1.a	Public Education: illicit discharges
Department of Public Works (DPW), Environmental Management Division (EMD) & Construction and Operations Division (COD)	I.B.2.j.1.b	Public Education: individual and group involvement in local water quality improvement initiatives
	I.B.2.j.1.e	Public Education: household yard waste and pet waste
	I.B.2.j.1.f	Public Education: litter prevention program
	I.B.2.j.1.g	Public Education: residential car washing
	I.B.2.j.1.h	Public Education: pesticides, herbicides, and fertilizers
	I.B.2.j.1.i	Public Education: voluntary stormwater management techniques
	I.B.2.j.1.j	Public Education: commercial, industrial, and institutional entities
	I.B.2.k.1	Training: illicit discharges
	I.B.2.k.6	Training and certifications per Virginia Erosion and Sediment Control Law
	I.B.2.k.7	Training and certifications per Virginia Stormwater Management Act
	I.B.2.l	Water Quality Screening Programs
	I.B.2.m	Infrastructure Coordination
	I.C.1.	Biological Stream Monitoring
	I.C.2.	In-Stream Monitoring
	I.C.3.	Floatables Monitoring
	I.D.1.	Chesapeake Bay Special Condition
	I.D.2.	TMDL Action Plans other than the Chesapeake Bay TMDL
Department of Finance (DF), Risk Management Division (RMD)	I.B.2.i	County Facilities
	I.B.2.k.10	Training: coordination of training documentation
	I.B.2.k.2	Training: good housekeeping during road, street and parking lot maintenance

Agency	Permit Section	Responsibilities
	I.B.2.k.3	Training: good housekeeping at maintenance and public works facilities

Appendix B

FY2026 Budget

Public Works

Mission Statement

The goal of the Prince William County Department of Public Works is to improve the wellbeing of our community by creating and sustaining the best environment in which to live, work, and play. We protect and improve our natural resources, educate, monitor, and enforce codes and regulations for compliance, and build and maintain environmental infrastructure in our community.

Mobility, Economic Growth & Resiliency
Expenditure Budget: $113,119,705

Expenditure Budget: $66,175,285

58.5% of Mobility, Economic Growth & Resiliency

Programs:

- Director's Office: $1,387,924
- Stormwater Infrastructure Management: $1,350,147
- Site Development: $5,395,288
- Watershed Improvement: $10,182,562
- Sign Shop: $386,642
- Small Project Construction & Drainage Maintenance: $6,928,536
- Mosquito & Forest Pest Management: $2,337,000
- Solid Waste: $33,123,017
- Neighborhood Services: $4,698,882
- Service Districts: $385,287

Mandates

Public Works provides mandated services for solid waste management and recycling and maintains existing street name signs. Public Works is liaison to the state-mandated Chesapeake Bay Preservation Area Review and Wetlands Boards. The Board of County Supervisors has enacted additional local mandates for which Public Works has responsibility.

Federal Code: 33 U. S. C. Section 1251 (Clean Water Act)

State Code: 9VAC20-81 (Solid Waste Management Regulations), 9VAC20 (Virginia Waste Management Board), 9VAC5-80 (Air Permits for Stationary sources), 9VAC25-31 (VPDES Permit Regulation), 33.2-328 (Street Name Signs), 28.2-1303 (Local Wetlands Board), 62.1-44.15:74 (Chesapeake Bay Preservation Areas), Chapter 870 (Virginia Stormwater Management Regulation), Chapter 3.1 (State Water Control Law)

County Code: Chapter 2 Article VII (Wetlands Areas), Chapter 3 (Amusements), Chapter 5 Article VI (Building Maintenance Code), Chapter 12 (Massage Establishments), Chapter 13-320.1 (Designation of watercraft, boat trailer, motor home, and camping trailer "restricted parking" zones), Chapter 14 (Noise), Chapter 16-56 (Graffiti Prevention and Removal), Chapter 22 (Refuse), Chapter 23 Article II (Public Sanitary Sewers), Chapter 23.2 (Stormwater Management), Chapter 25 Article II (Subdivisions - Minimum Requirements), Chapter 29 Article II (Weeds & Grass), Chapter 32 (Zoning), Chapter 33 (Expedited Land Development Plan Review)

Expenditure and Revenue Summary

Expenditure by Program	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted	% Change Budget FY25/ Budget FY26
Director's Office	$1,390,619	$1,541,019	$2,004,911	$1,467,340	$1,387,924	(5.41%)
Stormwater Infrastructure Management	$4,213,178	$4,128,495	$1,152,003	$1,695,677	$1,350,147	(20.38%)
Site Development	$3,661,793	$4,406,177	$4,437,483	$4,952,449	$5,395,288	8.94%
Watershed Improvement	$4,781,380	$5,174,668	$6,375,963	$7,608,551	$10,182,562	33.83%
Sign Shop	$262,469	$243,347	$267,093	$322,789	$386,642	19.78%
Small Project Construction & Drainage Maintenance	$2,411,914	$3,534,940	$7,142,102	$6,970,076	$6,928,536	(0.60%)
Mosquito & Forest Pest Mgmt	$1,464,932	$1,549,638	$1,959,275	$2,227,304	$2,337,000	4.93%
Solid Waste	$28,154,779	$25,934,027	$35,985,323	$33,539,330	$33,123,017	(1.24%)
Neighborhood Services	$3,587,271	$3,801,444	$3,805,373	$4,215,718	$4,698,882	11.46%
Service Districts	$256,572	$432,843	$309,880	$385,287	$385,287	0.00%
Historic Preservation	$1,835	$0	$0	$0	$0	-
Fleet Management	$6,807	$0	$0	$0	$0	-
Buildings & Grounds	$7,261	$0	$0	$0	$0	-
Total Expenditures	**$50,200,809**	**$50,746,599**	**$63,439,406**	**$63,384,522**	**$66,175,285**	**4.40%**

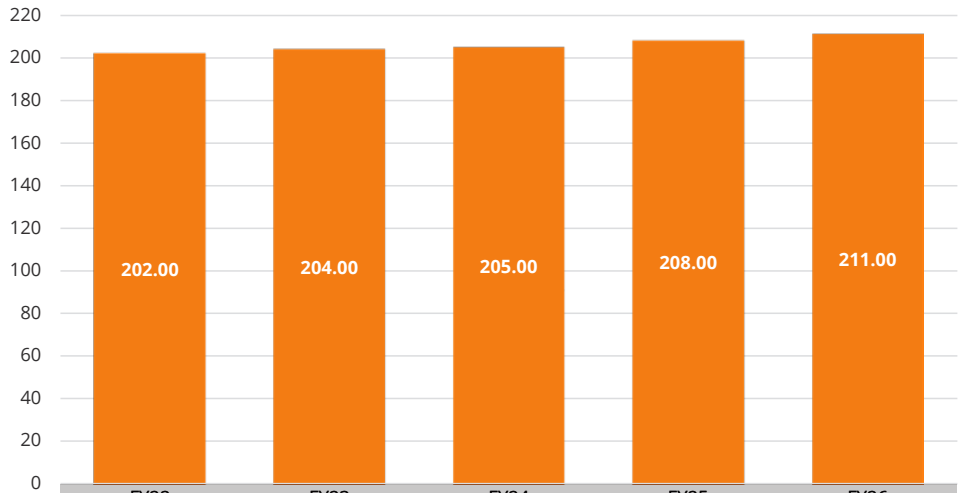
Expenditure by Classification

Salaries & Benefits	$16,567,277	$17,302,128	$19,956,042	$23,589,234	$25,161,803	6.67%
Contractual Services	$7,425,695	$8,950,125	$9,593,924	$11,161,705	$10,213,805	(8.49%)
Internal Services	$3,382,355	$4,001,434	$3,752,670	$3,639,265	$3,662,809	0.65%
Purchase of Goods & Services	$4,140,844	$3,751,661	$4,051,137	$4,736,796	$4,935,336	4.19%
Capital Outlay	$258,156	$742,479	$363,027	$2,786,821	$5,202,615	86.69%
Leases & Rentals	$126,006	$122,086	$163,011	$106,977	$106,977	0.00%
Reserves & Contingencies	($174,917)	($219,462)	($170,406)	($218,606)	($218,606)	0.00%
Amortization	$4,961,586	$6,450,589	$5,755,845	$0	$4,770,000	-
Depreciation Expense	$1,229,030	$1,283,184	$1,385,761	$2,158,713	$2,158,713	0.00%
Debt Maintenance	$0	$0	$0	$0	$319,988	-
Transfers Out	$12,284,776	$8,362,375	$18,588,395	$15,423,616	$9,861,845	(36.06%)
Total Expenditures	**$50,200,809**	**$50,746,599**	**$63,439,406**	**$63,384,522**	**$66,175,285**	**4.40%**

Funding Sources

Revenue from Federal Government	$23,171	$24,713	$227,334	$0	$0	-
Permits & Fees	$3,047,869	$3,491,819	$3,418,332	$4,216,895	$4,304,882	2.09%
Fines & Forfeitures	$11,806	$14,650	$8,335	$0	$0	-
Use of Money & Property	$1,072,694	$749,291	$759,849	$1,526,000	$1,526,000	0.00%
Miscellaneous Revenue	$457,541	$231,695	$295,149	$570,000	$570,000	0.00%
Non-Revenue Receipts	159,697	($23,102)	79,421	$0	$0	-
General Property Taxes	$2,469,387	$2,397,549	$2,667,771	$2,460,287	$2,685,287	9.15%
Charges for Services	$31,371,726	$35,615,191	$42,353,558	$47,267,290	$48,279,788	2.14%
Revenue from Commonwealth	$68,050	$108,653	$120,618	$140,000	$140,000	0.00%
Transfers In	$2,220,383	$2,742,689	$4,956,903	$6,884,661	$464,288	(93.26%)
Total Designated Funding Sources	**$40,902,325**	**$45,353,146**	**$54,887,272**	**$63,065,133**	**$57,970,245**	**(8.08%)**
Use/(Contribution) of Fund Balance	**$4,899,306**	**$370,037**	**$2,654,619**	**($6,068,266)**	**$1,220,507**	**(120.11%)**
Net General Tax Support	**$4,399,179**	**$5,023,415**	**$5,897,516**	**$6,387,655**	**$6,984,533**	**9.34%**
Net General Tax Support	**8.76%**	**9.90%**	**9.30%**	**10.08%**	**10.55%**	

Staff History by Program



	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Director's Office	3.27	5.15	6.00	8.00	8.00
Stormwater Infrastructure Management	24.18	25.01	6.40	5.65	5.65
Site Development	27.95	29.08	29.21	29.06	30.01
Watershed Improvement	11.27	10.30	10.81	11.29	12.34
Sign Shop	4.06	4.12	4.12	3.47	3.32
Small Project Construction & Drainage Maintenance	16.42	14.23	32.78	33.37	33.52
Mosquito & Forest Pest Management	14.02	13.73	13.68	13.16	13.16
Solid Waste	65.72	67.38	77.00	79.00	80.00
Neighborhood Services	35.11	35.00	25.00	25.00	25.00
Full-Time Equivalent (FTE) Total	202.00	204.00	205.00	208.00	211.00

Future Outlook

Fees – In FY24, Solid Waste Fees were increased for the first time since 1998, with the intent to review and adjust every two years. The Solid Waste Division has updated its comprehensive financial forecast and proposed fee structure to stabilize the Solid Waste Enterprise Fund. These adjustments are necessary to maintain Landfill services for residents and businesses and to fund construction of essential infrastructure. Additionally, the new Municipal Separate Storm Sewer System (MS4) permit was reissued in 2024, with the timeline to meet its requirements shortened by 18 months. To meet these accelerated requirements, an increase in the Stormwater Management Fee will be required to fund stormwater capital projects within the new timeline.

Dredging, Aging Infrastructure, and Flood Resiliency – Dredging and the necessary infrastructure for stormwater management and flood resiliency are becoming increasingly pressing needs. The next phase of the County's stormwater management program anticipates more dredging of stormwater management ponds and other facilities, with over 1,000 currently in the inventory and continuing to grow. Also, the rising cost of dredge material disposal further impacts this activity, affecting the Stormwater Management Fee. Additionally, as the County stormwater infrastructure expands and ages, more maintenance and repairs will be required to prevent localized flooding.

Workforce Challenges – A shortage of qualified engineers, experienced field inspectors, skilled equipment operators, and other personnel continues to challenge Public Works. This results in increased workloads for internal staff, often requiring the reassignment of available team members to meet targets. This also leads to an increase of contractual labor in other areas, contributing to higher project costs and further delays to project completion and permitting. Staff remains committed to balancing resources and priorities to achieve Department goals.

General Overview

A. Increase Indirect Cost Transfer to the General Fund – Indirect costs are expenditures charged by one part of the County government for services rendered by another part of the County government, for example, the cost of office space, utilities, and other basic agency support.

- The indirect cost transfer amount reimbursing the general fund for Solid Waste increases by $152,360 from $1,493,531 in FY25 to $1,645,891 in FY26.
- The indirect cost transfer amount reimbursing the general fund for Mosquito & Forest Pest Management increases by $83,910 from $361,922 in FY25 to $445,832 in FY26.
- The indirect cost transfer amount reimbursing the general fund for Stormwater Infrastructure Management increases by $24,963 from $1,225,796 in FY25 to $1,250,759 in FY26.

B. Adjustments to Land and Building Development Fee Schedules – The FY2026 Budget includes a 5.0% increase in the Land Development fee schedule and no increase (0.0%) to the Building Development fee schedule. No revenue adjustments have been made to support expenditures across the four land development agencies: Planning, Public Works, Transportation, and Development Services. As a result, there is no net change in the revenue budget for Public Works. This adjustment aligns development fees with activity costs and current revenue projections.

C. Base Budget Adjustment for Litter Crew – The FY2026 Budget includes a base budget transfer of $362,900 from the General Fund to fund an additional litter crew. Added in FY25, the additional crew provides more frequent patrols of litter hot spots to improve efforts for maintaining and improving roadway aesthetics.

D. Base Budget Revenue Adjustments for Mosquito & Forest Pest Management – The FY2026 Budget includes an increase of $225,000 in the Mosquito & Forest Pest revenue budget to accurately reflect historical revenue trends with no change to the Mosquito & Forest Pest levy.

E. Removal of One-Time Costs in Solid Waste –

- A total of $1,320,000 in expenditures has been removed from the Public Works Solid Waste program for FY25 one-time costs associated with the Phase 3 Part B cell construction and liner installation capital project in the FY2025-2030 Capital Improvement Program (CIP).
- A total of $1,034,000 in expenditure has been removed from the Public Works Solid Waste program for FY25 one-time costs associated with the replacement of equipment and vehicles. In FY25, Solid Waste replaced a 2019 CAT 973 Loader ($620,000), a 2015 Kenworth roll-off truck ($265,000), a 2012 Chevy 3500 ($85,000), and purchased five 50 yard open-top roll-off containers.
- A total of $1,000,000 in expenditure has been removed from the Public Works Solid Waste program for FY25 one-time costs associated with the Phase 4 Part B Permitting and Wetlands Permitting to support additional landfill disposal space (Phase 4).
- A total of $150,000 in expenditures has been removed from the Solid Waste program for FY25 one-time costs associated with a Facility Condition Assessment and Phase 4 Facility Master Plan.

F. Establishment of Equipment Replacement in Solid Waste – The FY2026 Budget includes the establishment of an ongoing replacement budget of $1.3 million for Solid Waste program equipment. The equipment used to operate the landfill is complex and costly to purchase and maintain. Currently, most large equipment purchases exceed $500,000 per unit. Ensuring funding availability for timely equipment replacement at landfill facilities on an ongoing basis ensures operational efficiency, reduces maintenance costs, and maintains compliance with safety and environmental regulations. In FY26, the following equipment is planned for replacement.

- $850,000 to purchase a new CAT 973 Loader SW4416. The current 2016 model is scheduled for replacement due to end of useful life. It is required for landfilling operations.
- $120,000 to purchase a new Takeuchi Skid Steer SW3703. The current 2013 model is scheduled for replacement due to end of useful life. It is required to support landfill operations.
- $100,000 to purchase a new Chevy Dooley SW3927. The current 2015 model is scheduled for replacement due to end of useful life. It is required to support remote recyclable material collection locations throughout the county.
- $80,000 to purchase a new Chevy 4x4 Pickup Truck SW3576. The current 2013 model is scheduled for replacement due to end of useful life. It is used by staff to support landfill environmental compliance.
- $75,000 to purchase a new Mini Excavator SW3113. The current 2007 model is scheduled for replacement due to end of useful life. It is required for landfill repairs and maintenance.

- $75,000 to purchase new 50-yard Roll-off Containers. These containers will be replacements for existing metal recyclable material collection containers that have met end of useful life. They are required to support remote recyclable material collection locations throughout the county.

G. Removal of One-Time Costs in Watershed Improvement –

- A total of $933,440 in expenditure has been removed from the Watershed Improvement program for FY25 one-time costs associated with a transfer to the CIP. This one-time transfer was the result of inflation and the rising cost of time and materials to complete watershed capital projects.
- A total of $93,960 in expenditure has been removed from the Watershed Improvement program for FY25 one-time costs associated with the purchase of replacement vehicles. In FY25 Watershed Improvement replaced a 2004 Chevrolet Blazer (EM2493), a 2005 Chevrolet Trailblazer (EM2607), a 2006 Chevrolet Trailblazer (EM2675), and a 2007 Chevrolet Trailblazer (EM2802). The one-time funding supported the purchase of four new vehicles with better gas mileage and lower maintenance costs.

H. Removal of One-Time Costs in Small Project Construction & Drainage Maintenance – A total of $780,000 in expenditure has been removed from the Small Project Construction & Drainage Maintenance program for FY25 one-time costs associated with the replacement and purchase of equipment and vehicles.

I. Removal of One-Time Costs in Stormwater Infrastructure Management – A total of $450,000 in expenditure has been removed from the Stormwater Infrastructure Management program for FY25 one-time costs associated with implementation of recommendations from a flood resiliency assessment.

J. Removal of One-Time Costs in Mosquito and Forest Pest Management – A total of $34,000 in expenditure has been removed from the Mosquito and Forest Pest Management program for FY25 one-time costs associated with the replacement of two vehicles. These one-time costs funded the purchase of two truck-mounted sprayers, which replaced obsolete vehicles.

Budget Initiatives

A. Budget Initiatives

1. Solid Waste CIP Transfer for Landfill Facility Infrastructure – Solid Waste

Expenditure	$3,300,000
Debt (Funded by Solid Waste Fee)	$3,300,000
General Fund Impact	$0
FTE Positions	0.00

a. Description – This initiative funds the cost escalation related to the Solid Waste Facility Infrastructure capital project in the FY2026-2031 CIP. The project funds the necessary infrastructure to support ongoing operations of Phase 3 and Phase 4 at the Landfill. The infrastructure will include new administration and maintenance buildings, roadways, and scales. Debt financing will fund the expenditure with debt service being paid by the solid waste fee. There is no general fund impact.

b. Service Level Impacts – The constructed infrastructure will support longevity of safe and environmentally sound landfill operations and compliance with Virginia solid waste regulations.

2. Stormwater Management Fee Increase and Watershed CIP Transfer – Watershed Improvement

Expenditure	$2,860,000
Use of Fund Balance (Stormwater)	$2,513,998
Revenue	$346,002
General Fund Impact	$0
FTE Positions	0.00

a. Description – This initiative increases the Stormwater Management fee 3% which is estimated to generate $346,002 in additional revenue in FY26. The increase helps to address Municipal Separate Storm Sewer System (MS4) Permit requirements for permit cycle deadlines in 2028. The deadline to comply with required reductions in nitrogen, phosphorous, and sediments accelerated eighteen months in FY24, from December 30, 2029, to June 30, 2028. The CIP transfer will fund approximately a third of the $6.7M to cover MS4 Permit requirement for the County's FY26 CIP watershed investment increase.

This initiative transfers funding to the County's CIP for the FY26 investment in watershed improvements. County watershed capital projects include stream restorations, best management practices, Stormwater Management facility retrofits, culvert modifications, channel improvements, and drainage improvements to reduce flooding and erosion problems and/or improve water quality within countywide watersheds. Design and construction for watershed improvement projects occur on a phased basis as specific projects are identified in watershed studies, and through the inspection process or based on complaints received. Planned and ongoing projects for FY26 through FY30 are in the Bull Run Watershed, Broad Run Watershed, Neabsco Creek Watershed, Occoquan River Watershed, Powells Creek Watershed, Quantico Creek Watershed, and various watersheds countywide, including stormwater infrastructure improvements, stormwater quality retrofits, the Leesylvania Living Shoreline, and the Occoquan Bay Living Shoreline. There is no general fund impact.

b. Fee Scheduled – The following table shows the FY26 Stormwater Management fee changes:

	FY2025 Adopted	FY2026 Adopted	Change
Single Family Detached Residential Property (per year)	$52.26	$53.83	$1.57
Townhouses, Apartments, and Condominiums (per year)	$39.20	$40.38	$1.18
Developed Non-Residential (per 2,059 square feet of impervious area)	$52.26	$53.83	$1.57

c. Service Level Impacts – The fee increase will be used to meet MS4 permit requirements which support the County's Environmental Conservation strategic goal by improving protections for streams, other water bodies, and drinking water quality.

- **Pounds of Phosphorous reduction achieved**
  FY26 w/o Addition | 180
  FY26 w/ Addition | 200 (meet MS4 permit requirements)
- **County-maintained Stormwater Management facilities inspected**
  FY26 w/o Addition | 90%
  FY26 w/ Addition | 100%

3. Landfill Heavy Equipment Purchase – Solid Waste

Expenditure	$2,300,000
Revenue	$2,300,000
General Fund Impact	$0
FTE Positions	0.00

a. Description – This initiative provides one-time funding for the purchase of additional and replacement of some current Solid Waste heavy equipment. Solid Waste Enterprise revenue supports these one-time expenditures. There is no general fund impact. The equipment includes:

- $900,000 to purchase a new Track Loader. This equipment is used to push, load, move, spread, excavate, and place waste material and to place cover soil or other alternative daily cover material at the working face of the landfill. It is also used to support landfill projects around the facility.
- $700,000 to purchase a new Bulldozer. This equipment is used in a multitude of ways, including moving and clearing waste dumped by collection trucks and waste dumped at the landfill by individual patrons. Additionally, bulldozers are used to manage recyclable materials, compact waste, clear additional cells/space at the landfill, and cover waste with soil to meet regulatory requirements.
- $700,000 to purchase a new Excavator. This equipment is used to prepare areas for waste dumping by digging trenches and moving soil. Excavators also move waste dumped and collected at the landfill.

b. Service Level Impacts – This additional equipment will allow for some redundancy, covering landfill functionality in the event of breakdowns and supporting efficient operations.

4. Replacement of Drainage Maintenance Vehicles and Equipment – Stormwater Infrastructure Management

Expenditure	$417,054
Use of Fund Balance (Stormwater)	$417,054
General Fund Impact	$0
FTE Positions	0.00

a. Description – This initiative provides one-time funding for the replacement of drainage maintenance vehicles and equipment. The Stormwater Management fund balance supports these one-time expenditures. There is no general fund impact. The equipment includes:

- Replace a full-sized pickup truck (CO3360). The vehicle has over 140,000 miles logged and has reached the end of life.
- Replace a full-sized pickup truck (CO3698). Repairs have been completed over the last 15 months, but the truck will not stay operational.
- Replace a compact track loader (CO3493). The vehicle has over 1,800 hours of service and has reached the end of life.
- Replace a 20-year-old hydraulic excavator (CO2220). The vehicle has almost 2,400 hours of service and has reached the end of life.

b. Service Level Impacts – The replacement of obsolete equipment will support operations and existing service levels.

5. Flood Resiliency Phase 3: Planning and Design – Stormwater Infrastructure Management

Expenditure	$350,000
Revenue	$350,000
General Fund Impact	$0
FTE Positions	0.00

a. Description – This initiative provides one-time funding in the stormwater infrastructure budget to maintain ongoing resiliency efforts and improvements. These efforts were put into place to implement the findings of the FY24 initial risk assessment and to begin detailed analysis and studies of areas needing action and further development as identified in the risk assessment of the existing stormwater system. This FY24 study created the County's Flood Resiliency Plan, which helped to secure grant funding in FY25 for additional flood resiliency study and planning. FY26 action steps include planning and design needed to mitigate flood risk. This initiative is funded from the Stormwater Management fee fund balance. There is no general fund impact.

b. Service Level Impacts – Funding this project ensures the resiliency of the stormwater system.

6. Landfill Gas Collection System Modifications – Solid Waste

Expenditure	$300,000
Revenue	$300,000
General Fund Impact	$0
FTE Positions	0.00

a. Description – This initiative provides funding for one-time modifications to the landfill gas collection system to ensure compliance with environmental regulations, improve gas capture efficiency, and mitigate potential emissions. The modifications may include installing additional gas wells, upgrading piping infrastructure, and enhancing monitoring systems. Solid Waste Enterprise revenue funds this one-time expenditure. There is no general fund impact.

b. Service Level Impacts – These improvements will help maintain regulatory compliance, reduce greenhouse gas emissions, and support the County's environmental sustainability goals.

7. Landfill and Compost Facility Sunday Opening – Solid Waste

Expenditure	$296,354
Revenue	$296,354
General Fund Impact	$0
FTE Positions	1.00

a. Description – Current operating hours of the landfill are 6:00 AM – 6:00 PM, Monday through Saturday. This initiative will shift operating hours to 7:00 AM – 4:00 PM, for every day of the week except for Thursdays, which will have hours from 7:00 AM – 6:00 PM. This initiative will require adjusting the work hours of all landfill employees. To support Sunday opening hours, this initiative provides $220,000 for shift differential pay. Additionally, a Scale House Operator position (1.00 FTE) is added to support increased landfill usage on weekends. Funding for the position includes $76,354 for ongoing salary, benefits, and technology costs. Costs are supported by Solid Waste Management fee revenue and have no general fund impact. The table below shows the new Landfill and Compost Facility hours, planned to be effective in January 2026:

	Current Hours	New Hours
Mon, Tue, Wed, Fri	6AM-6PM	7AM-4PM
Thursday	6AM-6PM	7AM-6PM
Saturday	8AM-5PM	7AM-4PM
Sunday	Closed	7AM-4PM

b. Service Level Impacts – Funding this initiative expands landfill service to seven days a week.

- **Number of days per week landfill is open**
  FY26 w/o Addition | 6 days
  FY26 w/ Addition | 7 days

8. Noise Ordinance Enforcement – Neighborhood Services

Expenditure	$250,000
Use of Fund Balance	$0
General Fund Impact	$250,000
FTE Positions	0.00

a. Description – This funding supports the anticipated adoption of a revised Noise Ordinance later in calendar year 2025. The funding will cover costs associated with enforcing the Noise Ordinance, which will include noise meter and accessory equipment purchases, staff training, and consultant services. The staff training will be an ongoing effort to ensure staff are fully capable of effectively utilizing technology designed to monitor noise levels in the community.

b. Service Level Impacts – This improvement will help maintain regulatory compliance, reduce greenhouse gas emissions, and support the County's environmental sustainability goals.

9. Environmental Analyst – Stormwater Infrastructure Management

Expenditure	$164,215
Revenue	$164,215
General Fund Impact	$0
FTE Positions	1.00

a. Description – This initiative funds an Environmental Analyst position (1.00 FTE). This position will enhance regulatory compliance, improve infrastructure inspections, and support pollution reduction efforts. This position will help to ensure adherence to MS4 permit requirements, Chesapeake Bay TMDL mandates, and VSMP regulations by overseeing water quality monitoring, permit reporting, and best management practices. Additionally, the Analyst will support major maintenance projects, track performance metrics, and improve interdepartmental coordination to strengthen stormwater management. Funding for this position includes $124,095 in ongoing costs for salary and benefits, technology, and operating supplies, and one-time costs of $40,120 for a vehicle and operating equipment. This position will be funded by Stormwater Management fee revenue.

b. Service Level Impacts – This initiative enhances the County's ability to maintain stormwater infrastructure, ensure regulatory compliance, improve water quality monitoring, and support major maintenance projects, ultimately reducing flooding risks and protecting local waterways.

10. Targeted Industry Plan Reviewer – Stormwater Infrastructure Management

Expenditure	$163,742
Revenue	$0
General Fund Impact	$163,742
FTE Positions	1.00

a. Description – This initiative funds a targeted industry staff position for plan reviews. Demand for review of special projects as well as targeted industry services such as front counter appointments, land disturbance and violation letters have grown and increasing staff service hours. Demand for these services has made prioritizing existing projects difficult. This initiative provides funding for a Principal Engineer position (1.00 FTE), with ongoing funding of $137,992 for salary, benefits, technology, and operating supplies and one-time costs of $25,750 for training, equipment, and services. Costs are supported by a general fund transfer.

b. Service Level Impacts – This initiative helps to meet the demand of increased service hours and plan review for special projects, decreasing the workload of current employees and increasing overall plan review capacity.

11. Technology Upgrades and Replacement – Site Development

Expenditure	$89,000
Revenue	$89,000
General Fund Impact	$0
FTE Positions	0.00

a. Description – This initiative provides funding to support electronic submissions, transaction fees, and licensing to ensure seamless daily operations. Technology upgrades include replacing outdated equipment, such as a large-format printer at the end of its lifecycle and upgrading monitors for plan reviewers to larger, touchscreen-enabled models to improve efficiency. Additional licensing costs are anticipated for essential software and processing fees related to electronic submissions. This initiative is funded by land development fees and there is no general fund impact.

b. Service Level Impacts – Investing in these technology upgrades will enhance operational efficiency, improve the accuracy and speed of plan reviews and inspections, and ensure seamless service delivery by reducing downtime and workflow disruptions.

12. Sign Shop Printer and Laminator Replacement & Supplies – Sign Shop

Expenditure	$60,000
Revenue	$0
General Fund Impact	$60,000
FTE Positions	0.00

a. Description – This initiative supports increased demand for signs and graphic projects. The current printer and laminator have reached the end of their useful lives and warranties and service agreements can no longer be renewed. The cost of repairing the current equipment is estimated to be the same as the purchase of new equipment.

b. Service Level Impacts – Replacing the aging printer and laminator will prevent potential breakdowns and operational delays. This ensures that sign and graphic projects can be completed on time and existing service levels can be maintained.

13. Northern Virginia Regional Commission (NVRC) Membership Increases – Watershed Improvement

Expenditure	$44,966
Revenue	$44,966
General Fund Impact	$0
FTE Positions	0.00

a. Description – This initiative funds an increase of $44,966 ($37,460 ongoing and $7,506 one-time) to maintain memberships with the NVRC, including the Occoquan Watershed Management Program ($43,635) and No. Va. Waste Management Program ($1,331). NVRC is a regional council of local government in Northern Virginia and is a governmental agency within the Commonwealth. This increase is funded by Solid Waste and Stormwater Management Fees. There is no general fund impact.

b. Service Level Impacts – Maintaining membership in regional environmental programs enhances access to shared resources, technical assistance, and collaborative opportunities, thereby improving service delivery and promoting sustainable practices within the community.

14. Sign Shop Supplies – Sign Shop

Expenditure	$20,000
Cost Recovery	$20,000
Total Expenditure (Net)	$0
Revenue	$0
General Fund Impact	$0
FTE Positions	0.00

a. Description – This initiative Increases the sign supplies budget for the Sign Shop. Service requests from Fleet Management have increased. Fleet Management uses the Sign Shop for wrapping vehicles, which increases Sign Shop expenditures. These supplies and services are cost recovered. There is no general fund impact.

b. Service Level Impacts – Increasing the sign supplies budget ensures timely service request response and maintains service efficiency, preventing service disruptions.

Program Summary

Director's Office

Set department vision and expectations through regular strategic planning. Provide overall leadership and management oversight for all Public Works activities. Review department-related complex issues, assess community impact, and implement necessary process improvements.

Key Measures	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Key department program measures met	53%	59%	67%	65%	60%
Public Works Days Away Restricted or Transferred	5.02	2.10	2.75	4.00	3.88

Program Activities & Workload Measures *(Dollar amounts expressed in thousands)*	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Leadership & Management	**$1,391**	**$1,541**	**$2,005**	**$1,467**	**$1,388**
Financial Transactions (Purchase Orders, Payments)	5,034	4,368	4,831	4,700	4,834
Average Monthly Department Vacancies	29	36	28	30	20
BOCS agenda items	21	28	25	28	25

Stormwater Infrastructure Management

Ensure that the County's stormwater infrastructure complies with state and federal environmental regulations, standards, and policies, including County standards, the Chesapeake Bay TMDL, and the County's MS4 permit regulations, along with VSMP regulations. The program consists of the inspection of existing infrastructure, such as storm drain inlets, storm sewers, and stormwater management facilities within County easements, as well as major maintenance of County-maintained facilities to prevent flooding and protect local water quality and the Chesapeake Bay.

Key Measures	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
County-maintained facilities inspected	100%	100%	100%	97%	100%

Program Activities & Workload Measures *(Dollar amounts expressed in thousands)*	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Stormwater Infrastructure Management	**$4,213**	**$4,128**	**$1,152**	**$1,696**	**$1,350**
County-maintained facilities in inventory	1,034	1,038	1,057	1,055	1,075
Privately-maintained facilities in inventory	1,174	1,177	1,093	1,225	1,105

Site Development

Review all site and subdivision land development plans and document inspection of active construction sites to ensure compliance with environmental regulations, standards, and policies related to stormwater management, best management practices, erosion and sediment control, resource protection areas, floodplains, and geotechnical engineering.

Key Measures	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Site development plan submissions reviewed within County standards	99%	96%	98%	98%	98%
Lot grading plan submissions reviewed within 10 business days	100%	95%	99%	95%	95%

Program Activities & Workload Measures *(Dollar amounts expressed in thousands)*	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Plan Review	**$1,970**	**$2,070**	**$2,095**	**$2,366**	**$2,724**
Site development plan submissions reviewed	435	552	513	450	450
Lot grading lots reviewed	973	887	718	1,000	850
Site Inspections	**$1,692**	**$2,336**	**$2,343**	**$2,586**	**$2,671**
VSMP & erosion & sediment control inspections	21,041	19,567	24,289	22,000	22,000

Watershed Improvement

Ensure that the water quality of local streams within each of the County's watersheds follows environmental regulations, standards, and policies, including the Chesapeake Bay TMDL and the County's MS4 permit. The program focus is to prevent downstream and localized flooding impacts, protect water quality from illicit pollution discharges into the storm drainage system, prevent discharge of pollutants from industrial activities, and prevent sediment release associated with stream erosion, as well as the reduction of nitrogen, phosphorous, and sediment loads from stormwater runoff. The program includes the assessment of streams and other natural resources within each watershed, identification of problem areas, and implementation of water quality improvements. In addition, environmental education, outreach, and technical assistance to residents, both in urban areas as well as within the agricultural community, are components of this program.

Key Measures	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Linear feet of stream restorations completed	2,710	1,000	2,895	2,750	2,750

Program Activities & Workload Measures *(Dollar amounts expressed in thousands)*	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Watershed Management	**$4,782**	**$5,175**	**$6,376**	**$7,609**	**$10,183**
County outfalls monitored and inspected	877	711	708	700	700
Pounds of nitrogen reduction achieved	203	76	178	200	200
Tons of sediment reduction achieved	61	23	53	30	30
Pounds of phosphorus reduction achieved	194	69	204	180	180

Sign Shop

Inspect, fabricate, install, and maintain all street name signs as mandated by the Code of Virginia. In addition, the program produces high quality graphics for County vehicles and creates custom-designed original graphic designs for interior and exterior signs, banners, posters, and displays for County agencies, outside jurisdictions, and developers.

Key Measures	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Street signs completed within 10 days of request	98%	99%	98%	97%	97%

Program Activities & Workload Measures *(Dollar amounts expressed in thousands)*	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Street Name Signs	**$234**	**$260**	**$246**	**$299**	**$282**
Intersections requiring street name signs	7,435	9,129	9,213	7,500	9,213
Street name signs fabricated for maintenance	1,007	882	939	1,000	1,000
Signs and Graphics	**$28**	**($16)**	**$21**	**$24**	**$105**
Signs and graphics fabricated for revenue	12,015	8,987	9,262	10,000	10,000

Small Project Construction & Drainage Maintenance

Provide support for a variety of County projects, including Stormwater Management infrastructure maintenance and inspections, stream restorations, drainage improvements, and parks and transportation improvements. Provide support for Quantico per Intergovernmental Service Agreement, as well as Lake Jackson and Bull Run Mountain per Service District Roads Agreements.

Key Measures	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Community improvement projects completed within 10% of estimated cost	100%	96%	100%	97%	98%
Drainage infrastructure inspected (% of easement miles)	92%	79%	84%	75%	75%

Program Activities & Workload Measures *(Dollar amounts expressed in thousands)*	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Small Community Improvement Construction	**$2,412**	**$3,535**	**$7,142**	**$6,970**	**$6,929**
Drainage infrastructure projects completed/closed	450	580	238	450	350
Responsive to project estimate requests within 30 days	100%	93%	100%	100%	100%

Mosquito & Forest Pest Management

Survey, reduce, and manage mosquitoes and certain forest pest populations. Program objectives include minimizing mosquito-transmitted disease such as West Nile Virus and Zika Virus by reducing mosquito populations and breeding sites, minimizing tree defoliation and mortality caused by forest pests, and minimizing adverse environmental and human health impacts resulting from the treatment of these pests.

Key Measures	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Mosquito traps processed within 48 hrs to detect West Nile & Zika virus	100%	100%	100%	100%	100%
High priority mosquito habitat applications	83%	93%	90%	90%	90%
Citizen site visit requests responded to within 24 hours	96%	97%	99%	95%	95%
Spongy moth surveys conducted to determine if spraying is needed	1,073	1,050	891	750	750

Program Activities & Workload Measures *(Dollar amounts expressed in thousands)*	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Mosquito/Forest Pest Surveillance	**$856**	**$1,034**	**$1,358**	**$1,498**	**$1,620**
Larval mosquito habitat inspections	5,024	5,349	5,290	5,500	5,500
Pest Suppression	**$609**	**$515**	**$601**	**$730**	**$717**
Mosquito larvicide applications	817	1,033	1,129	1,000	1,000
Community engagement and outreach	42	50	48	50	50
Mosquito breeding and habitat sources reduced	90	106	91	100	100

Solid Waste

Provide integrated, efficient, and regulatory compliant solid waste management services to residents, institutions, and businesses in Prince William County and the Towns of Dumfries, Haymarket, Occoquan, and Quantico. Promote waste reduction, reuse, and recycling programs designed to extend the useful life of the landfill. Develop long-term plans for management of solid waste that maintain or improve service levels and ensure adequate infrastructure to accommodate future residential and commercial growth.

Key Measures	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
County-wide recycling rate	38%	38%	42%	36%	38%
Tons of waste buried at the landfill	371,494	341,183	334,843	370,000	350,000

Program Activities & Workload Measures *(Dollar amounts expressed in thousands)*	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Administration & Fiscal Management	**$3,296**	**$3,454**	**$3,066**	**$6,793**	**$5,985**
Residential and non-residential RE accounts processed (billed and non-billed)	152,415	153,213	153,877	154,000	154,500
Solid Waste Facility commercial billing accounts processed	108	97	57	110	60
Non-residential accounts processed	4,221	4,283	4,414	4,300	-
Yard & Food Waste Composting	**$4,419**	**$3,497**	**$2,869**	**$3,105**	**$1,789**
Tons of yard & food waste managed at Compost facility	38,336	64,403	57,309	60,000	60,000
Solid Waste Facilities Operation	**$14,834**	**$18,403**	**$27,907**	**$20,381**	**$22,011**
Tons rec'd from special Saturday collections for residential trash and recycling	861	819	966	840	950
Tons of household hazardous waste and e-waste collected	-	-	320	490	350
Customer transactions processed at Solid Waste facilities	658,512	596,561	571,254	640,000	580,000
Recyclable Materials Collection	**$504**	**$557**	**$420**	**$1,090**	**$1,105**
Tons of recyclables collected at customer convenience centers*	2,183	1,949	1,941	1,200	1,800
Revenue generated from sale of scrap metal	$1,061,016	$738,923	$756,174	$725,000	$725,000
Litter Control	**$0**	**($1)**	**$832**	**$2,171**	**$2,233**
Illegal signs removed from State right-of-way by Litter Crew	-	1,058	428	1,030	500
Lane miles cleaned	918	583	962	700	1,000
Landfill Closure	**$5,101**	**$24**	**$890**	**$0**	**$0**

*In FY25, "Tons of recyclables collected at customer convenience centers" no longer includes tons from special Saturday collections for residential trash and recycling.

Neighborhood Services

Promote a safe, clean, and healthy Community of Choice through education, community support, and Property Code Enforcement (PCE). Provide programs that encourage and empower residents and business owners to remain compliant with Property Code standards that result in a high quality of life within the County.

Key Measures	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Founded PCE cases resolved or moved to court action within 100 business days	91%	96%	94%	95%	95%
First inspection of complaint within five business days	95%	95%	96%	95%	95%
Average time to resolve cases (business days)	-	44	39	40	40

Program Activities & Workload Measures *(Dollar amounts expressed in thousands)*	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Litter Control	**$668**	**$645**	**($5)**	**$0**	**$0**
Landscaping	**$552**	**$458**	**$775**	**$1,083**	**$1,083**
Landscaping areas maintained	48	44	51	58	58
Acres of medians and rights-of-way maintained	234	234	234	250	250
Property Code Enforcement	**$2,369**	**$2,699**	**$3,035**	**$3,133**	**$3,616**
Illegal signs removed from State right-of-way by PCE	-	11,581	13,979	6,000	9,000
Total cases resolved	3,117	3,000	3,043	3,300	3,100
Total inspections conducted	8,783	8,558	8,734	9,400	8,900

Service Districts

Bull Run Roads Service District

The Bull Run Roads Service District supports via levy the maintenance of roads on Bull Run Mountain which do not meet State standards for acceptance in the State Maintenance System.

Lake Jackson Roads Service District

The Lake Jackson Roads Service District supports via levy the maintenance of roads in Lake Jackson which do not meet State standards for acceptance in the State Maintenance System.

Program Activities *(Dollar amounts expressed in thousands)*	FY22 Actuals	FY23 Actuals	FY24 Actuals	FY25 Adopted	FY26 Adopted
Bull Run Roads Service District	**$53**	**$190**	**$115**	**$200**	**$200**
Lake Jackson Roads Service District	**$204**	**$243**	**$195**	**$185**	**$185**

Appendix C

MS4 Program Plan Updates

FY26 MS4 Program Plan Updates

Prince William County conducts an annual review of its MS4 Program Plan to evaluate the effectiveness of the County's stormwater management program and ensure that the Plan continues to address applicable permit requirements and program needs. During the FY26 reporting period, the County completed its annual review of the MS4 Program Plan; however, no revisions or updates were necessary during this reporting year. The most recent update to the MS4 Program Plan was completed and submitted during the FY25 reporting year. A summary of the updates incorporated into the MS4 Program Plan during FY25 is provided below.

1. Expanded Use of Technology and Data Systems

FY25 Execution Change:

The FY25 Plan emphasizes enhanced use of EnerGov mobile inspection software for land disturbance, construction permits, and enforcement. Inspections are now tracked in real time with features for automated checklists, violation notices, and follow-ups, increasing consistency and accountability.

Difference from FY19:

While some mobile functionality existed in FY19, the tools were supplementary. In FY25, technology is fully integrated as a core compliance management system.

2. New Appendices and SOPs for Implementation

FY25 Execution Change:

The updated Plan includes detailed implementation appendices such as:

- Good Housekeeping SOPs
- Illicit Discharge Detection and Elimination Manual
- Local TMDL Implementation Plan

These define step-by-step procedures that staff must follow.

Difference from FY19:

FY19 appendices primarily served as reference documents. FY25 formalizes them into enforceable guidance tools, ensuring standardized execution across teams.

3. More Frequent and Structured Program Plan Updates

FY25 Execution Change:

The Plan requires annual review and categorization of updates:

- Additions or removals
- Routine changes
- Replacement of ineffective BMPs

Difference from FY19:

FY19 allowed informal updates. FY25 introduces a tiered, transparent update process that increases accountability and ongoing plan refinement.

4. Expanded Responsibilities with Third-Party Partnerships

FY25 Execution Change:

FY25 explicitly defines roles for Keep Prince William Beautiful, NVRC Clean Water Partners, PW Soil and Water Conservation District, and UOSA, among others. These partners assist in public education, outreach, and credit exchanges, but the County retains full compliance responsibility.

Difference from FY19:

FY19 acknowledged partnerships in general terms. FY25 codifies them in the plan, requiring more coordination, documentation, and oversight of partner-contributed efforts.

5. Clarified Monitoring Program Inclusion

FY25 Execution Change:

Floatables Monitoring and Biological Monitoring are now formally included in the Program Plan to improve clarity and consistency. These efforts are not new activities. They have been conducted in previous permit cycles but are now explicitly documented in the Plan.

Difference from FY19:

Previously unlisted in the official plan, these monitoring efforts are now standardized components of program execution, helping align field practice with plan documentation.

6. More Granular Control of Individual Lot BMPs

FY25 Execution Change:

The County must track, inspect, and maintain documentation for BMPs that serve

only individual residential lots. A maintenance strategy and tracking methodology must be reported annually.

Difference from FY19:
FY19 addressed these broadly. FY25 establishes specific operational responsibilities for lot-level BMP oversight, increasing post-construction compliance work.

Appendix D

Land Disturbance Summary

Land Plans with 2500 SqFt or more Disturbed Area with Land Permit Issued

07/01/2025 Through 06/30/2026

Plan Name / Plan Number / Permit Number	Parcel Number / Address	Developer / Owner	Phone	Disturbed Area	Plan Approval Date
13070 ADEN RD PWR2026-00005 LND2026-00019	7592-06-7437 13070 ADEN RD NOKESVILLE, VA 20181	ACNS & P2P	5714374042	0.203	07/28/2025
*** NO PLAN NAME ENTERED *** PWR2026-00006 LND2026-00024		RAMOS, ISMAELMARAVILLA		0.100	08/13/2025
PICCARD LANDING LOT 3 PWR2026-00009 LND2026-00030	8191-51-3323 4217 DIVIDED SKY CT WOODBRIDGE, VA 22193	MANSARAY, ABDUL & JOSEPHINE	7037860324	0.069	45875.605
MORALES RESIDENCE PWR2026-00011 LND2026-00043	7995-15-7726 9800 MONTYVILLE DR MANASSAS, VA 20111	MORALES, DUBLASO	7035084399	0.286	08/20/2025
SCHERTLER RESIDENCE PWR2026-00013 LND2026-00050	7593-28-4269 11890 TRAILSIDE TURN NOKESVILLE, VA 20181	SCHERTLER, PATRICK DAVID & RENEE MARIE	7032316618	0.344	08/29/2025
4116 SUDLEY ROAD PWR2026-00018 LND2026-00067	7300-00-9131 4116 SUDLEY RD HAYMARKET, VA 20169	GROVES, DAVIDWESLEY	5713402442	0.069	09/18/2025
*** NO PLAN NAME ENTERED *** PWR2026-00019 LND2026-00068	7593-34-9040 11980 PARKGATE DR NOKESVILLE, VA 20181	BAKIR, FAKHRI & PAMELA JEAN		0.096	09/19/2025
9805 MONTYVILLE DR PWR2026-00020 LND2026-00069	7995-25-2624 9805 MONTYVILLE DR MANASSAS, VA 20111	VEGA, AUGUSTO	5715989523	0.076	09/19/2025
19218 CARDINAL HEIGHTS RD PWR2026-00021 LND2026-00071	8287-29-4068 19218 CARDINAL HEIGHTS RD TRIANGLE, VA 22172			0.073	09/22/2025

Land Plans with 2500 SqFt or more Disturbed Area with Land Permit Issued

07/01/2025 Through 06/30/2026

Plan Name / Plan Number / Permit Number	Parcel Number / Address	Developer / Owner	Phone	Disturbed Area	Plan Approval Date
7079 CURRIE FARM DR PWR2026-00026 LND2026-00090	7297-45-0184 7079 CURRIE FARM DR HAYMARKET, VA 20169	BRENNAN, CHRISTOPHER & LYNDA		0.086	10/23/2025
14630 SULKY RUN COURT PWR2026-00028 LND2026-00095	7591-86-6110 14630 SULKY RUN CT NOKESVILLE, VA 20181	DUNN, MICHAEL & KARA		0.112	11/04/2025
13631 VAN DOREN ROAD PWR2026-00029 LND2026-00094	7992-45-3487 13631 VAN DOREN RD MANASSAS, VA 20112	SINGH, HARBHAJAN	7039867587	0.216	11/06/2025
*** NO PLAN NAME ENTERED *** PWR2026-00032 LND2026-00118	7992-90-3040 14452 ALPS DR WOODBRIDGE, VA 22193	EASTMAN, JERRY & ELIZABETH		0.220	01/05/2026
13432 CLASSIC OAKS COURT PWR2026-00036 LND2026-00125	7892-85-2984 13432 CLASSIC OAKS CT MANASSAS, VA 20112	CHOUDRY, QASIM	7035991717	0.106	01/06/2026
13825 KELLY GREEN WAY PWR2026-00038 LND2026-00133	7394-85-2348 13825 KELLY GREEN WAY NOKESVILLE, VA 20181	LEE, LOUIS & JESSICA	7039287629	0.717	01/13/2026
*** NO PLAN NAME ENTERED *** PWR2026-00043 LND2026-00139	7499-18-9439 4516 LOGMILL RD GAINESVILLE, VA 20155	FRANJIE, ALEXANDER & ELIZABETH		4.290	01/23/2026
*** NO PLAN NAME ENTERED *** PWR2026-00044 LND2026-00142	7792-99-9015 8612 SYCAMORE SPRINGS WAY MANASSAS, VA 20112	DOBBS, JOSHUA		0.078	01/30/2026

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*** NO PLAN NAME ENTERED *** PWR2026-00045 LND2026-00144	7200-59-3809 2790 MEANDER CREEK LN HAYMARKET, VA 20169	BECKMAN, CHRISTOPHER & KRISTINE	7034741469	0.462	02/02/2026
11532 ADEN RD PWR2026-00047 LND2026-00152	7493-99-1690 11532 ADEN RD NOKESVILLE, VA 20181	FAINT, JUSTIN		0.741	02/11/2026
*** NO PLAN NAME ENTERED *** PWR2026-00050 LND2026-00159	8194-23-9252 4517 EDWARD RD WOODBRIDGE, VA 22192	GARCIA, JOSEOSMEN		0.315	02/24/2026
*** NO PLAN NAME ENTERED *** PWR2026-00053 LND2026-00190	7299-47-4476 4496 DODDS MILL DR HAYMARKET, VA 20169	C.O.E.-CUSTOMIZED OFFICE ENTERPRISES	7034703533	0.260	03/09/2026
10354 SCHAEFFER LN PWR2026-00054 LND2026-00198	7494-79-7696 10354 SCHAEFFER LN NOKESVILLE, VA 20181	MUIRHEAD, WILLIAM	7037725557	0.140	04/20/2026
*** NO PLAN NAME ENTERED *** PWR2026-00056 LND2026-00182	7994-89-7939 6204 POSSUM TROT CT MANASSAS, VA 20112	POO, JOHNW		0.135	03/30/2026
Longlevel Acres Lot 28A Section 2 PWR2026-00057 LND2026-00185	7398-27-4078 6281 OLGA CT HAYMARKET, VA 20169			0.099	05/21/2026
14039 OWLS NEST RD PWR2026-00059 LND2026-00191	7395-61-2999 14039 OWLS NEST RD NOKESVILLE, VA 20181	GOUGH, KORY	5712515211	0.069	04/21/2026
TAYLORSTOWN MEADOWS LOT 13 PWR2026-00063	7200-59-3809 2790 MEANDER CREEK LN HAYMARKET, VA 20169	BLUE HAVEN POOLS		0.883	05/08/2026

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LND2026-00211					
6704 LEESA DAWN COURT PWR2026-00064	7993-52-4815 6704 LEESA DAWN CT MANASSAS, VA 20112	STANEKZAI, JAMILF	7034381285	0.383	05/07/2026
LND2026-00213					
*** NO PLAN NAME ENTERED *** PWR2026-00068	7693-21-6744 10631 FLORY RD NOKESVILLE, VA 20181	WINDLE, JAMES & SUSAN		0.068	05/26/2026
LND2026-00219					
CURRIE FARM AT VIRGINIA CROSSING LOT 80 PWR2026-00069	7297-15-9570 15694 CALUM CT HAYMARKET, VA 20169	HADDAD, KELINLYN		0.063	05/27/2026
LND2026-00223					
FOSTER HOME PWR2026-00070	7794-00-5714 11617 LUCASVILLE RD MANASSAS, VA 20112	FOSTER, TINA	7032007412	0.077	05/28/2026
LND2026-00225					
IDLEBROOK CT PWR2026-00072	7991-57-9110 14510 IDLEBROOK CT MANASSAS, VA 20112	ATKINSON, JEREMY	7037989725	0.103	06/02/2026
LND2026-00235					
*** NO PLAN NAME ENTERED *** PWR2026-00073	7494-85-0344 11021 ROUND HILL DR NOKESVILLE, VA 20181	LAMBERT, JAMES & DOLORES	7033985178	0.359	06/09/2026
LND2026-00239					
7709 BRANDON WAY PWR2026-00076	7697-71-7489 7709 BRANDON WAY MANASSAS, VA 20109	URBINA GARCIA, RAMONABEL	5713258260	0.079	06/12/2026
LND2026-00242					
CALDERON RESIDENCE PWR2026-00081	8192-18-1061 4785 KELLY RD WOODBRIDGE, VA 22193	CALDERSON, ANTONIO	7038437726	0.085	06/26/2026
LND2026-00252					

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HOADLY FALLS PHASE I SDR2016-00073 LND2026-00124	8093-54-3668 5500 PRINCE WILLIAM PKWY WOODBRIDGE, VA 22192	ARROYO CAP II-2 LLC		17.760	11/14/2025
UTTERBACK SECTION 1 SDR2023-00019 LND2026-00057	7398-18-6330 6330 OMLAND PL HAYMARKET, VA 20169	HAYMARKET RESIDENTIAL LLC	7038877380	38.540	07/02/2025
POTOMAC SHORES TOWN CENTER - BLOCK 5-3 SDR2024-00067 LND2026-00231	8389-52-6846 1800 POTOMAC SHORES PKWY DUMFRIES, VA 22026	J2, INC	7033611550	4.690	05/08/2026
OAKMONT SDR2024-00086 LND2026-00147	7298-95-4658 6100 JAMES MADISON HWY HAYMARKET, VA 20169	MILCO LLC		2.994	11/21/2025
BRADLEY SOUTH SDR2024-00092 LND2026-00027	7794-87-1236 10791 DUMFRIES RD MANASSAS, VA 20112	STANLEY MARTIN HOMES LLC	7513184994	10.870	07/23/2025
DEL WEBB AT HEATHCOTE VILLAGE - PHASE 2 SDR2025-00006 LND2026-00091 LND2026-00109	7298-53-7285 15400 HEATHCOTE BLVD HAYMARKET, VA 20169	THE ENGINEERING GROUPE, INC	70367009851156	17.780	10/15/2025
UTTERBACK SECTION 2 SDR2025-00008 LND2027-00001	7398-18-6130 6330 OMLAND PL HAYMARKET, VA 20169	HAYMARKET RESIDENTIAL LLC	7038877380	10.420	12/05/2025
BRISTOW CORNER SDR2025-00018 LND2026-00113	7594-28-8497 11920 NOKESVILLE RD BRISTOW, VA 20136	VAN METRE HOMES	7037645457	7.640	11/06/2025

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INNOVATION TOWN CENTER - SECTION 4 SDR2025-00019 LND2026-00112	7596-82-8888 8914 KATHERINE JOHNSON AVE MANASSAS, VA 20109	LAND DESIGN CONSULTANTS	7036804585	8.870	11/14/2025
REID'S PROSPECT SECTION 4 - LOTS 114A - 125A SDR2025-00037 LND2026-00224	8193-31-4757 4423 DAISY REID AVE WOODBRIDGE, VA 22192	REID'S PROSPECT PWC, LLC	7035384700	0.760	04/24/2026
BRIGHTWOOD FOREST PHASE 3 - SECTION 1 SDR2025-00040 LND2026-00081	8291-21-7856 15255 BALLERINA LOOP WOODBRIDGE, VA 22193	TAYLOE RIDGE LLC	7035901111	32.800	08/11/2025
INNOVATION TOWN CENTER - SECTION 3 SDR2025-00041 LND2027-00021	7596-82-8888 8914 KATHERINE JOHNSON AVE MANASSAS, VA 20109	STANLEY MARTIN HOMES, LLC		7.850	06/08/2026
QUARTZ DISTRICT - WEST NEIGHBORHOOD PHASE 3 SDR2025-00043 LND2026-00168	8192-83-1119 13920 MINNIEVILLE RD WOODBRIDGE, VA 22193	SOUTHERN KNOLLS LLC/ QUARTZ REAL ESTATE INVESTMENT I LLC	3014170510	15.710	01/21/2026
QUARTZ DISTRICT - EAST VILLAGE PHASE 1 - LANDBAY F SDR2025-00045 LND2026-00017	8192-94-1648.00 13749 COBBLE LOOP WOODBRIDGE, VA 22193	BUCHANAN PARTNERS, LLC	3016743803	14.060	07/18/2025
HARBOR RESERVE SDR2025-00046 LND2026-00038	8188-48-9462 17901 ALICIA AVE DUMFRIES, VA 22026	BEAZER HOMES LLC	7038957382	16.480	08/11/2025
GRAYSON OVERLOOK PHASE 1 SDR2025-00047 LND2027-00011	7297-62-8037 7505 OLD CAROLINA RD GAINESVILLE, VA 20155	AXIOM DEVELOPMENT GROUP	7032301985	40.290	06/17/2026
BRADLEY SOUTH - REVISION #1 SDR2026-00010	7794-87-1026 10785 RIVANNA HILL RD MANASSAS, VA 20112	STANLEY MARTIN HOMES LLC	7033467005	12.180	11/13/2025

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LND2026-00110					
QUARTZ DISTRICT - WEST NEIGHBORHOOD PHASE 2 SDR2026-00016	8192-93-7250 13804 MINNIEVILLE RD WOODBRIDGE, VA 22193	BUCHANAN PARTNERS, LLC	3016743803	4.840	12/18/2025
LND2027-00051					
GRAYSON OVERLOOK PHASE 1 - EARLY GRADING PLAN SDR2026-00022	7297-63-8136 7505 OLD CAROLINA RD GAINESVILLE, VA 20155	K. HOVANANIAN AT OLD CAROLINA, LLC	5714283216	40.630	01/12/2026
LND2026-00153					
QUARTZ DISTRICT - WEST NEIGHBORHOOD PHASE 1 SDR2026-00024	8192-83-1119 13920 MINNIEVILLE RD WOODBRIDGE, VA 22193	BUCHANAN PARTNERS, LLC	3016743803	16.020	12/17/2025
LND2026-00127					
ASHFORD GLEN - PHASE 1 SDR2026-00029	8292-96-8599 13304 TELEGRAPH RD WOODBRIDGE, VA 22192	TOLL BROTHERS INC	(301) 938-2281	28.590	01/12/2026
LND2026-00149					
HOADLY FALLS PHASE II SDR2026-00035	8093-63-7689 5431 CROSS LN WOODBRIDGE, VA 22192	K HOVNANIAN MID-ATLANTIC DIVISION, LLC	7038857321	0.230	04/15/2026
LND2026-00203					
BRISTOW CORNER SDR2026-00036	7594-28-8497 11920 NOKESVILLE RD BRISTOW, VA 20136	VAN METRE		7.640	03/20/2026
LND2026-00184					
BRISTOW CORNER SDR2026-00044		VAN METRE		10.860	04/27/2026
LND2026-00216					
LIGHTNER ROAD IMPROVEMENTS SPR2023-00071	7299-90-2784 14886 LIGHTNER RD HAYMARKET, VA 20169	PETERSON COMPANIES	7038877380	8.110	07/03/2025
LND2026-00063					

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MANASSAS POINT SPR2023-00209 LND2026-00097	7596-79-3589 11461 CONNECTIVITY DR MANASSAS, VA 20109	IRON MOUNTAIN DATA CENTERS, LLC	7035857425	34.750	10/01/2025
DAR AL NOOR MOSQUE EXPANSION SPR2023-00251 LND2026-00183	8093-51-4254 5404 HOADLY RD MANASSAS, VA 20112	MUSLIM ASSOCIATES OF VIRGINIA		7.870	11/24/2025
MANASSAS LOGISTICS CENTER - PHASE III SPR2023-00312 LND2027-00056	7594-79-8151 10535 BRISTOW RD BRISTOW, VA 20136	MANASSAS LOGISTICS LAND VENTURE, LLC	2147757639	36.010	02/10/2026
ASHLAND SQUARE PARCEL B SPR2023-00395 LND2026-00045	8090-58-8009 5351 ASHLAND VILLAGE SQ WOODBRIDGE, VA 22193	SAUL HOLDINGS LIMITED PARTNERSHIP		6.700	07/14/2025
PW PKWY./MINNIEVILLE RD. SPUI SPR2023-00396 LND2026-00146	8192-93-1868 13804 MINNIEVILLE RD WOODBRIDGE, VA 22193	PWCDOT	5712631214	24.960	01/14/2026
COSTCO WHOLESALE BUILDING ADDITION SPR2023-00422 LND2026-00121	7697-30-2206 10701 SUDLEY MANOR DR MANASSAS, VA 20109	COSTCO WHOLESALE	5717116041	1.950	11/20/2025
QUARTZ DISTRICT EAST MOT SPR2023-00427 LND2026-00035	8292-04-3728 13692 MINNIEVILLE RD WOODBRIDGE, VA 22193	QUARTZ REAL ESTATE INVESTMENT I, LLC	3014170510	14.510	08/06/2025
POTOMAC SHORES - SOUTHERN SHORES DR SPR2024-00237 LND2026-00167	8389-52-6846 1542 CHERRY HILL RD DUMFRIES, VA 22026	HARBOR STATION COMMUNITIES	7034931747	60.690	02/05/2026
PWC FIRE & RESCUE STATION 27 SPR2024-00292	8090-58-8360 15825 SPRIGGS RD WOODBRIDGE, VA 22193	PWC	7037926674	1.450	10/06/2025

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LND2026-00174					
THE STAR OF BETHLEHEM BAPTIST CHURCH SPR2024-00311	8188-91-1526 19070 BETHLEHEM CHURCH RD TRIANGLE, VA 22172	MILLER BROTHERS INC.	5403646300	2.030	11/03/2025
LND2026-00107					
ASHFORD GLEN - PUBLIC IMPROVEMENT PLAN SPR2024-00320	8392-06-0871 13310 TELEGRAPH RD WOODBRIDGE, VA 22192	WETLAND STUDIES AND SOLUTIONS		1.490	11/04/2025
LND2026-00111					
MDC 1-3 CENTER SPR2024-00329	7695-50-9420 10400 HARRY J PARRISH BLVD MANASSAS, VA 20110	CLOUDHQ	2026039738	51.360	01/16/2026
LND2026-00172					
11300 BRADEN DRIVE DEVELOPMENT SPR2024-00333	7596-80-4477 11300 BRADEN DR MANASSAS, VA 20109	ONKAR PROPERTIES LLC		3.800	09/19/2025
LND2026-00078					
POTOMAC SHORES - NATURAL TRAIL PLAN - PHASE 3 SPR2024-00343	8389-52-6846 1800 POTOMAC SHORES PKWY DUMFRIES, VA 22026	HARBOR STATION COMMUNITIES	7034931747	1.180	06/01/2026
LND2027-00013					
GAINESVILLE CROSSING DATA CENTER - BUILDING 4 SPR2024-00358	7497-55-7796 13746 UNIVERSITY BLVD GAINESVILLE, VA 20155	GCDC PURCHASER, LLC C/O AFFINIUS/USAA	4804066489	32.110	09/11/2025
LND2026-00099					
LND2026-00101					
WINDSOR OAKS SPR2024-00376	8192-95-1352 3695 ELM FARM RD WOODBRIDGE, VA 22192	LAND DESIGN CONSULTANTS	7036804585	8.795	09/10/2025
LND2026-00061					
MANASSAS CORPORATE CENTER - MCC-7 SPR2024-00380	7694-87-2108 10101 HARRY J PARRISH BLVD MANASSAS, VA 20110	UNICORN RETAIL LLC	7033934000	8.000	03/05/2026
LND2026-00179					

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INNOVATION TOWN CENTER - RECREATIONAL CENTER SPR2024-00422 LND2026-00079	7696-01-0782 9015 KATHERINE JOHNSON AVE MANASSAS, VA 20109	STANLEY MARTIN HOMES, LLC		2.550	08/28/2025
BALLS FORD ROAD CROSSING SPR2025-00001 LND2026-00228	7597-02-8150 12314 RANDOLPH RIDGE LN MANASSAS, VA 20109	CHEEMA REAL ESTATE, LLC		3.580	04/22/2026
I-95 COMMERCE CENTER SPR2025-00010 LND2026-00102	8290-10-4824 16781 INTERSTATE DR DUMFRIES, VA 22026	PANATTONI DEVELOPMENT COMPANY, INC.	7176499588	14.200	11/03/2025
HAYMARKET JUNCTION MOTOR VEHICLE FUEL STATION SPR2025-00018 LND2026-00104	7298-61-6215 6371 JOHN JAMES WAY HAYMARKET, VA 20169	ARCLAND PROPERTY COMPANY	2028189265	2.030	08/14/2025
RAILROAD ENERGY CENTER SPR2025-00036 LND2026-00134	7596-69-1425 8150 BETHLEHEM RD MANASSAS, VA 20109	KIMLEY-HORN AND ASSOCIATES, INC		5.600	11/20/2025
MANAPORT PLAZA MULTI-TENANT RESTAURANT SPR2025-00039 LND2026-00086	7696-76-9773 8443 SUDLEY RD MANASSAS, VA 20109	FMI MANAPORT LLC BY: FINMARC MANAGEMENTS INC		0.160	07/18/2025
HOME DEPOT GORDAN PLAZA SPR2025-00040 LND2026-00161	8492-07-1869 13271 GORDON BLVD WOODBRIDGE, VA 22191	THE HOME DEPOT	7703842864	12.100	12/22/2025
POTOMAC SHORES TOWN CENTER- BLOCK 4 KIDDIE ACADEMY SPR2025-00048 LND2026-00208	8389-44-6551 17350 HARRISON RIDGE DR DUMFRIES, VA 22026	HARBOR STATION COMMUNITIES, LLC	9148752738	1.590	10/27/2025
NVA05C DATA CENTER SPR2025-00052	7696-41-6757 8860 WELLINGTON RD MANASSAS, VA 20109	GORDON		10.950	08/12/2025

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LND2026-00044					
FLAGSHIP CARWASH BRAEMAR VA SPR2025-00055	7495-88-0915 9420 LINTON HALL RD BRISTOW, VA 20136	FLAGSHIP CARWASH	7034772717	1.440	01/15/2026
LND2026-00158					
GAINESVILLE 23, LLC SPR2025-00064	7397-53-9168 14100 WHITNEY RD GAINESVILLE, VA 20155	GAINESVILLE 23, LLC	5712326054	3.790	12/18/2025
LND2026-00150					
8760 VIRGINIA MEADOWS DRIVE SPR2025-00066	7596-13-8198 8760 VIRGINIA MEADOWS DR MANASSAS, VA 20109	CROWN JEWEL COMMERICAL LLC	7033074501	1.610	07/31/2025
LND2026-00073					
WALMART 1825-275 SPR2025-00069	7696-55-8752 8386 SUDLEY RD MANASSAS, VA 20109	WAL-MART REAL ESTATE BUSINESS TRUST	4796575576	0.430	07/23/2025
LND2026-00082					
WALMART 1852-244 SPR2025-00070	8292-61-5845 14000 WORTH AVE WOODBRIDGE, VA 22192	WAL-MART REAL ESTATE BUSINESS TRUST	4796575576	0.350	08/19/2025
LND2026-00116					
WALMART 3588-252 SPR2025-00071	8289-37-5811 17041 RICHMOND HWY DUMFRIES, VA 22026	BOHLER VA WARRENTON LOCAL ACCOUNT		0.410	10/23/2025
LND2026-00117					
BRISTOW CORNER PUBLIC IMPROVEMENT PLAN SPR2025-00073	7594-28-8497 11920 NOKESVILLE RD BRISTOW, VA 20136	VAN METRE HOMES	7033485800	0.695	03/18/2026
LND2026-00189					
ORCHARD BRIDGE PARK SITE IMPROVEMENTS SPR2025-00077	7897-36-4699 7215 CENTREVILLE RD MANASSAS, VA 20111	PWC DEPT OF PARK, REC & TOURISM		2.090	08/06/2025
LND2026-00046					

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ALDI GORDON PLAZA COMMERCIAL SITE PLAN SPR2025-00104 LND2026-00255	8492-07-1869 13271 GORDON BLVD WOODBRIDGE, VA 22191	GORDON PLAZA 0225, LLC	4104274478	2.500	04/02/2026
WALMART 3077 -282 SPR2025-00110 LND2026-00148	7298-62-4616 6530 TRADING SQ HAYMARKET, VA 20169	WAL-MART REAL ESTATE BUSINESS TRUST	4796575576	0.310	07/17/2025
NTT GLOBAL DATA CENTERS VA10 SPR2025-00115 LND2026-00039	7397-55-9794 14300 JOHN MARSHALL HWY GAINESVILLE, VA 20155	CLUNE CONSTRUCTION COMPANY LP		80.310	08/04/2025
JAMES MADISON MARKETPLACE SPR2025-00123 LND2026-00005	7298-42-7683 15500 JOHN MARSHALL HWY HAYMARKET, VA 20169	PAVILION BRISTOW, LLC	7045579267	7.060	07/02/2025
PARKRIDGE WEST SPR2025-00138 LND2026-00055	7597-96-3757 11380 BULLOCH DR MANASSAS, VA 20109	PARKRIDGE WEST OWNER LP	4042717769	10.850	08/27/2025
MANASSAS ADVENTIST PREPARATORY SCHOOL - ADDITION SPR2025-00174 LND2026-00130	7696-97-2578 8225 BARRETT DR MANASSAS, VA 20109	SEVENTH DAY ADVENTIST CHURCH	7038983297	0.940	11/04/2025
15560 JOHN MARSHALL HWY PUBLIC IMPROVEMENT PLAN SPR2025-00176 LND2026-00120	7298-42-7683 15560 JOHN MARSHALL HWY HAYMARKET, VA 20169	KIMLEY-HORN AND ASSOCIATES, INC.		0.060	09/30/2025
LIBERTY SELF STORAGE SPR2025-00184 LND2026-00140	7697-05-6469 10900 BALLS FORD RD MANASSAS, VA 20109	LIBERTY INVESTMENT PROPERTIES INC	4078830853	2.500	12/08/2025
BUILDING VA8/9 SPR2025-00187	7596-55-9338 7729 WELLINGTON RD MANASSAS, VA 20109	IRON MOUNTAIN DATA CENTERS, LLC	7247175606	13.250	09/03/2025

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LND2026-00060					
STARBUCKS AT PRINCETON WOODS SPR2025-00188	8289-26-5265 17050 RICHMOND HWY DUMFRIES, VA 22026	PW STARBUCKS LLC		0.540	12/09/2025
LND2026-00204					
MANASSAS TECH CENTER SPR2025-00222	7596-61-9286 8870 HORNBAKER RD MANASSAS, VA 20109	TA REALTY	6174762751	23.090	09/15/2025
LND2026-00089					
REID ENERGY CENTER SPR2025-00233	7495-10-9421 10311 REID LN NOKESVILLE, VA 20181	KIMLEY-HORN AND ASSOCIATES, INC		3.570	06/08/2026
LND2027-00009					
LAWSON AT TELEGRAPH SPR2025-00243	8292-83-1694 13704 TELEGRAPH RD WOODBRIDGE, VA 22192	LOC R.A. LAWSON LLC		4.500	11/04/2025
LND2026-00115					
INDUSTRY COURT IMPROVEMENTS SPR2025-00253	8391-95-0943 1250 FEATHERSTONE RD WOODBRIDGE, VA 22191	PWC TRANSPORTATION DEPARTMENT	7037927124	0.830	01/16/2026
LND2026-00165					
STONEBRIDGE BUILDINGS 13 AND 14 SITE PLAN SPR2025-00267	8291-84-7996 2401 OPITZ BLVD WOODBRIDGE, VA 22191	KIMCO REALTY	4432579589	0.740	12/16/2025
LND2026-00232					
WASHINGTON REID PRESCHOOL CENTER SPR2025-00268	8190-14-7171 16108 DUMFRIES RD DUMFRIES, VA 22025	PRINCE WILLIAM COUNTY PUBLIC SCHOOLS	7037908717	5.200	09/04/2025
LND2026-00076					
CATHARPIN RECREATIONAL PARK SPR2025-00293	7499-86-9877 12500 KYLE WILSON WAY CATHARPIN, VA 20143	PWC DEPT OF PARK, REC & TOURISM		2.520	08/05/2025
LND2026-00114					

Land Plans with 2500 SqFt or more Disturbed Area with Land Permit Issued

07/01/2025 Through 06/30/2026

Plan Name / Plan Number / Permit Number	Parcel Number / Address	Developer / Owner	Phone	Disturbed Area	Plan Approval Date
SMILETON DENTAL SPR2025-00294 LND2026-00151	7696-29-8723 8134 ASHTON AVE MANASSAS, VA 20109	JAYKI ENTERPRISES LLC	7032697951	0.186	09/08/2025
RIVERSIDE STATION BARRIER ARMS SPR2025-00313 LND2026-00243	8390-88-1569 14100 BIG CREST LN WOODBRIDGE, VA 22191	ASSET LIVING	6788525708	0.500	05/15/2026
CHICK-FIL-A BRISTOW SPR2025-00315 LND2026-00236	7595-83-3519 9939 SOWDER VILLAGE SQ MANASSAS, VA 20109	CHIC-FIL-A INC	8439910449	0.510	03/12/2026
NTT GLOBAL DATA CENTERS VA10 SPR2025-00316 LND2026-00058	7397-56-8403 14300 JOHN MARSHALL HWY GAINESVILLE, VA 20155	NTT GLOBAL DATA CENTER VA10, LLC	3479464736	80.310	09/03/2025
PRINCE WILLIAM COMMERCE CENTER SPR2025-00320 LND2026-00093	7895-24-2158 9875 LIBERIA AVE MANASSAS, VA 20110	ELEGANCE NAILS DAY SPA	7033450234	16.100	10/08/2025
PROJECT MANGO PHASE 3 SITE PLAN - REVISION #2 SPR2025-00344 LND2026-00162	7496-47-2405 13001 ROLLINS FORD RD BRISTOW, VA 20136	NOVA MANGO FARMS LLC C/O BOWMAN CONSULTING GROUP	7034432400	42.230	09/24/2025
POSSUM POINT SUBSTATION IMPROVEMENTS SPR2025-00347 LND2026-00066	8288-96-2368 19000 POSSUM POINT RD DUMFRIES, VA 22026	DOMINION ENERGY	8049298135	2.780	08/22/2025
HEATHCOTE MARKETPLACE - SPROUTS SITE PLAN SPR2025-00349 LND2026-00074	7298-92-4474 14891 HEATHCOTE BLVD HAYMARKET, VA 20169	BUCHANAN PARTNERS LLC		7.430	09/10/2025
THE REGENCY/ BROAD POINTE APARTMENTS SPR2025-00350	7595-84-4125 10001 SHALLOW CREEK LOOP MANASSAS, VA 20109	THE REGENCY (VA) OWNER LP	2135333769	0.150	07/14/2025

Land Plans with 2500 SqFt or more Disturbed Area with Land Permit Issued

07/01/2025 Through 06/30/2026

Plan Name / Plan Number / Permit Number	Parcel Number / Address	Developer / Owner	Phone	Disturbed Area	Plan Approval Date
LND2026-00234					
SUDLEY MANOR SQUARE - PAD 3 SPR2025-00354	7697-41-6415 7805 SUDLEY RD MANASSAS, VA 20109	SCHOOLS & TOWNSEND, P.C.	7033688001	1.160	11/12/2025
LND2026-00143					
STONEBRIDGE AT POTOMAC TOWN CENTER EAST BRIDGE SPR2025-00359	8291-94-2826 2401 OPITZ BLVD WOODBRIDGE, VA 22191	STONEBRIDGE PTC 2476 LLC C/O KIMCO REALTY CORPORATION		0.100	07/21/2025
LND2026-00033					
ASHLAND SQUARE PARCEL B SPR2025-00362	8090-58-8302 15835 SPRIGGS RD WOODBRIDGE, VA 22193	WALTER L. PHILLIPS INC	7035326163	6.550	12/18/2025
LND2026-00163					
USTA NORTH SPR2025-00363	7696-31-9262 9005 FREEDOM CENTER BLVD MANASSAS, VA 20110	SI NVA05B LLC	9132420683	16.290	03/16/2026
LND2026-00187					
BRENSTVILLE DISTRICT HS - CHILLER & BOILER PLANT SPR2025-00364	7493-86-8825 12109 ADEN RD NOKESVILLE, VA 20181	PRINCE WILLIAM COUNTY SCHOOLS		0.170	07/14/2025
LND2026-00009					
PWCPS FRED LYNN MIDDLE SCHOOL RENOVATIONS SPR2025-00368	8392-63-2430 1650 PRINCE WILLIAM PKWY WOODBRIDGE, VA 22191	PWC SCHOOL BOARD ATTN: SUPERVISOR		3.420	12/01/2025
LND2026-00122					
DVA-6 PHASE 5 (OLENDER STATION) SPR2025-00375	8092-12-4102 14051 SPRIGGS RD WOODBRIDGE, VA 22193	KEYSTONE CONSULTANTS, LLC.	7038955857	0.320	09/11/2025
LND2026-00085					
HEATHCOTE MARKETPLACE - NORTH SITE PLAN SPR2025-00380	7298-93-9607 14890 HEATHCOTE BLVD HAYMARKET, VA 20169	BUCHANAN PARTNERS LLC		5.820	09/17/2025
LND2026-00075					

Land Plans with 2500 SqFt or more Disturbed Area with Land Permit Issued

07/01/2025 Through 06/30/2026

Plan Name / Plan Number / Permit Number	Parcel Number / Address	Developer / Owner	Phone	Disturbed Area	Plan Approval Date
INNOVATION EXECUTIVE CENTER - MANASSAS DC-6 SPR2025-00381 LND2026-00059	7695-47-3376 9540 GODWIN DR MANASSAS, VA 20110	QTS DATA CENTERS	2404404284	9.650	07/15/2025
NOKESVILLE K-8 SCHOOL CLASSROOM ADDITION SPR2025-00391 LND2026-00129	7493-85-8808 12375 ADEN RD NOKESVILLE, VA 20181	PRINCE WILLIAM COUNTY PUBLIC SCHOOLS	7037908717	3.250	12/23/2025
VAUGHAN ELEMENTARY SCHOOL RENOVATION & ADDITION SPR2025-00401 LND2026-00135	8392-12-5494 2200 YORK DR WOODBRIDGE, VA 22191	PRINCE WILLIAM COUNTY PUBLIC SCHOOLS	5717199313	9.150	01/12/2026
QUARTZ DISTRICT WEST MOT SPR2025-00402 LND2026-00062	8192-93-7450 13804 MINNIEVILLE RD WOODBRIDGE, VA 22193	BUCHANAN PARTNERS, LLC	3016743803	64.070	08/25/2025
PRAYER GARDEN SPR2026-00004 LND2026-00156	7495-98-6680 9535 LINTON HALL RD BRISTOW, VA 20136	BENEDICTINE SISTERS OF VA INC	5714282502	1.500	12/01/2025
MANASSAS TECH CENTER PHASE 2 SPR2026-00022 LND2027-00037	7596-72-6227.00 8870 HORNBAKER RD MANASSAS, VA 20109	KIMLEY-HORN	8434467348	20.480	06/25/2026
ASHLAND SQUARE - PARCEL A SPR2026-00032 LND2026-00237	8090-58-0729 5545 FINCASTLE DR MANASSAS, VA 20112	SAUL HOLDINGS LIMITED PARTNERSHIP	3019866363	8.300	04/08/2026
PROJECT GAINESVILLE SPR2026-00035 LND2026-00206	7497-41-7199 5945 WELLINGTON RD GAINESVILLE, VA 20155	AMAZON DATA SERVICES INC		47.810	11/26/2025
DDC9 - DOCK SLOPE SPR2026-00042	7497-04-8673 5533 WELLINGTON RD GAINESVILLE, VA 20155	VMC CONTRACTING	7039411540	0.610	06/27/2026

Land Plans with 2500 SqFt or more Disturbed Area with Land Permit Issued

07/01/2025 Through 06/30/2026

Plan Name / Plan Number / Permit Number	Parcel Number / Address	Developer / Owner	Phone	Disturbed Area	Plan Approval Date
LND2027-00016					
SMITH CROSSING PUBLIC IMPROVEMENT SPR2026-00054	7498-25-0890 5770 ARTEMUS RD GAINESVILLE, VA 20155	STANLEY MARTIN HOMES LLC		40.370	12/09/2025
LND2026-00123					
USTA NORTH SPR2026-00067	7696-31-9262 9005 FREEDOM CENTER BLVD MANASSAS, VA 20110	SI NVA05B LLC	9132420683	0.220	11/21/2025
LND2026-00108					
BARRACKS ROW AT QUANTICO SPR2026-00111	8189-68-4251 4125 TALON DR DUMFRIES, VA 22025	BARRACKS ROW AT QUANTICO LLC	7032211022	1.674	03/31/2026
LND2026-00193					
ASHFORD GLEN - PHASE 2 - Early Grading Plan SPR2026-00124	8292-97-2891 13065 MINNIEVILLE RD WOODBRIDGE, VA 22192	TOLL BROTHERS	7033033811	10.480	06/09/2026
LND2027-00031					
ADAMS GAINESVILLE CENTER - PHASE 1 SPR2026-00140	7495-70-6497 12655 VINT HILL RD NOKESVILLE, VA 20181	ADAMS GREATER GAINESVILLE LLC	6462041494	8.570	01/05/2026
LND2026-00126					
LOCUST SHADE DAM ALTERATION – PHASE 1 SPR2026-00159	8188-13-1748 4701 LOCUST SHADE DR TRIANGLE, VA 22172	PRINCE WILLIAM COUNTY DEPARTMENT OF PARKS AND RECREATION	(571) 719-0720	0.570	05/06/2026
LND2027-00007					
WOODBRIDGE MIDDLE SCHOOL RENOVATIONS SPR2026-00181	8392-12-2120 2201 YORK DR WOODBRIDGE, VA 22191	PRINCE WILLIAM COUNTY PUBLIC SCHOOLS	5717199313	1.060	05/15/2026
LND2026-00241					
DVA-6 PHASE 5 (MINNIEVILLE STATION) SPR2026-00182	8091-54-3247 14893 ABILENE WAY WOODBRIDGE, VA 22193	KEYSTONE CONSULTANTS, LLC.	7038955857	0.220	04/28/2026
LND2026-00215					

Land Plans with 2500 SqFt or more Disturbed Area with Land Permit Issued

07/01/2025 Through 06/30/2026

Plan Name / Plan Number / Permit Number	Parcel Number / Address	Developer / Owner	Phone	Disturbed Area	Plan Approval Date
JIFFY LUBE LIVE - CITI VIP CLUB SPR2026-00219 LND2026-00199	7497-30-1758 7800 CELLAR DOOR DR BRISTOW, VA 20136	BOWMAN CONSULTING	7034649470	0.070	04/09/2026
I-95 COMMERCE CENTER SPR2026-00220 LND2026-00209	8290-10-5306 16781 INTERSTATE DR DUMFRIES, VA 22026	CRP/PG INTERSTATE DRIVE INDUSTRIAL OWNER, LLC	3417537967	14.510	04/07/2026
ASHFORD GLEN - PHASE I SPR2026-00223 LND2027-00028	8292-96-8599 13304 TELEGRAPH RD WOODBRIDGE, VA 22192	TOLL MID-ATLANTIC LP COMPANY INC		0.380	04/23/2026
MANAPORT PLAZA MULTI-TENANT RESTAURANT SPR2026-00226 LND2026-00169	7696-76-9773 8443 SUDLEY RD MANASSAS, VA 20109	FMI MANAPORT LLC BY: FINMARC MANAGEMENTS INC		0.190	03/06/2026
INNOVATION EXECUTIVE CENTER - MANASSAS DC-6 SPR2026-00242 LND2026-00217	7695-47-3376 9540 GODWIN DR MANASSAS, VA 20110	QTS DATA CENTERS		10.780	04/06/2026
UNITY REED HIGH SCHOOL PRACTICE FIELD SPR2026-00243 LND2026-00233	7696-53-0246 8820 RIXLEW LN MANASSAS, VA 20109	PWCS		3.430	05/14/2026
WOODBRIDGE MOBILE HOME PARK PI PLAN SPR2026-00263 LND2026-00222	8292-86-4561 13145 MINNIEVILLE RD WOODBRIDGE, VA 22192	WOODBRIDGE MHP, LLC	3053943333	7.318	05/19/2026
8760 VIRGINIA MEADOWS DRIVE SPR2026-00268 LND2026-00244	7596-13-8198 8760 VIRGINIA MEADOWS DR MANASSAS, VA 20109	CROWN JEWEL COMMERICAL LLC	7033074501	1.620	06/08/2026
VAUGHAN ELEMENTARY SCHOOL RENOVATION & ADDITION SPR2026-00276	8392-12-5494 2200 YORK DR WOODBRIDGE, VA 22191	PWCS		9.950	04/17/2026

Land Plans with 2500 SqFt or more Disturbed Area with Land Permit Issued

07/01/2025 Through 06/30/2026

Plan Name / Plan Number / Permit Number	Parcel Number / Address	Developer / Owner	Phone	Disturbed Area	Plan Approval Date
LND2026-00200					
DEL WEBB AT HEATHCOTE VILLAGE WATERLINE EXTENSION SPR2026-00306	7298-54-1281 15450 HEATHCOTE BLVD HAYMARKET, VA 20169	PULTE GROUP		0.270	06/09/2026
LND2027-00024					
GAINESVILLE 23, LLC SPR2026-00324	7397-53-9168 14100 WHITNEY RD GAINESVILLE, VA 20155	GAINESVILLE 23, LLC	5712326054	3.790	06/12/2026
LND2026-00249					
NTT GLOBAL DATA CENTER VA10 SPR2026-00342	7397-56-8403 14300 JOHN MARSHALL HWY GAINESVILLE, VA 20155	NTT GLOBAL DATA CENTER VA10, LLC	3479464736	80.310	06/18/2026
LND2027-00018					
LIBERTY SELF STORAGE SPR2026-00356	7697-05-6870 10900 BALLS FORD RD MANASSAS, VA 20109	LIBERTY INVESTMENT PROPERTIES		2.320	06/10/2026
LND2027-00019					
NOKESVILLE K-8 SCHOOL CLASSROOM ADDITION SPR2026-00358	7493-85-8808 12375 ADEN RD NOKESVILLE, VA 20181	PRINCE WILLIAM COUNTY PUBLIC SCHOOLS	5717199313	3.240	06/15/2026
LND2026-00251					

Total Number of Land Plans: 160

Total Number of Disturbed Acres: 1,458.263

END OF REPORT

Appendix E

Virginia Erosion and Stormwater

Management Program Implementation Summary

FY26 Stormwater Management and Erosion & Sediment Control Program Summary

Executive Summary

Prince William County continues to implement comprehensive Erosion & Sediment Control (E&S) and Stormwater Management (SWM) programs in accordance with state and federal regulations. These efforts support sustainable development while protecting water quality, minimizing flood risks, and ensuring compliance with state and federal environmental standards.

Regulatory Compliance

Erosion & Sediment Control Program

The County's E&S Program is administered in accordance with:
- Virginia Erosion and Sediment Control Law (§62.1-44.15:51, Code of Virginia)
- Virginia Erosion and Sediment Control Regulations (9VAC25-840 et seq.)

E&S permits are required for land-disturbing activities exceeding 2,500 square feet. Prince William County's program has been audited and found compliant by:
- DEQ (November 2017)
- EPA (August 2019)

Stormwater Management Program

The SWM Program complies with:
- Virginia Stormwater Management Act (§62.1-44.15:24)
- VSMP Regulations (9VAC25-870 et seq.)
- County Code Chapter 23.2, Article IV
- Design & Construction Standards Manual (DCSM), Section 700

The County's requirements align with state criteria for prior developed lands and include more stringent flood control standards in critical watersheds, based on regulatory exemptions and watershed studies.

Enhanced Local Requirements

Prince William County has retained and enforces stricter stormwater controls in designated areas:
- 25-Year Storm Control: Required in critical watersheds to prevent localized flooding.
- 100-Year Storm Control: Required upstream of residential developments with lot sizes under one acre and adjacent to flood hazard areas.

These requirements are in addition to state-mandated 2- and 10-year storm controls.

Staffing and Certification

- Site Inspectors: 11 full-time certified inspectors
- Plan Review Engineers: 5 full-time certified engineers
- Program Manager: Oversees E&S implementation

All required staff are certified in E&S and SWM and expected to maintain certification as a condition of employment. Ongoing training and professional development are prioritized. See Appendix T of this annual report for detailed certification records.

Program Administration

The Environmental Management Division of the Department of Public Works administers E&S and SWM programs.

- Land Disturbance Permits: Issued only to Responsible Land Disturbers (RLD-certified)
- Internal Coordination: Regular joint meetings are held between plan reviewers and inspectors to improve processes and ensure consistent application of regulations.

Compliance Tracking Methods

The County has developed and deployed a mobile application for E&S and VSMP inspections. Key features include:

- On-site inspection checklists
- Violation tracking
- Follow-up documentation

This technology, used via tablet devices issued to inspectors, increases efficiency and ensures uniformity across inspections.

Post-Construction Stormwater Management

Prince William County maintains a post-construction program focused on the long-term operation and maintenance of stormwater controls:

- County-owned Facilities: Inspected annually
- Privately-maintained Facilities: Inspected at least once every 5-year MS4 permit cycle
- Enforcement: Inspection reports detail deficiencies and required corrective actions; enforcement includes follow-up inspections and, when necessary, legal action.

Conclusion

Prince William County is committed to protecting water quality and reducing flood risks through the effective and compliant implementation of its Stormwater Management and Erosion & Sediment Control Programs. With well-trained staff, enhanced regulations, and the integration of innovative tools, the County ensures consistent, efficient, and responsible land development oversight.

Appendix F

Chesapeake Bay Action Plan

Implementation Summary

FY26 Chesapeake Bay Watershed TMDL Action Plan Implementation

Prince William County submitted the required Phase I Chesapeake Bay TMDL Action Plan (TMDL Action Plan) on December 16, 2016, which was subsequently approved on June 28, 2017. The County also submitted Phase II of the plan on January 10, 2025, and Phase III of the plan on June 30, 2026. The Chesapeake Bay TMDL Action Plan documents how the County intends to meet the requirements of the Chesapeake Bay Special Condition included in the MS4 Permit.

In Section I.D.1, Chesapeake Bay Special Condition, the County is required to document the means and methods that will be utilized to meet the required reductions of specific Pollutants of Concern (POCs) allocated in the Special Condition of the Commonwealth of Virginia's Chesapeake Bay Total Maximum Daily Load (TMDL) Watershed Implementation Plans (WIPs). These reductions are based on the Level 2 (L2) scoping run of the Chesapeake Bay Watershed Model for existing developed lands (pervious and impervious regulated urban lands developed prior to July 1, 2009). Level 2 implementation equates to an average reduction of 9% of nitrogen loads and 16% of phosphorous loads from impervious regulated areas and 6% of nitrogen loads and 7.25% of phosphorous loads from pervious regulated acres beyond the 2009 progress run loadings.

As part of this effort, Virginia Department of Environmental Quality (VADEQ) has committed to a phased approach for MS4 permittees to implement necessary reductions. Permittees will have up to three, five-year permit cycles to achieve the required reductions. Prince William County's first permit cycle (December 17, 2014 – December 16, 2019) represents implementation of 5% of the L2 as specified in the 2010 Phase I WIP. The second permit cycle will require an additional 35% of total L2 reductions (40% cumulative), while the implementation of the remaining 60% of reductions (100% cumulative) will be required by 2028.

The total reductions achieved during the first and second permit phase, as identified in the approved Action Plan, are listed in Table 1. The table also identifies the percentage of the L2 scoping run reductions that have been achieved after implementation of the Action Plan.

Table 1 – First and Second Permit Phase Achieved Reductions

Pollutant of Concern	1st Permit Phase Load Reductions (lbs/yr)	2nd Permit Phase Load Reductions (lbs/yr)	Percentage of L2 Reduction Achieved After Implementation
Total Nitrogen (TN)	6,706.58	4,099.42	54%
Total Phosphorus (TP)	1,370.40	1,563.60	133%

Prince William County has a comprehensive watershed improvement program, which aims to improve water quality through the implementation of water quality improvement projects such as stormwater facility retrofits, stream restorations, and reforestation projects.

The County is required to select seven projects to implement during the 5-year permit cycle from January 2024 to January 2029. The County has selected nine projects to be completed within the 5-year permit cycle to meet the Chesapeake Bay TMDL reduction requirements. Please refer to Table 2 for a list of these projects, both completed and planned.

Table 2 – Projects Selected for 5-year Permit Cycle

Completed				
Project Name	**BMP Type**	**Installation FY**	**TN**	**TP**
Powells Creek Phase 2	Stream Restoration	2025	599	246
Chinn Park SWM	SWM Retrofit	2026	329	27
Chinn Park Stream	Stream Restoration	2026	307.19	84.93
Planned				
Project Name	**BMP Type**	**Installation FY**	**TN**	**TP**
Upper Dewey's P1	Stream Restoration	2027	5555.7	626.53
SWM #602	SWM Retrofit	2027	351.41	11.35
Middle Dewey's P1	Stream Restoration	2027	746.4	276.33
SWM #416	SWM Retrofit	2027	316.9225	34.34
Lake Drive Outfall Stabilization	Stream Restoration	2028	83.76	25.65
Upper Dewey's Phase 2	Stream Restoration	2028	2542.18	414.16

Two projects were implemented during the FY26 reporting period to meet the Chesapeake Bay TMDL requirements, Chinn Park Stream Restoration and Chinn Park SWM Facility Retrofit. The SWM facility retrofit converted an existing extended dry retention pond to incorporate continuous monitoring and adaptive control (CMAC). Please refer to Table 3 for reduction information for these projects.

Table 3 – Projects Implemented in FY26 Reporting Period

Project Name	Reduction TN	Reduction TP	Project Type	Implementation FY
Chinn Park Stream Restoration	307	85	Stream	2026
Chinn Park SWM	329	27	Retrofit	2026

Based on the reductions achieved through implementation of the water quality improvement projects identified in the approved TMDL Action Plan, Table 4 summarizes the cumulative progress toward meeting compliance targets. The permit requires that 100% of the L2 reductions be achieved by June 30, 2028, during the third permit cycle. As shown in the table below, the County is working towards meeting this requirement, and projects meeting it by the 2028 due date.

Table 4 – Cumulative Progress Toward Meeting Compliance Targets

Pollutant of Concern	FY26 Reductions (lbs/yr)	Total Reductions to Date (lbs/yr)	Percent of L2 Reduction Achieved to Date
Total Nitrogen (TN)	636	10,806	54%
Total Phosphorus (TP)	112	2,934	133%

All projects that have been implemented to date have been reported to the DEQ BMP Warehouse.

During the next reporting period, four projects are planned for implementation. Please refer to Table 5 for the planned pollutant reductions associated with these projects.

Table 5 - Planned Projects for FY27 Implementation

Project Name	Project Type	TN Reduction (lbs/yr)	TP Reductions (lbs/yr)
Upper Dewey's Phase 1	Stream Restoration	5,556	627
Middle Dewey's Phase 1	Stream Restoration	746	276
SWM Facility #416	SWM Retrofit	317	34
SWM Facility #602	SWM Retrofit	351	11
Total		**6,970**	**948**

The following table shows a comprehensive list of completed projects organized by implementation year. These projects have been successfully implemented and used to calculate the pollutant load reductions achieved to date.

Project Name	BMP Type	Installation FY	TN	TP
Historical Credits	Historic	2009	4595	430
SWM Facility #257	SWM Retrofit	2010	5.777436268	0.246825963
Cow Branch Phase I	Stream Restoration	2011	65.773	59.636
Innovation - Area 1D	Land Use Change	2011	1.33892	0.07106
Pond 51 - Hammill Mill Park SWMF	SWM Retrofit	2011	10.36856334	0.511765324
SWM Facility #154 - Dawson Ridge	SWM Retrofit	2011	10.18798207	0.51552839
SWM Facility #157 - Dawson Ridge	SWM Retrofit	2011	6.821259641	0.332444768
Ben Lomond Park Area A	Land Use Change	2012	0.9129	0.04845
Cow Branch Phase II	Stream Restoration	2012	43.724	39.644
Lower Cabin Run	Stream Restoration	2012	78.4	72.39
Ben Lomond Park Area B	Land Use Change	2013	23.18766	1.23063
Ben Lomond Park Area C	Land Use Change	2013	1.39978	0.07429
Deerfield Estates	Stream Restoration	2013	14.348	13.005
Northgate	Stream Restoration	2013	19.125	17.34
SWM Facility #318	SWM Retrofit	2013	24.61004147	1.081660625
SWM Facility #363	SWM Retrofit	2013	49.59535272	2.339267019
SWM Facility #494	SWM Retrofit	2013	82.45242544	11.66010754
Sudley Place Reforestation	Land Use Change	2014	19.29262	1.02391
SWM Facility #505	SWM Retrofit	2014	23.91560846	1.154988502
SWM Facility #77	SWM Retrofit	2014	60.56804853	2.056866507
SWM/BMP Facilities New Sources	SWM/BMP	2014	363.3	36.46
Ben Lomond Park Area D	Land Use Change	2015	0.73032	0.03876
Cow Branch Phase III	Stream Restoration	2015	38.998	35.36
Hope Hill Crossing	Land Use Change	2015	30.97774	1.64407
Oak Street	Stream Restoration	2015	12.75	11.56
SWM Facility #98	SWM Retrofit	2015	11.75150068	0.629371209
SWM Facility #99	SWM Retrofit	2015	27.46103127	3.180330187
Garner Drive	Land Use Change	2016	2.4344	0.1292
Hunter Ridge Estates Area A	Land Use Change	2016	34.3859	1.82495
Hylbrook Park	Stream Restoration	2016	80.835	73.287
Leesylvania Living Shoreline 1	Living Shoreline	2016	44.489	2.70385
Bristoe Station Battlefield Phase 1	Land Use Change	2017	85.14314	4.51877
Dewey's Creek Reach 4	Stream Restoration	2017	34.425	31.212
East Longview - Route 1 Restoration	Stream Restoration	2017	22.52	50.96
Hunter Ridge Estates Area B	Land Use Change	2017	28.9085	1.53425
Reach 5	Stream Restoration	2017	147.26	141.55
SWM Facility #28	SWM Retrofit	2017	52.40624921	4.361135917
Bristoe Station Battlefield Phase 2	Land Use Change	2018	27.387	1.4535
Dewey's Creek Reach 1	Stream Restoration	2018	479.4	232.05
SWM Facility #109	SWM Retrofit	2018	136.24721	10.17512654
SWM Facility #147	SWM Retrofit	2018	54.40477761	5.219669554
SWM Facility #489	SWM Retrofit	2018	128.8332834	6.560671858
Lake Drive Reforestation	Land Use Change	2019	7.16	0.38

Dewey's Creek Reach 2 & 3	Stream Restoration	2020	1953.3	1048.9
SWM Facility #424	SWM Retrofit	2020	185.0541135	26.537
Bristoe Station Battlefield Phase 3	Land Use Change	2021	62.0755	3.298
SWM Facility #232	SWM Retrofit	2021	40.4515	3.587
Powells Creek Phase 1	Stream Restoration	2022	443.68	205.12
SWM Facility #386	SWM Retrofit	2022	53.635	8.4745
Powells Creek Phase 2	Stream Restoration	2024	599.27	246.14
Chinn Park SWM	SWM Retrofit	2025	329.137	26.7155
Chinn Park Stream	Stream Restoration	2025	307.19	84.93
Totals			**10962.79976**	**2964.85745**

Appendix G

County-Maintained Roadways and Parking Lots

County-Maintained Roads

Street Number	Street Name	Street Type	Description	Parcel Acreage	Road Linear Ft	Road Miles	Road Acres	BMP On Site?	Road Acres Treated	Road Acres Not Treated	Road Miles Treated	Road Miles Not Treated
1721	Carter	Ln	Hammill Mill Park Pool	8.214	340	0.064	0.161	No	0.000	0.161	0.000	0.064
2201	Opitz	Blvd	Potomac Regional Library	3.778	174	0.033	0.116	No	0.000	0.116	0.000	0.033
4100	Exeter	Dr	Brittany Park	5.516	175	0.033	0.093	No	0.000	0.093	0.000	0.033
4450	Waterway	Dr	Ann Moncure Wall Park	13.802	684	0.130	0.331	No	0.000	0.331	0.000	0.130
4925	Catharpin	Rd	Lawnvale Estates Sec 2 R/W Private Road	1.216	924	0.175	0.519	No	0.000	0.519	0.000	0.175
5901	Antioch	Rd	Fire Station Antioch Rd/Dominion Valley	3.800	1036	0.196	0.793	No	0.000	0.793	0.000	0.196
7500	Ben Lomond	Dr	Ben Lomond Park	240.607	1584	0.300	0.902	No	0.000	0.902	0.000	0.300
8051	Ashton	Ave	Bull Run Library	4.177	480	0.091	0.299	No	0.000	0.299	0.000	0.091
9901	Balls Ford	Rd	Mayhew Sports Complex	48.896	237	0.045	0.108	No	0.000	0.108	0.000	0.045
10604	Bristow	Rd	Bristoe Battlefield Heritage Park	133.384	755	0.143	0.377	No	0.000	0.377	0.000	0.143
11000	Crestwood	Dr	Rosemount Lewis Park	9.600	29	0.006	0.015	No	0.000	0.015	0.000	0.006
11930	Valley View	Dr	Valley View Park	125.626	2716	0.514	1.431	No	0.000	1.431	0.000	0.514
12380	Cotton Mill	Dr	Lake Ridge Marina	2.860	335	0.063	0.194	No	0.000	0.194	0.000	0.063
13065	Chinn Park	Dr	Chinn Park Complex	14.736	596	0.113	0.339	No	0.000	0.339	0.000	0.113
13101	Public Safety	Dr	Public Safety Training Facility Pcl A	25.052	1648	0.312	1.270	No	0.000	1.270	0.000	0.312
13161	Public Safety	Dr	Public Safety Tranining Facility Pcl B	8.276	215	0.041	0.154	No	0.000	0.154	0.000	0.041
13499	Hillendale	Dr	John Jenkins Park	21.886	457	0.087	0.261	No	0.000	0.261	0.000	0.087
13850	Church Hill	Dr	Community Center	5.086	158	0.030	0.025	No	0.000	0.025	0.000	0.030
14012	Dawson Beach	Rd	Community Center	6.230	1350	0.256	0.529	No	0.000	0.529	0.000	0.256
14631	Vint Hill	Rd	Prince William Golf Course	165.000	2281	0.432	1.216	No	0.000	1.216	0.000	0.432
14945	Richmond	Hwy	Hilda Barg Homeless Center	5.065	497	0.094	0.292	No	0.000	0.292	0.000	0.094
14998	Birchdale	Ave	Station 10 VFD Fire Station	0.836	78	0.015	0.016	No	0.000	0.016	0.000	0.015
15011	Birchdale	Ave	Birchdale Park	4.146	50	0.009	0.014	No	0.000	0.014	0.000	0.009
15150	Cloverdale	Rd	Cloverdale Park	30.190	987	0.187	0.460	No	0.000	0.460	0.000	0.187
15520	Blackburn	Rd	Rippon Lodge Historical Park	42.452	813	0.154	0.385	No	0.000	0.385	0.000	0.154
15800	Silver Lake	Rd	Silver Lake Park	0.000	3337	0.632	2.023	No	0.000	2.023	0.000	0.632
16198	Silver Lake	Rd	Silver Lake Equestrian Center	43.753	2206	0.418	1.493	No	0.000	1.493	0.000	0.418
1	County Complex	Ct	McCoart & Development Svcs Bldg	40.676	4953	0.938	4.178	Yes	4.178	0.000	0.938	0.000
7	County Complex	Ct	Stadium Complex	65.547	1401	0.265	0.972	Yes	0.972	0.000	0.265	0.000
1040	Express	Dr	VRE Station Woodbridge	2.538	497	0.094	0.468	Yes	0.468	0.000	0.094	0.000
2400	River Heritage	Blvd	Ali Kreiger Park	34.387	578	0.109	0.499	Yes	0.000	0.499	0.074	0.035
2450	Neabsco Stream	Dr	Commuter Parking Garage	18.369	3006	0.569	2.342	Yes	2.342	0.000	0.569	0.000
4603	James Madison	Hwy	James Long Park	163.633	3668	0.695	1.731	Yes	1.731	0.000	0.695	0.000
4700	Poa Annua	Ln	Forest Green Golf Course	642.151	3254	0.616	1.737	Yes	1.737	0.000	0.616	0.000
4701	Locust Shade	Dr	Locust Shade Park	642.151	4201	0.796	1.937	Yes	1.937	0.000	0.796	0.000
5049	Waterway	Dr	Montclair Library	8.210	1037	0.196	0.726	Yes	0.726	0.000	0.196	0.000
5100	Dale	Blvd	Boys and Girls Club	3.500	345	0.065	0.253	Yes	0.253	0.000	0.065	0.000
5301	Dale	Blvd	Andrew Leitch Park	218.227	1284	0.243	0.617	Yes	0.617	0.000	0.243	0.000
8460	Maplewood	Dr	Joseph Reading Park	27.478	1575	0.298	0.732	Yes	0.732	0.000	0.298	0.000
8900	Freedom Center	Blvd	Western Police Station	15.398	1513	0.287	1.124	Yes	1.124	0.000	0.287	0.000
10699	Piper	Ln	Airport VRE Station & Commuter Lot	40.330	1496	0.283	0.910	Yes	0.910	0.000	0.283	0.000
12371	Cotton Mill	Dr	Lake Ridge Park & Golf Course	67.064	938	0.178	0.496	Yes	0.496	0.000	0.178	0.000
12390	Cotton Mill	Dr	Lake Ridge Park	4.675	2708	0.513	1.338	Yes	1.338	0.000	0.513	0.000
12560	Aden	Rd	Nokesville Community Park	97.074	2848	0.539	1.297	Yes	1.297	0.000	0.539	0.000
13001	Chinn Park	Dr	Chinn Park	74.796	1450	0.275	1.539	Yes	1.539	0.000	0.275	0.000
13455	Telegraph	Rd	Horner Rd Commuter Lot	23.764	1492	0.283	1.804	Yes	1.804	0.000	0.283	0.000
13712	Dumfries	Rd	Coles Fire Station	9.556	1108	0.210	0.696	Yes	0.696	0.000	0.210	0.000
13800	Pop Moubry	Pl	Lancaster Park	20.880	149	0.028	0.060	Yes	0.060	0.000	0.028	0.000
14300	Minnieville	Rd	Dale City Recreation Center	30.862	967	0.183	0.648	Yes	0.648	0.000	0.183	0.000
14300	Veterans	Dr	Veterans Memorial Park	78.114	2716	0.514	1.216	Yes	1.216	0.000	0.514	0.000

14418	Bristow	Rd	Helwig Memorial Park	132.734	4219	0.799	2.309	Yes	2.309	0.000	0.799	0.000
14450	John Marshall	Hwy	Fire Station 4	3.847	327	0.062	0.174	Yes	0.174	0.000	0.062	0.000
14500	Bristow	Rd	George Helwig Park Entrance	1.500	167	0.032	0.154	Yes	0.154	0.000	0.032	0.000
14500	Rollins Ford	Rd	Rollins Ford Park	69.096	733	0.139	0.516	Yes	0.516	0.000	0.139	0.000
14716	Minnieville	Rd	Howison Homestead Park	26.333	905	0.171	0.462	Yes	0.462	0.000	0.171	0.000
14720	Potomac Mills	Rd	PRTC Potomac Mills	12.539	2358	0.447	3.912	Yes	3.912	0.000	0.447	0.000
14811	Bristow	Rd	PWC Animal Shelter	10.960	377	0.071	0.211	Yes	0.211	0.000	0.071	0.000
14811	Dumfries	Rd	PWC Landfill/Animal Shelter	1061.980	3307	0.626	3.669	Yes	3.669		0.626	0.000
14870	Lightner	Rd	Gainesville Library	4.198	184	0.035	0.118	Yes	0.118		0.035	0.000
15601	Farm Creek	Rd	Farm Creek VRE Commuter Lot	4.413	823	0.156	0.788	Yes	0.788		0.156	0.000
15948	Donald Curtis	Dr	Eastern District Police Station	17.091	173	0.033	0.069	Yes	0.069		0.033	0.000
16530	River Ridge	Blvd	River Oaks Fire Station	5.656	907	0.172	0.896	Yes	0.896		0.172	0.000
17301	River Ridge	Blvd	Lacey Compton Park-Wayside Village	6.261	98	0.019	0.061	Yes	0.061		0.019	0.000
18809	Fuller Heights	Rd	Fuller Heights Park	42.261	1355	0.257	0.867	Yes	0.867		0.257	0.000
8636/8642	Wellington	Rd	PWC Juvenile Center	2.120	683	0.129	0.479	Yes	0.479	0.000	0.129	0.000

County-Maintained Parking Lots

Street Number	Street Name	Street Type	Description	Parcel Acreage	Parking Lot Acres	BMP on Site?	Parking Acres Treated	Parking Acres Not Treated
1721	Carter	Lane	Hammill Mill Park Pool	8.214	0.032	No	0.000	0.032
2081	Old Bridge	Road	Old Bridge Commuter Lot	0.700	0.314	No	0.000	0.314
2095	Old Bridge	Road	Old Bridge Commuter Lot	1.138	1.047	No	0.000	1.047
2201	Opitz	Boulevard	Potomac Regional Library	3.778	0.729	No	0.000	0.729
2430	West Longview	Drive	Hylbrook Park	4.156	0.374	No	0.000	0.374
4100	Exeter	Drive	Brittany Park	5.516	0.883	No	0.000	0.883
4249	Dale	Boulevard	Dale City Library	0.478	0.116	No	0.000	0.116
4450	Waterway	Drive	Ann Moncure Wall Park	13.802	0.756	No	0.000	0.756
4701	Locust Shade	Drive	Locust Shade Park	642.151	1.871	No	0.000	1.871
5901	Antioch	Road	Fire Station Antioch Rd/Dominion Valley	3.800	0.528	No	0.000	0.528
7215	Centreville	Road	Orchard Bridge Park	38.665	1.663	No	0.000	1.663
7500	Ben Lomond	Drive	Ben Lomond Park	240.607	0.390	No	0.000	0.390
8051	Ashton	Avenue	Bull Run Library	4.177	1.268	No	0.000	1.268
8601	Mathis	Avenue	Central Manassas Library	1.748	1.181	No	0.000	1.181
9250	Lee	Avenue	Courthouse Parking	2.307	0.663	No	0.000	0.663
9252	Lee	Avenue	Old Courthouse Parking	0.186	0.050	No	0.000	0.050
9254	Lee	Avenue	Old Courthouse Parking	0.201	0.075	No	0.000	0.075
9256	Lee	Avenue	Old Courthouse Parking	0.154	0.043	No	0.000	0.043
9258	Lee	Avenue	Old Courthouse Parking	0.162	0.042	No	0.000	0.042
9301	Lee	Avenue	Courthouse Parking	4.680	0.956	No	0.000	0.956
9303	Peabody	Street	Courthouse Parking	0.275	0.115	No	0.000	0.115
9305	Peabody	Street	Courthouse Parking	0.150	0.150	No	0.000	0.150
9307	Peabody	Street	Courthouse Parking	0.228	0.185	No	0.000	0.185
9901	Balls Ford	Road	Mayhew Sports Complex	48.896	0.644	No	0.000	0.644
10501	Copeland	Drive	Sudley Manor Community Ctr	2.974	0.750	No	0.000	0.750
10604	Bristow	Road	Bristoe Station Battlefield Heritage Park	133.384	0.340	No	0.000	0.340
11000	Crestwood	Drive	Rosemount Lewis Park	9.600	0.209	No	0.209	0.209
11930	Valley View	Drive	Valley View Park	125.626	5.019	No	0.000	5.019
12401	Braemar	Parkway	Braemar Park	15.172	0.465	No	0.000	0.465
12701	Poplar	Lane	Occoquan Park	0.673	0.050	No	0.000	0.050
12731	Ridgefield Village	Drive	Earl Cunard Park	4.476	0.190	No	0.000	0.190
13030	Harbor	Drive	Harbor Dr Wellness Park	2.293	0.108	No	0.000	0.108
13065	Chinn Park	Drive	Chinn Park Complex	14.736	3.025	No	0.000	3.025
13101	Public Safety	Drive	Public Safety Training Facility Pcl A	183.409	2.576	No	0.000	2.576
13161	Public Safety	Drive	Public Safety Training Faciity Pcl B	8.276	0.327	No	0.000	0.327

13499	Hillendale	Drive	John Jenkins Park	21.886	0.131	No	0.000	0.131
13850	Church Hill	Drive	Community Center	5.086	0.532	No	0.000	0.532
14012	Dawson Beach	Boulevard	Community Center	6.230	0.069	No	0.000	0.069
14631	Vint Hill	Road	Prince William Golf Course	165.000	0.532	No	0.000	0.532
14730	Birchdale	Avenue	Birchdale Park	8.656	0.724	No	0.000	0.724
14811	Dumfries	Road	PWC Landfill/Animal Shelter	1061.984	9.313	No	0.000	9.313
14945	Richmond	Highway	Helda Barg Homeless Center	5.065	0.243	No	0.000	0.243
14998	Birchdale	Avenue	Station 10 VFD Fire Station	0.836	0.259	No	0.000	0.259
15011	Birchdale	Avenue	Birchdale Park	4.146	0.334	No	0.000	0.334
15125	Blackburn	Road	Neabsco Creek Boardwalk	30.042	0.745	No	0.000	0.745
15150	Cloverdale	Road	Cloverdale Park	30.190	1.480	No	0.000	1.480
15520	Blackburn	Road	Rippon Lodge Historical Park	42.452	0.494	No	0.000	0.494
15800	Silver Lake	Road	Silver Lake Park	231.889	0.527	No	0.000	0.527
15960	Sindlinger	Way	Ferlazzo Center	4.400	1.409	No	0.000	1.409
16198	Silver Lake	Road	Silver Lake Equestrian Center	43.753	0.700	No	0.000	0.700
1	County Complex	Court	McCoart & Development Svcs Bldg	40.676	5.312	Yes	5.312	0.000
7	County Complex	Court	Stadium Complex	65.547	4.033	Yes	4.033	0.000
1040	Express	Drive	VRE Train Station Woodbridge	2.538	0.116	Yes	0.116	0.000
2400	River Heritage	Boulevard	Ali Kreiger Park	34.387	2.524	Yes	1.726	0.798
4603	James Madison	Highway	James Long Park	163.633	4.146	Yes	4.146	0.000
4700	Poa Annua	Lane	Forest Green Golf Course	642.151	1.051	Yes	1.051	0.000
5070	Dale	Boulevard	Boys & Girls Club	6.179	0.437	Yes	0.437	0.000
5100	Dale	Boulevard	Boys and Girls Club	3.500	2.013	Yes	2.013	0.000
5180	Dale	Boulevard	Parks Skate Nation	7.161	1.756	Yes	1.756	0.000
5301	Dale	Boulevard	Andrew Leitch Park	218.227	1.788	Yes	1.788	0.000
7751	Doane	Drive	Elite Shooting Range	4.402	1.504	Yes	1.504	0.000
8460	Maplewood	Drive	Joseph Reading Park	27.478	0.244	Yes	0.244	0.000
8642	Wellington	Road	PWC Juvenile Center	1.263	0.085	Yes	0.085	0.000
8900	Freedom Center	Boulevard	Western Police Station	15.398	4.032	Yes	3.823	0.209
9212	Peabody	Street	Courthouse Parking	3.740	1.843	Yes	1.843	0.000
9300	Lee	Avenue	Old Courthouse Parking	14.706	1.168	Yes	1.168	0.000
9320	Mosby	Street	Courthouse Parking	14.706	1.853	Yes	1.853	0.000
9350	Mosby	Street	Courthouse Parking	9.452	0.393	Yes	0.393	0.000
10699	Piper	Lane	Airport VRE Station & Commuter Lot	40.330	4.117	Yes	4.117	0.000
12371	Cotton Mill	Drive	Lake Ridge Park & Golf Course	67.064	1.679	Yes	1.679	0.000
12380	Cotton Mill	Drive	Lake Ridge Park	2.860	0.059	Yes	0.059	0.000
12390	Cotton Mill	Drive	Lake Ridge Park	4.675	0.941	Yes	0.941	0.000
12500	Kyle Wilson	Way	Catharpin Park	99.436	3.814	Yes	3.814	0.000

12560	Aden	Road	Nokesville Park	97.074	0.578	Yes	0.578	0.000
12940	Hunting Cove	Place	Broad Run Linear Park	2.524	0.325	Yes	0.325	0.000
12983	Fitzwater	Drive	Nokesville Library PCL	0.287	0.098	Yes	0.098	0.000
12993	Fitzwater	Drive	Nokesville Library PCL2	0.287	0.022	Yes	0.022	0.000
13065	Chinn Park	Drive	Chinn Park Complex	14.736	1.025	Yes	1.025	0.000
13455	Telegraph	Road	Horner Rd Commuter Lot	23.764	10.448	Yes	10.448	0.000
13509	Hillendale	Drive	Hillendale Commuter Lot	3.335	1.883	Yes	1.883	0.000
13712	Dumfries	Road	Coles Fire Station	9.556	0.611	Yes	0.611	0.000
13800	Pop Moubry	Place	Lancaster Park	20.880	0.146	Yes	0.146	0.000
14001	Worth	Avenue	Crisis Receiving Center	12.509	6.240	Yes	6.240	0.000
14300	Minnieville	Road	Dale City Recreation Center	30.862	0.875	Yes	0.875	0.000
14300	Veterans	Drive	Veterans Memorial Park	78.114	2.132	Yes	2.132	0.000
14400	Minnieville	Road	Dale City Rec Center Parking Lot	0.367	0.265	Yes	0.265	0.000
14418	Bristow	Road	Helwig Memorial Park	132.734	5.709	Yes	5.709	0.000
14450	John Marshall	Highway	Fire Station 4	3.847	0.794	Yes	0.794	0.000
14500	Rollins Ford	Road	Rollins Ford Park	69.096	1.590	Yes	1.590	0.000
14716	Minnieville	Road	Howison Homestead Park	26.333	1.939	Yes	1.939	0.000
14720	Potomac Mills	Road	PRTC Potomac Mills	12.539	2.542	Yes	2.542	0.000
14870	Lightner	Road	Gainesville Library	4.198	0.984	Yes	0.984	0.000
15601	Farm Creek	Drive	Farm Creek Commuter Lot	4.413	2.202	Yes	2.202	0.000
15611	Farm Creek	Drive	Farm Creek VRE Commuter Lot	2.427	1.023	Yes	1.023	0.000
15904	Richmond	Highway	Eastern Fueling Center	0.960	0.927	Yes	0.927	0.000
15941	Donald Curtis	Drive	Ferlazzo Building	17.091	4.282	Yes	4.282	0.000
15948	Donald Curtis	Drive	Eastern District Police Station	17.091	0.464	Yes	0.464	0.000
16530	River Ridge	Boulevard	River Oaks Fire Station	5.656	0.428	Yes	0.428	0.000
17301	River Ridge	Boulevard	Lacey Compton Park - Wayside Village	6.261	0.259	Yes	0.259	0.000
18809	Fuller Heights	Road	Fuller Heights Park	42.261	1.429	Yes	1.429	0.000

Appendix H

Nutrient Management Plan Summary

FY26 Nutrient Management Plan Summary

Name	Longitude (W)	Latitude (N)	Plan acreage	Expiration	Planner
H.L. Mooney Plant	-77.269064	38.614062	4.98	11/20/2027	Willie Woode
Spittle Building	-77.348961	38.680921	2.48	11/20/2027	Willie Woode
Anne Wall	77*20'39"	38*36'14"	2.25	9/30/2027	Flickinger
Ben Lomond	77*29'37"	38*47'51"	24.04	11/30/2027	Flickinger
Ben Lomond Community	77*30'22"	38*47'22"	1.86	6/30/2029	Flickinger
Braemar	77*34'9"	38*44'2"	2.46	8/31/2029	Flickinger
Catharpin	77*33'56"	38*51'16"	9.03	3/31/2029	Flickinger
Chinn	77*19'49"	38*40'14"	11.52	11/30/2027	Flickinger
Cloverdale	77*19'10"	38*37'20"	8.66	11/30/2027	Flickinger
Dale City Rec	77*20'42"	38*38'35"	3.16	11/30/2027	Flickinger
Fairmont	77*29'27"	38*46'54"	4.01	9/30/2027	Flickinger
Fuller Heights Park	77*19'48"	38*32'33"	5.39	11/30/2027	Flickinger
Forest Greens Golf	77*21'14"	38*32'35"	105.42	9/18/2029	Jeff Michel
Hellwig	77*27'0"	38*38'20"	36.84	3/31/2029	Flickinger
Howison	77*22'57"	38*38'2"	9.82	3/31/2029	Flickinger
Independent Hill Park	77*25'43"	38*38'10"	3.81	6/30/2029	Flickinger
James Long	77*38'5"	38*51'13"	17.87	3/31/2029	Flickinger
Lake Ridge Golf	77*19'15"	38*41'31"	21.29	5/26/2026	Mark Murphy
Leitch	77*22'16"	38*39'26"	9.24	11/30/2027	Flickinger
Locust Shade	77*21'4"	38*32'0"	6.52	11/30/2027	Flickinger
Mayhew	77*29'29"	38*48'24"	6.95	8/31/2029	Flickinger
Nokesville	77*34'39"	38*41'8"	21.85	10/31/2027	Flickinger
Prince William Golf	77*37'50"	38*44'51"	114.33	9/18/2029	Jeff Michel
Stadium	77*21'5"	38*41'1"	14.60	9/30/2027	Flickinger
Turley	77*18'34"	38*37'40"	1.23	11/30/2027	Flickinger
Valley View	77*32'22"	38*42'4"	34.50	10/31/2027	Flickinger
VEPCO	77*21'49"	38*38'53"	4.47	9/30/2027	Flickinger
Veterans	77*14'59"	38*38'32"	35.41	10/31/2027	Flickinger
Barg Homeless	77*16'32"	38*37'36"	5.07	10/10/2027	Bolles
Human Services/ Boys Home	77*17'43"	38*37'50"	1.92	10/23/2027	Bolles
Bull Run Library	77*31'14"	38*47'12"	1.56	10/24/2027	Bolles
Central Library	77*27'19"	38*46'7"	0.38	7/24/2028	Bolles
Dawson Beach	77*14'42"	38*38'53"	4.08	2/9/2029	Bolles
Fire 20	77*18'23"	38*38'51"	1.53	7/6/2029	Bolles
Fire 4	77*37'10"	38*48'14"	1.53	7/6/2029	Bolles
Garfield Ferlazzo	77*17'40"	38*36'29"	5.90	7/6/2029	Bolles
Manassas Court	77*28'44"	38*45'9"	7.21	9/1/2027	Bolles
Government Center	77*21'8"	38*40'49"	12.32	2/20/2028	Bolles
PWC Safety Training Center	77*35'7"	38*39'52"	4.95	9/1/2027	Bolles
Orchard Bridge Park	77*26'43"	38*48'5"	7.38	10/31/2027	Flickinger
Linden Park	77*29'57"	38*48'02"	0.84	8/31/2028	Flickinger
Western PD	77*31'2"	38*45'45"	7.27	2/20/2028	Bolles
Reading Park	77*27'11"	38*46'48"	2.12	8/31/2028	Flickinger
Neabsco Eagles Park	77*17'03"	38*36'24"	1.60	8/31/2028	Flickinger
American Legion Field	77*18'12"	38*39'56"	0.96	8/31/2028	Flickinger
Hylbrook Park	77*15'51"	38*39'04"	1.50	8/31/2028	Flickinger
Rollins Ford Park	-77* 37' 20"	38* 45' 31"	11.39	2/28/2028	Flickinger
Harbor Drive Park	-77* 16' 58"	38* 40' 20"	0.65	2/28/2028	Flickinger
Ali Krieger Park	-77* 17' 14"	38* 33' 60"	15.73	2/28/2028	Flickinger
Birchdale Park	-77* 18' 40"	38* 37' 48"	0.67	9/30/2027	Flickinger
Ben Lomond Historical Site	-77.506264	38.788771	4.15	10/15/2028	Bolles
Total		**Total to Date**	**624.70**		

Appendix I

Oil and Hazardous Waste Disposal Summary

FY26 Oil and Hazardous Waste Disposal Summary

Prince William County owns and operates the Prince William County Landfill, a permitted municipal sanitary landfill located at 14811 Dumfries Road in Manassas, Virginia. The landfill serves all residents, businesses, and institutions within Prince William County. A household hazardous waste (HHW) collection facility is located on the landfill property, which is owned by the County and operated by a vendor, currently Clean Harbors of Laurel, Maryland. The HHW facility is open two days a week, year-round (Wednesdays and Saturdays), from 8:00 a.m. to 4:00 p.m. Clean Harbors is responsible for proper packaging and safe recycling or disposal of all HHW collected at the facility. The landfill also has collection locations for other wastes, including vegetative wastes, used motor oil, and other vehicle fluids. Information about the County landfill and acceptable wastes is published on the County's website at https://www.pwcva.gov/department/solid-waste-management. Specific information about the HHW program is located at https://www.pwcva.gov/department/solid-waste-management/household-hazardous-waste.

- **Residents**
  - Offer twice a week collection of household hazardous waste and electronics year-round at the County Landfill and once a month at the Balls Ford Road Compost Facility.
  - Maintain a safe building for residents to drop off household hazardous waste and electronics with proper storage as needed.
  - Offer daily collection of used motor oil, antifreeze, and car batteries.
  - Provide useful signs to direct residents on how to properly dispose of these materials when they arrive at the landfill and compost facility.
  - Provide clear and complete information about management, storage and delivery of household hazardous waste to the County landfill and compost facility through brochures and instruction sheets, web pages, public service announcements and newsletters
- **County Government**
  - Provide extensive training on the proper handling and disposal of chemicals and potentially hazardous materials
  - Provide extensive training on how to respond to and report a chemical spill.
  - Established an effective program for handling motor oil, antifreeze and other vehicle fluids at the Fleet Maintenance Shop
  - Conducted an inventory of chemicals in use by County agencies and arranged a collection of no longer used products with a licensed handler.
  - Piloted a program to collect chemicals from agencies and work with County contractor to accept them at designated intervals throughout the year.
  - Produced a preferred chemical list to reduce the use of potentially hazardous and harsh products.

Appendix J

Illicit Discharge Summary

Case #	Address	Issue description	Priority	Status	Referred to	Assigned to	Date reported	Date of Inspection	Initial Findings	Source	Suspected Discharger	Violation Issued?	NOV #	Follow-up Inspection	Follow-up Findings
1.2026	17133 Dumfries Rd	grey water being discharged into stormwater system	High	Completed		Poudel, Prem;#14	7/1/2025	7/1/2025	grey water discharge was observed flowing through multiple drop inlets and eventually discharging through the outfall.	wash water	Plaza Realty Management Inc	Yes	1-2026	8/6/2025	Follow-up inspection conducted. The previously identified deficiencies were found to be resolved after repairs to collapsed pipes at two separate locations. No discharge was observed into the drop inlet. Refer to the follow-up inspection photos.
2.2026	14203 Bismark Ave	green substance running down the side of the road	Normal	Referred	Virginia American Water	Uglow, Andrew;#12;#Canizales, Hannah;#9	7/8/2025	7/8/2025	found liquid running down side of the road into storm drain. The liquid had been running long enough to start growing algae within the stream of water. Traced source to leaking water meter.	leaking water meter	Virginia American Water	No			
3.2026	13893 Silver Moon Ln	sump pump draining out towards the stormwater drain and its leaving a residue	Normal	Completed		Uglow, Andrew;#12;#Canizales, Hannah;#9	7/8/2025	7/8/2025	sump pump drainage seems to have sediment built up in drain, causing a residue when draining along roadway	sump pump drainage	13893 Silver Moon Ln	No			
4.2026	3380 Chelsea Drive	Ms. Jen Blake of 3380 Chelsea Drive has concerned about the runoff , trash and litters that is coming from the upstream properties from parking lot into her yard.	Normal	Completed	Owner of 3340 Elm Farm Rd (Public Storage), 13534 and 13550 Minniville Rd respectively	Poudel, Prem;#14	7/14/2025	7/14/2025	During follow up inspection, County staff observed some trash accumulation along the flow path passing through 3340 Elm Farm Rd and 13534 Minnieville Rd, particularly near areas where wooden logs are placed.	Parking Lot	TBD	No	NA	7/15/2025	The source of trash is the adjacent shopping center passing through another property. The county sent a letter to the property management company to run good housekeeping practices. Follow up inspection will continue randomly throughout the days. The case closed for now.
5.2026	7929 Heritage Village Plz	Lt. Gant and Lt. Kelly from FMO were called to an illicit discharge (food waste in storm drain) on July 11, 2025 in the evening.	High	Completed	NA	Poudel, Prem;#14	7/11/2025	7/18/2025	It was reported that food waste, grease, and oil were being discharged into the stormwater system.	CM Chicken Restaurant, Jimbo's Grill	CM Chicken Restaurant, Jimbo's Grill	No	NA	7/18/2025	County staff observed grease and food waste being dumped into the stormwater system. Additionally, cooking oil was spilled around the grease and oil collection container.
6.2026	13841 Delany Rd	Tires and waste has dumped behind the property on woods. The violator has reported to be the homeowner of 13841 Delany Rd.	High	Completed		Poudel, Prem;#14	7/17/2025	7/18/2025	The county staff some trash and tires but hard to figure out who did it. The property has seemed to be in development phase, clearing the forest. The case is a common.	13841 Delany Rd	Homeowner of 13841 Delany Rd	No	NA	7/18/2025	It was hard to say who dump few tires and trash, so the case has closed as the impact is insignificant.
7.2026	14418 Bristow Rd	The citizen complaint has received about erosion and sediment discharge from the active construction site of Hellwing Memorial Park.	High	Completed	Gitchev, Stefan Area Supervisor (E & S) Public Works Bus. Phone: +17037925295 sgitchev@pwcgov.org	Poudel, Prem;#14	7/19/2025	7/21/2025	Mercy water has seemed in the pictures reported with the email by the complainant.	Active construction site of the park	Park Authority	No	NA	7/21/2025	The case has forwarded to E & S staff for further action.
8.2026	9910 Upper Mill Loop, Bristow	During a routine inspection, a white sediment substance with visible lumps was observed along the flow path at Outfall 24419 and in the downstream channel. The substance appeared to be corrosive, as it caused discoloration on clothing when accidentally contacted.	High	Completed	NA	Poudel, Prem;#14	7/24/2025	7/24/2025	Bleach paste was discharged into the stormwater inlets, resulting in white paste and clumps being found at the outfall, sewer pipe, and downstream channel.	Pool maintenance byproduct	The vendor employed by Saybrooke Village	Yes	2-2026	7/24/2025	Follow up due until 2nd week of August. The drain was cleaned and debris were collected and disposed properly. Case closed.
9.2026	9001 Mason Village Loop	complainant reported ongoing dumping of cleaning chemicals outside	Normal	Completed		Poudel, Prem;#14	8/8/2025	8/11/2025	The denuded and eroded spots were observed as reported, except for the strong chemical smell. This may be normal since they have stopped dumping after the report.	The cleaning discharge by the vendor of the Apartment	The Vendor of the Apartment	No	NA	8/11/2025	County staff met with apartment staff, who confirmed the issue was reported and the vendor warned. The damaged area will be repaired in the appropriate season.
10.2026	Mirror Lake Ln and Balaton Lake Ln	dumping what looked like a pot of cooking grease (not 100% sure what it actually was) into the sewer at the intersection of mirror lake ln and balaton lake ln	Normal	Completed		Poudel, Prem;#14	8/11/2025	8/11/2025	The county staff did not observe any grease discharge as reported; instead, some cigarette butts, dust, and a plastic bag were found hanging on the footstep of the curb and gutter manhole inside.	Not Identified	Could not Identify.	No	NA	8/11/2025	The county staff spoke with the homeowner regarding the complaint and educated him about illicit discharge, though he denied dumping the cigarette butts, dust, and plastic bag.
11.2026	Nearby 13780 University Drive along route 29.	The complainant reported that the mobile food truck used to dump food waste and trash around 1-2 pm nearby 13780 University Drive along route 29.	High	Completed		Poudel, Prem;#14	8/8/2025	8/13/2025	County staff conducted a follow-up inspection but were unable to locate the reported dumping site, spoke with the complainant, who expressed willingness to provide stronger evidence and report again soon.	Mobile Food Truck	TBD	No	NA	8/13/2025	Location reported about illicit discharge had seemed excellent. Case closed.
12.2026	1214 Swan Point Rd	The county received a complaint regarding Dumping asphalt waste, millings, into river and wetlands also leaking fuel, oil, and other waste into river from EPA.	High	Completed		Poudel, Prem;#14	8/14/2025		During Inspection, the County staff did not find any reported discharge into wetland.	Holly Acres Marina	TBD	No			The case has closed for now.
13.2026	2425 Prince William Pkwy	During a follow-up inspection, County staff made an unannounced visit to Chick-fil-A and observed that grease and oil stains had been washed from the dumpster area using chemicals, allowing the wash water to enter the storm drain.	Normal	Completed		Poudel, Prem;#14	8/27/2025	8/27/2025	Discharge of wash water composed of soap, chemicals using wash out grease and oil stains from receptacles areas of Chick-fil-A.	Waste Receptacles of Chick-fil-A	Chick-fil-A	No	NA	8/27/2025	The County Staff has educated to the manager on duty about an unlawful discharge and best house keeping practices .
14.2026	3404 Vanetta CT Triangle-VA 22172	The Environment Management Division has received a complaint about pipeline encroachment into neighbors' sanitary laterals. There has been an intrusion of an encroachment pipeline, resulting in the release of highly concentrated chemical waste onto the neighboring property. This waste includes oil and various hazardous chemicals, causing a strong, foul odor in the air. The pollutants have posed health risks, including poisoning to both residents and pets.	High	Referred	Prince William Water/ Neighborhood Service Division for review from their sides.	Canizales, Hannah;#9;#Uglow, Andrew;#12;#Poudel, Prem;#14	8/27/2025	8/28/2025	An intrusion from the sanitary laterals at 18301 Cabin Rd into those at 3404 Venetta Ct was observed, causing a clog in the sanitary pipe. This resulted in the clean-out cap bursting and the release of sewage, toxic gases, and chemicals.	18301 Cabin Rd.	The resident of 18301 Cabin Rd.	No	NA	8/28/2025	Same as reported. Our team visited the property. Getting permit to lay out sanitary lateral is the matter of development department, decided to forward them.
15.2026	TBD	The County received a complaint regarding bonfire ashes being dispersed into the nearby community and stormwater system by the neighbor of 7088 Little Thames Drive.	High	Completed		Poudel, Prem;#14	9/2/2025	9/3/2025	Upon arrival, the coal and ash observed to be disposed outside the house impacting neighbor. Phone conversation made with property owner complain about to fix the reported issues.	The neighbor of 7088 Little Thames Drive	The neighbor	No	NA	7/10/2026	Follow up inspection made, the case was resolved.
16.2026	7609 Centerville Rd	A camper trailer parked at 7609 Centerville Rd is discharging its sewage into a stormwater channel .	High	Completed		Poudel, Prem;#14	9/4/2025	9/4/2025	A follow-up inspection conducted the same day confirmed that a drainpipe from the camper trailer was discharging grey water into the adjacent stormwater channel. The discharge was identified as sewage based on its physical characteristics (such as color and odor) and chemical parameters (including pH and conductivity).	Camper Trailer	The owner	Yes	4_2026	9/16/2025	The water supply hose and drain pipe were removed. The channel has cleaned upto 200 feet.
17.2026	15601 Farm Creek Drive	A case of illicit discharge has been reported in the IDDE portal of Prince William County. Location: Rippon Upper Commuter Lot (the lot on the left as you enter the station) Details: An Allan Myers truck is parked next to a storm drain that drains into the storm pond. The truck is leaking an unknown liquid in two separate spots.	High	Completed		Poudel, Prem;#14	9/8/2025	9/8/2025	An oil spill was reported near the stormwater system, raising concerns that it might also affect the system.	The parked Allan Myer's Truck.	The suspected discharger did not identify, as the incident occurred accidentally and impacted only the pavement, without affecting the stormwater system.	No	NA	9/11/2025	County staff discovered oil stains on the pavement at three locations near stormwater inlets; however, the spill appears to be contained on the pavement and has not affected the stormwater system.

18.2026		Prince William County Environmental Management Division received a complaint. The complainant reported: I noticed this storm drain that runs into the pond adjacent, I guess, completely blocked with dried mud and debris. There's a wire mesh over the drain. It's right across the 5 Guys in the corner next to the dumpsters.	Normal	Completed		Poudel, Prem;#14	9/4/2025	9/8/2025		The adjacent eroded landscape near	TBD	No			
19.2026	9333 Troy Dr	received complaint of RV dumping sewage on road	High	Completed		Canizales, Hannah;#9	9/10/2025	9/10/2025	Found evidence of sewage dumping on Classic Lakes Way. Described vehicle and RV were found at 9333 Troy Dr. Spoke to Adam Herndon and he described the incident as an accidental discharge of sewage from the RV.	sewage from RV	Adam & Austin Herndon	Yes	5-2026		
20.2026	13211 Touch Stone Circle	The Prince William County Environmental Management Division has received a complaint regarding a storm drain. The drain, which is covered by wire mesh and located directly across from Five Guys in the corner near the dumpsters, appears to be completely blocked with dried mud and debris, leading into the adjacent pond.	Normal	Completed	Maxwell, David Eng Mgr Public Works Bus. Phone: +17037926984 dmaxwell@pwcgov.org	Poudel, Prem;#14	9/8/2025	9/8/2025	Clogged stormwater system	Landscape erosion	Natural - Ground Erosion	No	NA	9/8/2025	Clogged stormwater system and dumped cut-down tree branches at the outfall.
21.2026	9348 Devlins Grove PL	Prince William County Environmental Management Division received a citizen Complaint on 9/23/20250: our neighbor John Carter his address is 9348 Devlins Grove Place is blowing his leaves onto the road.	Normal	Completed		Poudel, Prem;#14	9/23/2025	9/24/2025	Upon arrival, some leaf clippings were observed along the roadside, but no leaves were found on the road itself. I spoke with Mr. Carter and his wife. The PWC police had already addressed this matter yesterday, on 9/23/2025. Mr. Carter explained that while he was resting from work, a police officer approached him to discuss the leaf issue. He also mentioned that, as a one-legged handicapped individual, he requires frequent rest to accomplish the job. I aware that dumping leaves on road is unethical and violation as well.	Yard waste of 9348 Devlins Grove Place	Mr. John Carter	No	NA	9/24/2025	There was a grass swale drain at the bank of road and some leaves are on drain trap up within grass. the case is very normal so that county staff educated them about the unlawful activities. and close the case.
22.2026	13412 RICHMOND HWY 101	Pollution trash and litters has generated from the business and disperse all around the parking lots and behind the house.	Normal	Completed		Poudel, Prem;#14	9/24/2025	9/25/2025	Mixed trash dumping was observed behind Bee Thrifty Holdings LLC, located at 13412 Jefferson Davis Hwy. Tracked down the violator and contacted Mr. Rashawn from Haul It All Company. He acknowledged that the trash belongs to his company and was dumped by one of his vendors.	Haul It All LLC	The listing company of Thumbtack - Haul It All	Yes	6-2026	9/26/2025	Although the incident was caused by his vendor, Mr. Rashawn is willing to take responsibility and address the issue.
23.2026	13065 Chinn Park Dr	It was reported that water containing white sludge was observed flowing from the Chinn Aquatics & Fitness Center into the pipe located upstream of the stream restoration project. The complainant walked over to investigate and discovered that staff were power washing the pool and allowing the sludge-laden water to drain into the gutter. I wanted to bring it to your attention, as this type of discharge likely should not be occurring in that area. The water appeared cloudy and may contain cleaning agents, which could pose environmental concerns.	High	Completed		Poudel, Prem;#14	10/6/2025	10/6/2025	Same as per reported. The work has stopped. Meeting organized for tomorrow at 8:30 AM.	Pool Maintenance of Chinn Aquatics & Fitness Center	Millennium Pools and Spas	No		10/7/2025	The case belogs to PWC, Park and recreation so the case forwarded to Park and Recreation.
24.2026	13830 Harbor Drive	The staff of Prince William Soil and Water Conservation District reported that during the Occoquan River Cleanup Event held last Saturday, some of the volunteers observed that fish in the pond located at 13830 Harbor Drive had died. The volunteers have requested that the appropriate agency investigate the cause and take necessary measures to address the issues.	High	Completed		Uglow, Andrew;#12;#Canizales, Hannah;#9;#Poudel, Prem;#14	10/6/2025	10/7/2025	An inspection and interaction with local residents were conducted. Muriatic acid was found to be used at Fairfield Office Park, located at 12860 Harbor Drive. Repairs to the water main on Harbor Drive contributed sediment in the tap water flowing into the pond. Similarly, a large volume of drinking water was discharged from a water main located between Safeway and McDonald's.	Discharge from PW Water System	Prince William Water	No	NA	10/8/2025	The excessive chlorine in tap water compared to lake water or cold tap water may have caused the pond to turn over, potentially leading to the fish die-off. The incident has been reported to the DEQ. The case was forwarded to PW water. Clean up completed.
25.2026	14700 Silverdale Dr	County staff saw uncovered dirt pile at Tractor Supply while driving by	Normal	Completed		Canizales, Hannah;#9	10/9/2025	10/9/2025	Dirt pile in back of the building left uncovered right near a storm drain. Spoke to the manager, Cindy, and asked that they have the dirt pile removed or covered. She said that their contractor recently did some work and must have left it there and that she would deal with it ASAP. Will conduct a follow-up inspection early next week.	dirt pile	Tractor Supply	No		10/13/2025	dirt pile was picked up by contractor. There was still some remaining dirt that needed to be swept up. Spoke to manager and thanked her for getting the pile taken care of and let her know that if the remaining dirt could be swept up, that would be great.
26.2026	9427 King George Dr	The house 9427 King George Dr has some sort of sewage leak coming from their yard/ drive way. It's been like this for more than 6 months, where ever the that water travels to makes the area smell of sewage.	High	Completed		Poudel, Prem;#14	10/14/2025	10/14/2025	The orange stains observed on drive way directed towards road curb and gutter. The attempt was show up for maintenance but seemed to be imperfect.	Sanitary sewage lateral	9427 King George Dr_ Owner	Yes	7-2026	10/14/2025	Interaction made with homeowner, the case has resolved by the property owner.
27.2026	1903 Ridge Rd, Haymarket 20169	Disposal Services (used to be Charlie and Sons trash service) picks up trash on Bull Run Mountain. Their truck continues to leak hydraulic fluid from the compactor on the truck at every stop where trash containers are. Oil spots on the road. This has been going on for a while. They are not very concerned or helpful as I have called them twice to voice my concern. 703-670-9652. I am worried about the environmental impact of the runoff into ground drinking water and the environment in general.	High	Completed		Poudel, Prem;#14	10/1/2025	10/16/2025	Upon arrival, the county staff did not see the spill of hydraulic fluid on Ridge Rd as it has been on asphalt replacement process.	Trash hauling truck	Charlie and Sons trash service	No	NA	10/15/2025	Reported case did not show up, random inspection will continue in future.
28.2026	12693 Perchance Terr Woodbridge, VA 22192	There appear to be some form of oil or other substance in one of our county boxes.	High	Completed		Poudel, Prem;#14	10/15/2025	10/16/2025	Observed oil stain nearby storm water inlet. The violator could not find. Educated the people who are living around. The impact was no impact on downstream pond. The case closed.	TBD	TBD	No	NA		Violator could not be identified for oil stains. Educated to the neighbor to be aware.
29.2026	4433 Waterway Drive	A man has been seen several times a week at Moncure Park emptying five-gallon buckets apparently containing human waste into the porta potty. He's often in a van near the Target parking lot. The smell is awful, and it makes nearby visitors feel unsafe.	High	Completed		Poudel, Prem;#14	10/22/2025	10/27/2025	The County staff did not notice the complaint case existing on site. The conversation made with complainant to send some evidence of dumping sewage and left the bucket unattained for leaving Faul smell nearby playground.	Manual Discharge	TBD		NA	10/24/2025	The case closed.

30.2026	12921 Freestone Ct	County staff observed an oil leak from a vehicle, with the substance flowing into the storm drain.	High	Completed		Poudel, Prem;#14	10/27/2025	10/27/2025	Oil stain observed on parking lot near storm drain at 12921 Freestone Ct. Homeowner stated the spill was accidental and the vehicle has been sent for maintenance.	From the car parked at designated parking spot	The homeowner of 12921 Freestone Ct., who assigned to park their car.	No	NA	10/27/2025	The stain has cleaned and removed with kitty litters.
31.2026	12887 Schalk Ct, Woodbridge, 22192	A citizen filed a complaint regarding landscapers blowing leaves and yard debris into the storm drain.	High	Completed		Poudel, Prem;#14	11/3/2025	11/3/2025	The crews of landscaping company were blowing leaves into storm drain.	Yard and open spaces of Old Bridge Estates	Vendor of the community: Professional Grounds Inc.	No	NA	11/3/2025	Trained the company crews onsite to follow standard practices to protect storm drain from clippings.
32.2026	18581 Old Tringle Rd.	Prince William County received a complaint regarding sewage outbreak from septic system.	High	Completed		Poudel, Prem;#14	10/31/2025		During the follow-up inspection, it appeared that the sewage overflow from the septic system had been addressed through some plumbing work.				NA		The case has found to be resolved.
33.2026	5367 Mansfield Ct, Woodbridge VA	The Complainant reported: The Mr. Lawrence intentionally blowing leaf toward the storm drain and onto our property. During the interaction, Mr. Lawrence showed no interest in having a constructive conversation about the matter.	Normal	Completed		Poudel, Prem;#14	11/9/2025	11/12/2025	The video shows that Mr. Lawrence intentionally blowing leaves into storm drain but the impact was insignificant to block the drainage system. During inspection the county staff could not meet Mr. Lawrence so that left the education materials at the door.	From the yard 5367 Mansfield Ct	The homeowner of 5367 Mansfield Ct Mr. Lawrence Graves	No		11/12/2025	Spoke with complainant and asked them to report County if he continued the same activities again.
34.2026	7901 Coppermine Drive	The Prince William County received a complaint from the staff of Prince William Soil and Water Conservation District regarding discharge of trash and carpets	Normal	Completed		Poudel, Prem;#14	11/12/2025	11/14/2025	The pile of carpet and trash observed at the property.	TBD	TBD	No	NA	11/14/2025	Since the trash is located at flood zone very close to water river, the courtesy letter will be send out to the property owner. The violator could not identified. Follow up inspection will continue periodically.
35.2026	15026 Carlsbad Rd	Prince William County Environmental Management staff received a complaint about blowing leaves on road and storm water inlet.	Normal	Completed		Poudel, Prem;#14	11/19/2025	11/19/2025	The storm water inlet was full of leaves, and some leaves were blown to road.	Yard of 15026 Carlsbad Rd	The homeowner of 15026 Carlsbad Rd	No	NA		The homeowner resolved the case.
36.2026	14647 Richmond Hwy	During routine inspection, the County staff noticed a lot of trash leaving all around the dumpster.	High	Completed		Poudel, Prem;#14	11/18/2025	11/19/2025	A lot of trash leaving all around the dumpster, located behind the shop.	The business running at 14647 Richmond Hwy	The business owner	No	NA	11/19/2025	Same as in Initial findings. The county staff met and talked with the staff of business owner about unlawful discharge. The cleanup work resumed instantly and finished. The county staff asked them to maintain clean as we saw after cleaning. up.
37.2026	9001 Mason Village Loop	A strong, chemical-smelling mop/cleaning solution was dumped directly onto the front entrance curb and allowed to flow into the rock drainage area. The odor was extremely strong and immediately noticeable. The water contained clear traces of soap and chemical residue and drained directly into the stormwater system.	High	Completed	Mr. Freddy Rosales, Service Manager	Poudel, Prem;#14	11/21/2025	11/19/2025	County staff spoke with Mr. Freddy Rosales, the Service Manager, regarding the repeated occurrence of the same incident. A courtesy warning email was sent, as the impact was minimal, even though the action was unlawful and unethical.	Household Discharge	The homeowner of 9001 Mason Village Loop	No	A courtesy warning email has sent.	12/1/2025	The case resolved by the apartment management.
38.2026	15986 Cove Ln, Dumfries, 22025	A commercial Vehicle (Trash truck/open top box truck used for leaf removal) is leaking fuel and oil onto roadway which drains directly into Chesapeake Bay watershed.	High	Completed		Poudel, Prem;#14	12/1/2025	12/1/2025	A commercial Vehicle is leaking fuel and oil onto roadway which drains directly into Chesapeake Bay watershed.	Parked Vehicle of 15986 Cove Ln	The vehicle owner, 15986 Cove Ln	No	NA	12/1/2025	Oil staining was observed on the pavement. Communication was made with the homeowner, and the impact was assessed to be limited in scope. The homeowner was advised to remediate the area using absorbent material.
39.2026	Lindendale or Mapledale crossing_Discharge_Truck	The environmental disaster was caused by the regular discharge of commercial fluid from the recovery tank into Neabsco Creek.	Normal	Completed		Poudel, Prem;#14	12/5/2025	12/8/2025	The reported issue involves commercial fluid being discharged into the creek from a truck carrying containers. The violator needs to be warned to stop further discharge of commercial fluid into river or creek.	Commercial Fluid from a recovery truck / tanker	The complainant reported to the incident with the pictures having truck's number plate. The discharger will be confirmed taking help from Police.	No	NA	12/8/2025	We located the site, but no discharge was occurring at the time. The department will get support from police to verify the truck's license plate to identify the violator. The case forwarded to police for resolution.
40.2026	3700 Havertill Ln, Woodbridge	The compactor juice has draining out of the trash pickup trucks while stop by at hauling points. The leachate drains out when the truck is stopped to pick up trash.	Normal	Completed		Poudel, Prem;#14	12/8/2025	12/8/2025	Stains and stagnant leachate were observed at multiple locations within the community. Flow marks were visible on the sloped asphalt pavement, indicating movement toward the stormwater system.	Trash Truck Of Disposal Services	Trash Truck Of Disposal Services	Yes	8-2026	12/8/2025	The county inspector reached out to the Manager of Condominium and ask to take an action to aware trash pick up company. The County will reach out to them with warning email.
41.2026	13002-13004 Kahn's Rd	The investigation of sewage exposing case has forwarded by Prince William Water to our Environment Division of the County at 13004-13002 Kahn's Rd on 12/04/2025. The sewage has overflowed from the grinder pump of 13002 Kahn's Rd.	High	Completed		Poudel, Prem;#14	12/4/2025	12/4/2025	Sewage has been flowing out on ground from the grinder pump at 13002, even though no one has been in the house since last week. The source of the sewage may be coming from a neighboring property, most likely 13004 Kahn's Rd. possibly due to a cross-connection or a blockage in the sanitary laterals.	The household sewage	TBD	No	NA	12/11/2025	Based on PWW and our own inspection, a comprehensive investigation is needed to determine the cause of the problem. Responsibility for maintenance can then be established based on the investigation's results. The case has resolved by the owner.
42.2026	12793 Harbor Drive, Woodbridge VA 22192	During routine inspection, the county staff discovered a salt pile at parking lot without proper cover resulting salty runoff increase salinity to the pond, creek and river.	High	Completed		Poudel, Prem;#14	12/18/2025	12/18/2025	Leaching salt from salt pile to storm water management system ultimately increase the salinity of water bodies.	Uncovered Salt Pile	Tackett's Mill Center LLC, C/O, Rappaport Mgmt. Co.	Yes	9-2026	12/18/2025	The case has resolved by removing salt with proactive role of property management company.
43.2026	14050 Worth Ave, Woodbeidge Va 22192	During routine inspection, the county staff discovered a salt pile at parking lot without proper cover resulting salty runoff increase salinity to the pond, creek and river.	High	Completed		Poudel, Prem;#14	12/18/2025	12/18/2025	Leaching salt from salt pile to storm water management system ultimately increase the salinity of water bodies.	Uncovered salt pile	The owner, Sam's Club Woodbridge	Yes	10-2026		The case has resolved by removing salt and debris by the owner.
44.2025	9387 Hidden spring Dr	The complainant reported: "I have to live near these people. They do this every year, and if you look into the drain, you will see that it is full of yard debris. Can you have a truck come out to suction it? The issue being reported is the storm drain located directly in front of the house."	High	Completed		Poudel, Prem;#14	12/15/2025	12/16/2025		Yard Waste	TBD				There was no problem as reported, the case closed.
45.2026	10501 Bristow Center Drive	During a routine inspection, County staff observed an exposed salt pile that was vulnerable to rainfall and runoff due to unsecured tarps, resulting in contamination. The pile was located at the high point of parking lot but at the toe of sloppy landscape.	High	Completed		Poudel, Prem;#14	12/29/2025	12/29/2025	The salt pile covered with an unsecured tarp was exposed to rainfall and runoff, causing contamination.Salt debris were discovered around salt pile.	Salt Pile	The property owner	Yes	11-2026		The case has resolved removing the salt pile.
46.2026	6450 Trading Square, Haymarket	• The salt pile was covered with an unsecured tarp, which had partially blown off, leaving the pile exposed to rainfall and runoff. • Salt debris was observed scattered around the storage area, contributing to potential environmental contamination. • The sandbags were torn out, and salt was spreading all around.	High	Completed		Poudel, Prem;#14	12/31/2025	12/31/2025	• The salt pile was covered with an unsecured tarp, which had partially blown off, leaving the pile exposed to rainfall and runoff. • Salt debris was observed scattered around the storage area, contributing to potential environmental contamination. • The sandbags were torn out, and salt was spreading all around.	Salt pile and Salt Debris	Haymarket Center LLC, C/O-Ruppert Landscaping Company	Yes	12.2026	1/8/2026	The salt debris were collected, the pile and salt bags have covered and traps secured perfectly.
47.2026	9827 Sudley Manor Drive	The county has received a citizen complaint at the area, before shopping center by Giant supermarket filled with trash and dog waste bags, cans of beer and other trash.	High	Completed		Poudel, Prem;#14	12/30/2025	1/13/2026	The wooded area adjacent to the sidewalk was found to be littered. The trash and debris appear to have accumulated over the past several years. County staff have decided to conduct the cleanup ourselves on an appropriate date.	Public Litters	Unidentify	No	NA	1/20/2026	Cleanup was completed on January 20, during which 10 bags of trash were collected and disposed of at the landfill. The complainant was contacted and was thankful for the action taken.

48.2026	6151 TAMBORINE CT, WOODBRIDGE, 22193	The complainant reported that a vehicle (White Ford Expedition) parked on a county-owned roadway that appears to have a significant oil leak. The vehicle has been parked in this location repeatedly/for an extended period and is leaving visible oil stains on the asphalt. The leakage appears to be ongoing and may pose an environmental concern, particularly if runoff reaches storm drains.	High	Completed		Poudel, Prem;#14	12/30/2025	1/1/2026	The parking lot has numerous oil stains. Following inspection, interaction made with the homeowner. NOV has issued.	The parked vehicle	The Vehicle Owner	Yes	13-2026		The case has resolved by the vehicle owner who used to park on street.
49.2026	5031 Prince William Pkwy	During a routine inspection, a sand pile was observed. Rainfall and runoff have compromised the pile, allowing material to be transported into the stormwater system, potentially causing blockages and environmental hazards.	Normal	Completed		Poudel, Prem;#14	12/31/2025	12/31/2025	During a routine inspection, a sand pile was observed. Rainfall and runoff have compromised the pile, allowing material to be transported into the stormwater system, potentially causing blockages and environmental hazards.	Sand Pile	The Property Owner			1/2/2026	Sand pile has removed, the case closed.
50.206	9511 Liberia Avenue	The County received a phone call from Prince William Water in regards to a grease trap overflowing and causing an illicit discharge into the storm drains at 9511 Liberia Ave – Chipotle.	High	Completed		Uglow, Andrew;#12;#Poudel, Prem;#14	12/31/2025	12/31/2025	The County received a phone call from Prince William Water in regards to a grease trap overflowing and causing an illicit discharge into the storm drains at 9511 Liberia Ave – Chipotle.	The Grease Interceptor	Chipotle Mexican Grill	No	NA	1/5/2026	The grease interceptor was vacuumed and cleaned, and the identified deficiencies were mitigated. An awareness email will be sent to the corporate office requesting circulation of best management practices to prevent future overflows.
51.2026	7788 Sudley Rd, Manassas, VA 20109	During a routine inspection, County staff observed a partially covered salt pile located in the parking lot. The salt appeared to have been compromised by rain and runoff, resulting in the discharge of saline pollutants into the stormwater system.	High	Completed		Poudel, Prem;#14	1/2/2026	1/2/2026	An uncovered salt pile was observed, along with visible evidence of salt-laden runoff contamination.	Unprotected salt pile	Rappaportco.com	Yes	15	1/2/2026	The case has resolved after reaching out to the property management company.
52.2026	8358 Shopper Sq. Manassas	During a routine inspection, County staff observed a partially covered salt pile located in the parking lot. The salt appeared to have been compromised by rain and runoff, resulting in the discharge of saline pollutants into the stormwater system.	High	Completed		Poudel, Prem;#14	1/2/2026	1/5/2026		Uncovered salt pile	MFI Management LLC	Yes	14		The case has resolved by removing pile and debris.
53.2026	8207 Sudley Rd, Manassas VA 20109	During routine inspection, the County staff discovered an uncovered salt pile, was improperly located directly on the curb and gutter, where concentrated runoff flows.	High	Completed		Poudel, Prem;#14	1/5/2026	1/5/2026		Salt Pile	Owner, C/O - H&R Retail	Yes	16-2026		
53.2026	7788 Sudely Rd Manassas	During inspection, the salt pile found to be uncovered and leaching into storm drain.	High	Completed		Poudel, Prem;#14	1/2/2026		During inspection, the salt pile found to be uncovered and leaching into storm drain.			Yes	15	1/29/2026	The case has found to be resolved by property management company Rappaport Management Company.
54.2026	5019 Davis Ford Rd	The County staff discovered that the significant amount of salt washed away by the rain and deposited at downstream slope and channel. The facility has seemed to be used Brightview Landscaping Company for salt storage.	High	Completed		Poudel, Prem;#14	1/8/2026	1/8/2026	During the inspection, salt debris was observed within the receiving zone of the salt storage area. The material had been displaced downslope toward the channel at the property boundary and into adjacent parking areas.	The salt storage facility	Brightview Landscape Services	Yes	18-2026	1/9/2026	The company took the proactive role to resolve the problem.
55.2026	12149 Cheshire Ct, Bristow VA, 20136	The County received a citizen complaint alleging that a neighboring resident is discharging a toxic substance from a vehicle onto the street. During rainfall events, the runoff flows in front of the complainant's driveway and enters the local storm sewer system.	High	Completed		Poudel, Prem;#14	1/9/2026	1/9/2026	During follow up inspection [1/9], observed a vehicle leaking automotive fluid on street parking Infront of 12149 Cheshire Ln. Multiple oil stain spots were on street parking close to park vehicle.	The Vehicle belongs to the owner of 12149 Cheshire Ct	The homeowner of 12149 Cheshire Ct	Yes	17-2026	1/12/2026	On 2nd Follow up [1/12], The vehicle was removed, kitty liters has been applied to absorb oil and grease. NOV was hand overed to Mr. John Richard
56.2026	10110 Sudley Manor Rd	The last few parking spots of Brandon way on the corner of Sudley manor drive including the spot directly over the storm drain have a long continuous oil stain leading to the drain entrance and into the drain. It's been going on for a long time. Both streets are owned by the state and spill is not on private land.	High	Completed		Poudel, Prem;#14	1/19/2026	1/20/2026	During inspection , County staff observed numerous oil stains within the street parking area. Several parked trucks leaking oil were identified and appeared to be associated with auto repair services operated by the tenants residing at 10110 Sudley Manor Drive.	Auto shop, Parked vehicles on street	Reported the home owner of10110 Sudley Manor Rd	Yes	Already Issued by NSD	1/20/2026	The street appeared to be routinely used for queuing vehicles awaiting maintenance or repair. NOV already issued from Neighborhood Services. The warning email has sent on 1/28/2026. The case has forwarded to PWC, NSD. The case has handled by NSD.
57.2026	900 Bay Street Woodbridge	The County received a citizen complaint reporting a strong odor caused by exposed sewage from the grinder pump located at 820 Bay Street, Woodbridge, VA.	High	Completed	Bayside Park Civic Association <baysidecivicassoc@gmail.com>	Poudel, Prem;#14	1/16/2026	1/16/2026	Upon arrival, County staff detected a strong sewage odor coming from the septic tank lid. The grass in the downstream channel appeared unusually green and overgrown relative to the surrounding area. The homeowner was not available at the time of inspection.	Septic System	The Owner of 900 Bay Street	Yes	19-2026	1/16/2026	The email sent to property owner. The case has resolved.
58.2026	8351 Collinreid Ct, Manasas, VA 20112	During inspection, the county staff discovered an unprotected salt pile at the property.	High	Completed		Poudel, Prem;#14	1/22/2026	1/22/2026	During inspection, the county staff discovered an unprotected salt pile at the property .	Uncovered salt pile	The property owner- F and F Landscaping and Home Services LLC	Yes	20-2026		The case has resolved instantly using salt for snow removal.
59.2026	8119 Leland Rd, Manassas	The County received a complaint- "The property has used to operate as an illegal mechanic shop since last 7 years, they have been allowing motor oil, gasoline, and other vehicle fluids to leak into the ground. This situation has recently become much worse due to contamination, odor noticed from the street, and ground appears saturated with oil, and active runoff is flowing into the storm drains and the creek.	High	Referred	Neighborhood Services	Poudel, Prem;#14	1/28/2026	2/25/2026	The property appears to be used for car washing, vehicle detailing, junk vehicle storage, and vehicle maintenance activities. Oil drums and containers were observed on site. These activities have resulted in multiple oil stains on the pavement. Drop inlets were observed within the parking area, which may be connected to grease interceptors, as there was no visible impact to the adjacent creek. The creek water appeared clear, with no signs of grease sheen or staining.	Carwash, Auto Shop	Hofiz Holding II LLC	No	NA		The follow up inspection has scheduled on 3/6/2026. The case referred to NSD.
60.2026	7651 Stream Walk Ln	Upon arrival, County staff observed a partially covered salt pile surrounded by a straw bale barrier. Salt debris was present on the parking lot beyond the bale barrier, as well as in the salt storage area where salt bags were stacked. The salt pile was located in close proximity to the stormwater pond, creating the potential for contamination from snowmelt and stormwater runoff during snowfall or rainfall events.	High	Completed		Poudel, Prem;#14	2/3/2026	2/3/2026	Uncovered salt pile and salt debris observed on parking lot which is located very close to storm water pond.	Salt pile and spilled salt debris	Ruppert Landscape Company	Yes	21-2026	2/6/2026	The salt pile has removed at NW location of shopping center, and covered very well with tarps and surrounded with straw bale barrier. The case closed.
60.2026	14765 Darbydale Ave	The homeowner at 14765 Darbydale Ave allows their pets (dogs) to defecate and urinate in the backyard without proper cleanup. A neighboring resident has reported an increase in rat activity, with rats observed roaming through the neighbor's garden. The unsanitary conditions may be attracting rodents and negatively impacting the neighboring property.	High	Completed		Poudel, Prem;#14	1/20/2026	2/23/2026	There was no issue anymore. The complainant said "the case has been resolved by the involvement of Prince William County Police and HOA.	Pet defecation and urination occurring on an adjacent property.	The homeowner of 14765 Darbydale Ave	No	NA	2/23/2026	The case has already resolved.

61.2026	14310 Minnieville Rd, Dale City, VA 22193	County staff observed a large trash pile on January 21, 2026, while passing through Delaney Road at the property located at 14310 Minnieville Road. The accumulated trash has the potential to contaminate stormwater runoff and negatively impact the surrounding environment and aesthetics.	High	Completed		Poudel, Prem;#14	1/21/2026	2/4/2026	Trash Piles	Trash Pile	The owner is responsible	Yes	22-2026	2/20/2026	The pile has removed. Only a broken table left on the ground which neither generate polluted discharge nor impede the flow.
62.2026	13000 Gateway Center, Gainesville	During routine inspection, County staff observed an uncovered salt pile with salt debris scattered around the pile at the Gateway Center Shopping Center. Improper salt use and storage practices may result in excessive salinity entering Broad Run River and nearby creeks through concentrated salt runoff.	High	Completed		Poudel, Prem;#14	2/9/2026	2/9/2026	During routine inspection, County staff observed an uncovered salt pile with salt debris scattered around the pile at the Gateway Center Shopping Center.	Uncovered salt pile and debris	All Out Fleet Service LLC	Yes	23-2026		The case has resolved removing the pile and cleaning all the debris.
63.2026	Access Rd to 11809 Colvin Ln	Multiple vac-trucks (20 + industrial vacuum vehicles) per day. Caller is concerned about concerned about the dumping they are doing on the property and the excess material that is dumped on the road when vehicles are coming and going.	High	Completed		Poudel, Prem;#14	2/6/2026	1/8/2026	After reviewing the complaint, the vacuum trucks using for Hydro-Excavation/ Sewer & Sanitary Pipe Cleaning use to discharge their load into 11809 Colvin Ln, the property having agricultural activities including multiple fishponds. The county staff made follow up inspection (2/6) but neither saw the bad impact to stormwater system nor seen live scene of discharge and spoke to Mr. Lucas Hall, the company staff to verify the incident.	Vacuum Truck of H2O Pipe Works	H2O Pipe Works Company	No	NA	2/6/2026	Mr. Hall accepted that the truck belongs to his company and discharge was the clear water to empty the Vac-Truck. Though it was clean water the county staff educated him to discharge designated spots.
64.2026	9401 Liberia Ave, Manassas, VA 20110	During inspection, County staff observed salt debris on the parking lot. White residue, likely caused by concentrated salt runoff, appeared to be directed toward the storm water inlet.	High	Completed		Poudel, Prem;#14	2/16/2026	2/17/2026	Observed salt debris on the parking lot. White residue, likely caused by concentrated salt runoff, appeared to be directed toward the storm water inlet.	Unprotected and scattered Salt Debris	The property owner	Yes	24-2026		The owner has resolved the issue removing debris.
65.2026	15502-15516 Lee Hwy	The property owners have tires and trash on the ground on addresses 15516 through 15502 and they are also running a business on agricultural zoning. The trash belongs to Eco Disposal Solution.	High	Referred	PWC, Neighborhood Services	Poudel, Prem;#14	2/16/2026	2/17/2026	The properties 15518–15514 Lee Highway were observed to be used for the dumping of construction and household trash and debris. An old, severely damaged, and partially collapsed house was also present on the site. Based on the available evidence, the property appears to be used for sorting and separating waste materials into categories such as metal, wood, concrete, plastics, bottles, and other debris, likely for resale or recycling purposes.	Dump out trash, litters and debris	TBD	No	NA		The activities occurring on the properties are not permitted under zoning regulations . The case was forwarded to NSD. The case has been resolved.
66.2026	13021 Destination Place	County received a citizen complaint regarding a white milky substance flowing towards Occoquan river via upstream channel. The complainant did not know what it is(?), or where its coming from.	High	Completed		Poudel, Prem;#14	2/20/2026	2/20/2026	During inspection, the surface runoff occurred in last two days brings some beavers and turbid discharge as first flush. Tracked the discharge from down stream to upstream but could not find the specific source of discharge.	TBD	Natural	No	NA		It is a natural phenomena having turbid discharge with wooden trash, which is being hold in a certain areas of tributary joining to the main flow of the river . Holding turbid water due to back up due to flooding into river.
67.2026	7702 Bethlehem Rd, Manassas VA 20109	County staff discovered salt debris was dumped and exposed to rainfall and runoff. Salt debris has been dispersed by vehicle traffic, increasing the potential for environmental contamination.	High	Completed		Poudel, Prem;#14	2/27/2026	2/27/2026	County staff discovered salt debris was dumped and exposed to rainfall and runoff. Salt debris has been dispersed by vehicle traffic, increasing the potential for environmental contamination.	Not Known, Could be snow removing contractor.	The owner is responsible.	Yes	25-2026		The case has resolved removing salt debris.
68.2026	16859 Francis West Ln, Dumfries, Virginia, 22026	Prince William County received a complaint regarding the dumping of a large heap of trash and litter in the front yard, as well as vehicles being parked on the landscaped grass area.	High	Completed		Poudel, Prem;#14	2/27/2026	3/4/2026	A closed bag of trash was observed in the front yard. While this is a common occurrence, overall housekeeping practices appeared to be poor. The complainant responded via text stating that the trash had already been picked up last on March 1st Sunday.	Household trash	The homeowner	No	NA		County staff met with the homeowner, thanked him for removing the trash from the property, and educated him about illicit discharge and its potential consequences.
69.2026	11285 Assett Loop, Manassas VA 20109	The County staff noticed the AMP-95 chemical containers, stacked in a frame configuration (two over two) near by storm drain outside the building. The labeled GHS pictograms on the containers confirm the associated hazard classifications.	High	Completed		Poudel, Prem;#14	3/2/2026	3/3/2026	The containers were empty at the time of inspection. They appeared to have previously stored AMP-95, a chemical commonly used as a pH modifier, neutralizer, emulsifier, corrosion inhibitor, detergent additive, and coating additive. The director of operation Ms. Kathleen Pion said, the containers stacked over on pavement for pick up by the vendor.	The activities of Zestron Americas	Zestron Americas, High Precision Cleaning	No	NA		The company has received the permit from PWC, DFR. The case will be referred to them for review.
70.2026	13703 Lee Hwy	The County staff reported a potential salt pile at 13703 Lee Hwy on 4th March.	Normal	Completed	Property owner	Poudel, Prem;#14	3/4/2026	3/4/2026	I conducted an inspection of the site. The material appears to be a clean sand pile, stabilized with established grass at the toe, and not a salt pile. The surrounding area consists of earth and gravel.	Different	Different Parties	No	NA		Trash with mattress, couch and tires have dumped beside sand pile. The compliance request has been sent to property owner. The case has resolved.
70.2026	14119 Minnieville Rd	County staff observed the discharging of detergent/soapy water onto shopping center walkway in front of KikiRiki restaurant. They were using the substance to scrub and clean the walkway; however, it was then being discharged into nearby drains.	Normal	Completed		Canizales, Hannah;#9		3/6/2026	There was no noticeable discharge as reported. The case has closed.	cleaning activities of KikiRiki restaurant	KikiRiki Restaurant	No			
71.2026	7969 and 7997 Wellingford Dr	During routine inspection, County staff observed an uncovered salt pile stored outdoors without adequate protection. Evidence indicates that stormwater runoff has contacted the salt and transported concentrated saline discharge from the site at the properties located at 7999, 7969, and 7997 Wellingford Dr, Manassas.	High	Completed		Poudel, Prem;#14	3/4/2026	3/4/2026		Uncovered salt pile	Avison Young	No	NA		
72.2026	2401 Opitz Blvd	A portable liquid storage tank mounted on a small towable trailer, most likely used for de-icing brine or liquid salt solution application in parking lots or roadways is park Infront of Planet Fitness has reported to investigate possible illicit discharge by the County staff.	High	Completed		Poudel, Prem;#14	3/5/2026	3/5/2026	The chemical contained tank is closed by outlet valve and lid at the top. The tank is mounted on trailer and covered with tarp.	Stored liquid in tank.	Property Mgmgt Company- Kimco Realty	No			
73.2026	10241 Brookstone Ct.	Received a complaint "A house where there's a lot of garbage on the side and the number is 10119 Sudley Manner Drive. And it would be on the, looking at the house, it would be on the right hand side. It was supposed to be investigated before, I think a day before the snow came down and everything was covered with snow, but now the snow is out and, and there's so much garbage on alongside that, that little wooden area is unbelievable.	Normal	Completed		Poudel, Prem;#14	3/5/2026	3/6/2026	Observed some trash and litters at forested ground and banks of water channel. The responsible party is Parcel M Sudley Manor HOA. The letter will be send to HOA to take care trash issues.	The homeowner 10119 Sudley Manor Dr and HOA community	The resident and some others walking through sidewalk	No	NA		The report has forwarded to property management, the American Management Company. The follow up inspection will conducted and take enforcement action if not resolved. Mgmt. Company agreed to carry out clean up shortly. case will be

74.2026	3746 Bogner Drive, Woodbridge, 22193	The complainant reported " Renters bring home worn out cars. Parking enforcement is constantly coming out due to expired inspection and tags that have expired and or do not belong on the car. They work on these cars and leave them on street."	High	Completed		Poudel, Prem;#14	3/8/2026	3/9/2026	On arrival fresh oil stains were observed on street parking area. The evidence indicates the spill occurred in a limited area and remained contained without flowing. I spoke with the homeowner referenced in the complaint. He informed me that the leaking vehicle has already been sold. The homeowner stated they will clean the affected area using kitty litter soon and will send photos once the cleanup is completed.	The car, parked on street	The car owner	No	NA	3/17/2026	The oil stains were observed to have been cleaned. Upon speaking with the homeowner, he stated that kitty litter was used to absorb the fresh oil and residual staining. Cleanup activities have been completed.
75.2026	3186 River Heritage Blvd, Dumfries, Virginia, 22026	The complaint reported an illegal dumping issue at 3186 River Heritage Blvd, Dumfries, Virginia 22026, stating that the litter was generated by the business operating at that address.	High	Completed		Poudel, Prem;#14	3/8/2026	3/9/2026	Trash and litter were primarily observed at the rear of the store. Following the inspection, I spoke with the Manager, who confirmed that cleanup will be completed within a couple of hours.	The business running at 3186 River Heritage Blvd	By product of shell gas and conventional stores	No	NA	3/9/2026	Received photos from the store manager showing the completed cleanup within two hours. Although the case is closed for now, he was advised to conduct routine inspections and perform cleanup daily or weekly, as needed based on site conditions.
76.2026	15410 John Marshal Hwy, Haymarket	The County received a complaint about the salt pile partly covered and salt runoff has entered into stormwater system at Home Depot of Haymarket.	High	Completed		Poudel, Prem;#14	3/18/2026	3/18/2026	During the inspection, we observed that the salt pile was only partially covered, allowing rain and runoff to encounter the material. Evidence of white salt crystals along the curb and gutter leading to a storm drain indicates that salt-laden runoff has entered the stormwater system during recent weather events.	Salt Pile	Home Depot	No	NA		The case has resolved with proper containment with secured tarps.
77.2026	Impacts from 7895 Brighton Way affecting 10350 Lomond Drive	Trash and debris generated from 7895 Brighton Way are not properly contained and are blowing or overflowing onto the neighboring county-owned property. The adjacent property is owned by Prince William County and is located at 10350 Lomond Drive.	High	Completed		Poudel, Prem;#14	3/16/2026	3/17/2026	Upon arrival, besides the reporting the property is found to be defecated by dog poops under the ground having signage and dog poops station.	Mostly from the Brighton Commons Condo	The residents of Brighton Condominiums	No	NA, Send email to HOA to bring their attention		The county staff completed the trash pick up. The awareness email has sent to HOA to control dog poops defecation.
78.2026	4918 Dashiell Pl	Resident complaint regarding neighbor dumping cooking oil down a storm drain nearby their house. Resident submitted video and photo evidence to support the claim.	Normal	Completed		Canizales, Hannah;#9	3/19/2026	3/20/2026	Conducted an inspection of the storm drain in question and found oil staining both on the interior and exterior of the structure.	cooking oil	Resident of 4918 Dashiell Pl	No			Sent a warning letter via certified mail to the residents of 4918 Dashiell Pl. This letter included a copy of the stormwater pollution section of the County ordinance, educational material on preventing illicit discharges, and a warning letter.
79.2026	18333 Williams Rd	sewage leakage onto neighboring property due to broken septic tank. Health Department is involved and working with the owner to rectify the septic tank issue. County Code Enforcement staff has issued a violation	Normal	Referred	Health Department/Code Enforcement	Canizales, Hannah;#9	3/23/2026	3/24/2026	Spoke to the complainant (neighbor) and they stated that the suspected discharger is working closely with the Dept of Health and Code Enforcement to rectify the situation. Neighbor also confirmed with the company that the suspected discharger hired that they are regularly pumping out the septic tank to avoid any leakage and are working to get connected to public sewer. Site visit was conducted by EMD staff and there was no sewage smell observed on site. Code Enforcement issued a violation to the homeowner and are working with them.	septic tank	resident of 18333 Williams Rd	No			
80.2026	6609 Etherington Ct	PWW referred a case to us due to a resident redirecting sewage discharge from their grinder pump into the storm drainage system.	High	Referred	Virginia Health Department	Canizales, Hannah;#9;#Uglow, Andrew;#12	3/25/2026	3/25/2026	When county staff arrived at the site, contractors were already there working on the septic system. They told County staff that they had informed the homeowner that they were not allowed to discharge their sewage to the stormwater system and shut off the property's septic pump. They informed that there was no longer any active discharging occurring and that they planned to have the system fixed this week.	grinder pump	Resident of 6609 Etherington Ct	No	NA		This case was referred to the Prince William Health Department Office. See attached email.
81.2026	4385 Dale Blvd	The County has received a complaint regarding the discharge of fluids during radiator replacement on an 18-wheeler. The complainant is concerned that this discharge may potentially contaminate nearby waterways.	High	Completed		Poudel, Prem;#14	3/24/2026	3/24/2026	Upon arrival, an 18-wheeler was present with the driver, who was performing maintenance involving radiator replacement. The curb and gutter were observed to be dry. I spoke with the driver, who stated that approximately one gallon of water was discharged while removing the radiator and was used to wash his hands. He further indicated that he purchased a new radiator and completed the replacement.	Maintenance Work	The truck driver or Truck owner	No	NA	3/24/2026	There was no strong evidence of an illicit discharge. I believed it was a gallon of water. It is a very minor case. The driver was educated about unlawful discharge.
82.2026	8105 Blandsford Dr	County staff received a complaint regarding asphalt sealant/coating being released into the storm drainage ditch while completing a job at a nearby property.	Normal	Completed		Uglow, Andrew;#12;#Canizales, Hannah;#9	3/25/2026	3/25/2026	County staff conducted an inspection of the storm drainage ditch. We met with the complainant on site and were informed that the discharge had occurred a few weeks prior. County staff observed significant staining, both on the roadway and throughout the drainage ditch.	asphalt coating	Brandon's Paving and Masonry	No			County staff called the suspected discharger and explained that discharging of pollutants to the storm drainage system is prohibited. A warning letter and educational materials were emailed to the suspected discharger.
83.2026	12691 Braemar Village Plaza	During inspections, we found the salt pile to be covered partly and prone to wash off during storm events, in addition to being very next to the curb and gutter inlet of the parking lot. The tarp was neither enough nor appropriately secured. There was evidence of the salt pile transporting into the stormwater inlet.	High	Completed		Poudel, Prem;#14	3/27/2026	3/27/2026	Observed a salt pile to be partly covered and washed away during storm events, in addition to being very next to the curb and gutter inlet of the parking lot. The tarp was neither enough nor appropriately secured.	Uncovered Salt Pile	Property Owner / Mgmt. Company	Yes	27_2026		Upon arrival, the salt and mulch piles were removed. Case closed.
84.2026	12601 Galveston Court	During the inspection, County staff observed a grease and oil container with a significant accumulation of spills around the receptacle. These spills may have resulted from either overflow or improper handling during disposal.	High	Completed		Poudel, Prem;#14	3/30/2026	3/30/2026	During the inspection, County staff observed a grease and oil container with a significant accumulation of spills around the receptacle.	Mishandling of oil and grease	Nash and Smashed Restaurant	Yes	28-2026		
85.2026	3388 Dondis Creek Dr Triangle, VA 22172	One of the staff of PWC Forest and Pest Control Management Branch has reported " soapy substance is in the water coming from the outfall of stormwater pond 858.	High	Completed		Poudel, Prem;#14	4/2/2026	4/2/2026	Upon arrival, the foam was observed the lagoon pool at outfall of SWMP 858. The presence of foam at the outfall of a pond outlet does not necessarily indicate contamination by soap or chemicals. It may result from natural processes such as organic decomposition, aeration from vertical drops or agitation, temperature changes, algal blooms, and similar factors.	SWMP 858	None	No	NA		It is a very common natural process of self purification..

86.2026	7200 New Market Court	The County has received multiple complaints on various dates regarding improper waste handling at 7200 New Market Ct., Manassas, VA 20109. Reported issues include trash accumulation around dumpsters, oil and grease spills near grease receptacles, and the storage of used oil and food waste in containers.	High	Completed		Poudel, Prem;#14	3/30/2026	3/30/2026	Upon arrival, observed discharge as reported. Discharge of pollutants into the stormwater system is a violation of County Code Sections 23.2-4.1 through 23.2-4.4. The property owner, management company, and/or tenants must immediately implement proper collection and management practices for all grease, oil, and associated residues.	Tenants from Commercial Property		Yes	29-2026		Notice of violation issued to resolve the deficiencies within 15 days.
86.2026	Kessler Pl, Manassas, VA 20109	PWC Environment Division received the email from DEQ The Virginia Department of Environmental Quality is providing this pollution report to you and/or your agency for follow-up, as necessary. Please review the report by accessing DEQ's database using the following URL: (https://portal.deq.virginia.gov/v2/prep/prepReport/322846). If you have any questions please contact Steven Fontenot.	High	Completed		Poudel, Prem;#14	3/24/2026	5/4/2026	The indicated violator could not find.	Not Identified	Not Identified				
87.2026	Street parking opposite of 10925 Inspiration Point Pl	In routed to inspection of citizen complaint, got information about additional violation of parking an oil leaking vehicle on street .	High	Completed		Uglow, Andrew;#12;#Poudel, Prem;#14	4/3/2026	4/3/2026	The leaking vehicle has confirmed of the tenant living in the basement of 10925 Inspiration Point Place. The county staff met the homeowner and tenant and bringing their attention to fix the problem. The tenant agreed to mitigate the deficiencies soon.	Parked Vehicle	The tenant living at basement of 10925 Inspiration Point Pl	No	NA		
88.2026	9005 Fletcher Farm Ct	Prince William County received a complaint regarding discharge of unknown substance (maybe paint) from trash hauling truck of Disposal Services on Fletcher Farm Ct. That is starting to go into the storm drains that goes to the two retention ponds behind their houses.	High	Completed		Uglow, Andrew;#12;#Poudel, Prem;#14	4/3/2026	4/3/2026	Upon arrival, a white line resembling a paint trail was observed running in and out of Fletcher Farm Ct, likely caused by leaking paint from a trash hauling truck. Additionally, residents were observed blowing yard waste into the cul-de-sac, which can ultimately enter the storm drain system. County staff informed residents that directing yard waste or debris into storm drains is illegal and provided education on proper disposal practices.	Trash hauling truck of Disposal Service	Disposal Service Company	No	NA		County staff informed residents that directing yard waste or debris into storm drains is illegal and provided education on proper disposal practices.
89.2026	14398 Gemstone Drive	County staff observed significant amounts of trash, litter, tires, scrap metal, and automotive parts at the property located at 14398 Gemstone Drive.	High	Completed		Poudel, Prem;#14	2/27/2026	2/27/2026	County staff observed significant amounts of trash, litter, tires, scrap metal, and automotive parts at the property.	The neighboring community as well as Unknown	Not confirmed, Could be adjacent community and others too.	No	NA	4/7/2026	The property is on underdevelopment. The construction activities will remove trash during clearing the property.
90.2026	10040 Sowder Village Square	Prince William County Environmental Division staff discovered residual salt debris along the curb and gutter, as well as in the adjacent landscaped areas.	High	Completed		Poudel, Prem;#14	4/7/2026	4/10/2026		Salt, used for snow removal activities		No	NA		
91.2026	1315 Jefferson Plaza	During CCTV inspection, County staff noticed a tracing potential illicit discharge into storm water system.	Normal	Referred	E&S Inspections Team	Poudel, Prem;#14	4/7/2026	4/10/2026	Upon arrival, a trickle flow was observed at the outfall containing a white substance and odorous material. Based on the investigation, it appears that the entire discharge originated from the newly constructed apartment complex. In addition, some of the grates over the drop inlet drains were found coated with lime-based paint. Staining observed around the drains indicates that wash water may have been discharged into the storm drainage system. A potential grey water connection is suspected from the apartment building located at the southeast corner of the property. Additionally, it is possible that residents may have dumped contaminants into the system, which could have accumulated within the sewer line and later discharged through the outfall.	TBD	Jefferson Plaza Apartments	No	NA	6/11/2026	Since the property is still under bond and the issue appears to be associated with ongoing construction activities, the case has forwarded to the team responsible for overseeing active construction sites.
92.2026	6306 Hoadly Rd Manassas VA20112	The complainant reported to the County " Reporting issue with condition of the container as there is grease spilled all around the surrounding asphalt. This is the typical condition of this container that needs to be addressed."	High	Completed		Poudel, Prem;#14	4/15/2026		County staff observed oil and grease accumulation on the pavement surrounding the grease container area. Evidence indicates that these pollutants have the potential to be mobilized by stormwater runoff and discharged into the storm drain system.	The Grease and Oil Container Users	Tenants of Hoadly Marketplace	No	Sent Warning Email		Follow up inspection was made 6/9/26. The case has resolved.
92.2026	11920 Brady Ln Manassas	Prince William County staff noticed salt bags stacking close by storm drain impeding flow to the storm water inlet.	Normal	Completed		Poudel, Prem;#14	3/27/2026	4/3/2026	Prince William County staff noticed salt bags stacking close by storm drain impeding flow to the storm water inlet. The verbal warning was given to the owner (The staff of Amazon) to remove the pile from existing location to safest point.		NA	No	NA	4/3/2026	The stacking salt has removed. The case has closed.
93.2026	6041 Occoquan Forest Drive	The complainant reported that the property owner is storing household hazardous waste (including cleaners, paints, and pesticides), along with other pollutants from unpermitted industrial operations, on a gravel driveway located on the flat area behind the property, near equipment and along the edge of the forest.	High	Referred	Neighborhood Services Division	Poudel, Prem;#14	4/15/2026	4/16/2026	During the inspection, it was determined that the source of the discharge appears to be associated with a business operating on the property by the tenant. Based on our understanding, the property is zoned A-1, and the operation of this business may constitute a zoning violation. For context, the situation involves both the property owner and tenant residing onsite, with a familial-type relationship. The complaint was submitted by the owner's daughter regarding the tenant's activities.	Commercial Activities	Property Owner / Tenants	No			
94.2026	2862 Brugundy Place, Woodbridge VA 22192	The complainant reported that a neighbor residing in the upper level condominium is allowing dog urine to be discharged below, creating a potential risk of stormwater contamination and causing unpleasant odors in the surrounding area.	High	Completed	The case has recommended to be reported to HOA of Condominium Association.	Poudel, Prem;#14	4/29/2026	4/30/2026	The County staff observed a denuded area on the ground behind 2858 Burgundy Pl on the ground. This condition may be related to repeated pet waste exposure. I did not notice any urine odor at the time of inspection, possibly due to recent rainfall washing it away.	Animal waste	Carlos Alvarez Guillen- 2858 Burgundy Pl	No	NA		The appropriate first step is to report this concern to the Condominium Association/HOA, as they serve as the initial point of contact for such issues.
95.2026	Adjacent to 13676 Greenwood Dr	On April 27th, a call was received for a dump truck leaking diesel fuel from a saddle tank into a storm sewer at 4302 Glendale Rd. The case was instantly handled by Department of Fire and Rescue with issuing notice of violation.	High	Referred	Department of Fire and Rescue	Poudel, Prem;#14	4/29/2026	4/30/2026	As per request to conformance of resolution of violation, the inspection made and found prudently mitigated with capturing oil and clean up.	The truck parked on street.	The truck owner	Yes	NA		Environment Division Recommended to DFR to close the case.

96.2025	14720 Lee Hwy	One of the County staff reported oil and grease spills around the Valley Proteins container at Gainesville Commons. Trash and litter were also observed behind the shopping center.	High	Completed	Email sent to the property owner	Poudel, Prem;#14	5/1/2026	5/1/2026	The case was found the same what reported by the County staff on April 28th. The email has sent to property owner on 5/5/26.	Tenants of Gainesville Commons	The grease container users/Tenants	No	NA	5/12/2026	The spill oil and grease including trash are potential for contaminating runoff. The awareness email will sent to the owner soon. Follow up inspection made on 5/12/26, 6/30/26 respectively. The grease containers were replaced by new ones. The county will do follow up until complete resolution on next fiscal year.
97.2026	10801/101795 University Blvd.	The oil discharge happened from ATCC development site through the generator was came to EMD notice on 04/30/2026. The significant amount of oil has been discharge into forebay of SWMP 286.	Critical	Referred	DEQ, PWC DFR	Uglow, Andrew;#12;#Poudel, Prem;#14	4/30/2026	4/30/2026	On April 30, 2026, EMD staff responded to a call from the PWC Fire Department and visited the site at 10801/10795 University Blvd. Upon arrival, Fire Marshals were on site assessing the situation. Observations indicated that diesel fuel had discharged from the generator area, infiltrated the surrounding gravel, and flowed onto a partially paved roadway. The fuel then entered a nearby storm drain and ultimately discharged into the on-site stormwater basin.	Leakage through the interconnected pipe of generators	The contractor,Coakley & Williams Construction (CWC)	No	NA	5/5/2026	The Virginia Department of Environmental Quality (DEQ) and the Department of Fire and Rescue are leading the investigation and response.
98.2026	2700 Potomac Mill Circle	During the routine inspection, County staff observed overflow and improper disposal of oil and grease around the receptacle storage area. The spilled substances appeared to have mixed with stormwater runoff, entered the storm drainage system, and discharged through the outfall into Stormwater Management Pond 555.	High	Completed		Poudel, Prem;#14	5/7/2026	5/7/2026	The oil and grease spill appeared to have mixed with stormwater runoff and entered the storm drainage system.	Restaurant running at Food Court	Tenants of Potomac Mall (Restaurants)	No	Send request letter to resolve the problem.	6/4/2026	The case was resolved for now. It is a high risk areas of discharging fat, oil and grease. The county will do follow up inspection periodically.
98.2026	12004 Mastbrook Ln, Manassas	Prince William Water forwarded a sewage discharge incident originating from a septic system and affecting the neighboring property at 12004 Mastbrook Ln, Manassas. The complainant stated that the neighbor has been pumping sewage into roadside ditches and expressed concern that the issue may impact nearby well water. The complainant requested water quality testing.	High	Completed		Poudel, Prem;#14	5/5/2026	5/5/2026	Upon arrival, County staff did not observe any active sewage discharge affecting the property located at 12004 Mastbrook Ln. Staff met and interacted with the complainant on site. The complainant explained that the resident of 8346 Cobb Rd had allegedly been discharging sewage into a roadside ditch, which ultimately flows downstream and potentially contaminates his water well. The complainant also stated that he had reported the matter to the Department of Health several months ago.	Septic Tank discharge	The owner of 8346 Cobb Rd	No	NA		No evidence of active sewage discharge or impacted flow was observed. Since no live discharge or visible evidence was identified at the time of inspection, the case is being closed.
99.2026	2700 Potomac Mill Circle	During the routine inspection, County staff observed overflow and improper disposal of oil and grease around the receptacle storage area. The spilled substances appeared to have mixed with stormwater runoff, entered the storm drainage system, and discharged through the outfall into Stormwater Management Pond 555.	High	Completed		Poudel, Prem;#14	5/7/2026	5/7/2026	The oil and grease spill appeared to have mixed with stormwater runoff and entered the storm drainage system.	Restaurant running at Food Court	Tenants of Potomac Mall (Restaurants)	No	Send request letter to resolve the problem.	5/26/2026	The property management company hired the contractor and completed the work to mitigate the deficiencies.
99.2026	7695 Hemsdale Place	During dry weather monitoring, County staff observed an unhoused encampment with a significant amount of trash and litter within the preserved buffer area. A stormwater inlet is located in close proximity to the encampment, creating a potential source of illicit discharge to the stormwater system.	High	Referred	Neighborhood Services, FirstService Residential East	Poudel, Prem;#14	4/21/2026		During inspection, a big source of litter and trash was discovered from unhoused encampment. Environment division will coordinate with Neighborhood Services to resolve this problem.	Unhoused Encampment	Resident of unhoused encampment	No	NA		Since the encampment areas is located in HOA property, the case has forwarded to FirstService Residential East, the property management company to resolve the problem.
100.2026	12517 Trotter Ct, Appaloosa Drive, Sulky Ct.	The complainant reported " Just wanting to let you know it happened again after two years. Gasoline all over the roads in the Appaloosa and Trotter ct. area immediately after the trash pickup. It's all washing down the storm drains.	High	Completed		Poudel, Prem;#14;#Uglow, Andrew;#12;#Curtis, Nikki;#24	5/11/2026	5/11/2026	The County staff conducted a site inspection in the Trotter Ct., Appaloosa Drive, and Sulky Ct. areas. There was no visible evidence of dripping oil or a colorful sheen entering the storm drain system. Since it had rained shortly before the inspection, any gasoline residue or sheen that may have been present could have been washed away prior to arrival.	Trash Hauling Truck	Trash Hauling Company	No	NA		
101.2026	14900 Turtle Point Dr, Gainesville VA 20155	The county staff observed salt debris on adjacent landscape of parking lot.	High	Completed		Poudel, Prem;#14	5/7/2026	5/12/2026	As the amount of debris was not big, the salt debris left on landscape at the time of reporting has been washed away.	Property Owner/ Snow Removal Vendor	Snow Removal Contractor	No	NA		The debris was almost melted with rain and washed away.
102.2026	15917 Donald Curtis Drive	The complainant reported that their neighbor is likely operating an automotive business from the residence, including changing oil in the driveway. Concerns include overcrowding of vehicles, conducting auto repair services on the driveway, and contaminating stormwater runoff.	High	Referred	The case will be forwarded to Neighborhood Services.	Poudel, Prem;#14	5/13/2026	5/14/2026	The property was found to be used for home auto services, having vehicles in ques. The driveway was oil spilled and highly stained .	Home Auto Services	The tenant Mr. Osman Abdel	No	NA		The case has forwarded to NSD for further steps.
103.2026	11101 University Blvd	County staff observed white staining tracing from a salt pile to the storm drain. The salt pile is covered, but the cover is not adequately secured, allowing rainwater to infiltrate and potentially come into contact with the salt.	High	Completed		Poudel, Prem;#14	5/15/2026	5/15/2026	During a routine inspection, County staff observed a salt pile stored on the parking lot. White staining leading toward the storm drain indicated that salty runoff had been flowing into the stormwater system. Salt debris was observed in multiple locations within the adjacent landscaped areas, and dead grass was noted. In addition, large amounts of trash, including food packaging, cups, cans, paper, food waste, and numerous beer bottles, were found scattered throughout the property.	Salt Pile on Parking Lot	The Property Owner / Vendor	No	NA	5/28/2026	Follow inspection made on 5/28. The deficiencies were found to be mitigated.
104.2026	14916 Minnieville Rd, Manassas 20112	A container with used motor oil has placed on the bike/walking path on south bound Minnieville Rd near the VDOT drainage point & John Mallard Dr.	High	Completed		Poudel, Prem;#14	5/18/2026	5/18/2026	A container with used motor oil has placed on the bike/walking path having 2/3rd full.	Used oil	Unknown	No	NA		The bucket has hauled by the County staff and dispose at designated place.
105.2026	14850 Alps Drive Woodbridge 22193	The Environment Management received a citizen complaint - broken plywood boards placed against the "adopt this spot" sign.	Normal	Completed		Poudel, Prem;#14	5/18/2026	5/18/2026	Upon arrival, broken pieces of plywood was placed against the post having "Adopt this spot".	Unknown People	Unknown	No	NA		
106.2026	9555 Discovery Blvd	The County staff observed a salt pile very close to stormwater inlet, not secured properly resulting salty runoff into stormwater system and eventually downstream waterways.	High	Completed		Poudel, Prem;#14	5/28/2026	5/28/2026	The County staff observed a salt pile very close to stormwater inlet, not secured properly resulting salty runoff into stormwater system and eventually downstream waterways.	Unsecured Salt Pile	The owner/ vendor	No	The warning email sent to the owner		The pile has removed. Email has sent to Mr. McCabe to address the minor deficiencies about leaving salt debris.

107.2026	11986 Holly View Dr, Woodbridge, VA 22192	Prince William County's Environmental Management Division received a complaint regarding the dumping of yard waste, including grass clippings and leaf litter, onto the roadway. This practice has resulted in the obstruction of the drainage system and poses safety hazards to cyclists. Additionally, the decomposing organic material can contribute excess nutrients to nearby water bodies, increasing the risk of algae blooms in the lake.	Normal	Completed		Poudel, Prem;#14	6/1/2026	6/2/2026	During the inspection, County staff found no evidence of yard waste being dumped onto the roadway. Staff met with the homeowner and discussed the reported concern, emphasizing the importance of proper yard waste management and disposal practices. The homeowner was advised to prevent any similar occurrences in the future.	Yard of 11986 Holly View Dr	The owner of 11986 Holly View Dr	No	NA		The complainant stated that she personally collected the grass clippings and leaf litter left by her neighbors to demonstrate the impact of their actions and encourage them to be more considerate of the community and refrain from repeating the behavior.
108.2026	SWMP 444	Prince William County, Environmental Management received a complaint regarding dumping grass clippings, leaf litters, lumber, tree stumps, dirt etc. into the buffer of pond located nearby commuter parking.	High	Completed		Poudel, Prem;#14	6/10/2026	6/11/2026	Observed house appliances, tires, trash, litters, wood lumbers etc at the buffer of SWMP 444 from Commuter Parking Lot. The violator could not find as it is a public place. The clean up activities will be planned periodically.	Not Identified	Not identified	No	NA		
108.2026	13455 Telegraph Rd	Prince William County Environmental Management received a complaint regarding the dumping of grass clippings, leaf litter, lumber, tree stumps, dirt, and other debris within the pond buffer area located near the commuter parking lot.	High	Completed		Poudel, Prem;#14	6/2/2026	6/2/2026	Upon arrival, all reported waste including tires, Styrofoam, household appliances etc. from commuter parking lot. It has noticed already while taking water samples from the pond. We will discuss in our team meeting to find out the best option to resolve this problem.	TBD	TBD	No	NA	8/27/2026	The pond buffer areas is connected with commuter parking lot. It is hard to find violator. EMD will have find out the best solution what we can do on following fiscal year.
109.2026	17312 Batestown Rd, Dumfries VA 22025	The County received a citizen complaint regarding dumping concrete, asphalt and trash into storm drain.	High	Completed		Poudel, Prem;#14	6/3/2026	6/4/2026	Upon arrival, piles of milling asphalt were observed along the roadside, with portions of the material deposited within the drainage ditch. During the inspection, it was determined that the milling asphalt had been brought to the site by Sahnnie Kendall for road resurfacing purposes. Although the material was placed on properties owned by others, the roadway serves as an access easement to a landlocked property that is bounded by other private properties.	Milling Asphalt Piles	Sahnnie Kendall_17310 Batestown Rd	No	NA		This matter appears to stem primarily from a dispute between neighboring property owners. The County does not possess a drainage easement. The case has closed.
110.2026	14102 Baneberry Circle	Prince William County Environmental Division staff received a voicemail reporting a persistent bad odor spreading through the neighborhood for the past week and a half. The caller requested an investigation and assistance in resolving the issue.	High	Completed		Poudel, Prem;#14	6/8/2026	6/9/2026	Upon arrival, County staff did not detect any objectionable odor in the backyard; however, a very faint odor was noticed in the front yard. The property is not connected to a sanitary sewer or stormwater sewer system, except for utility laterals. An interaction was conducted with Mr. Allen, the complainant. During the site visit, neither County staff nor Mr. Allen detected any significant odor or identified a potential source of the reported foul smell. Based on field observations, County staff suspected that the faint odor may have been associated with recently applied weed-control pesticides or fertilizer.	Did not confirm.	Unknown	No	NA		County staff will remain in communication with the homeowner and continue to monitor and investigate the matter as necessary to help identify and resolve the reported odor issue.
111.2026	2880 Prince William Pkwy	Oil and grease spills were observed around the waste receptacle area located behind the shopping center. These pollutants have the potential to be transported by stormwater runoff into nearby storm drains and ultimately discharged into local waterways, resulting in water quality degradation and environmental impacts.	High	Completed		Poudel, Prem;#14	6/10/2026	6/10/2026	Upon arrival, County staff observed oil and grease spills in the waste receptacle area located behind the shopping center. Oil and grease stains were present adjacent to the dumpster and grease containers, and the staining pattern indicated that pollutants had migrated toward and potentially entered nearby stormwater inlets. A significant accumulation of waste food was observed on the grating of a container that was left open lid, allowing rainwater to enter and come into contact with the waste material. Additionally, a plastic tube containing grease and fat residue was observed extending into a nearby manhole. These conditions present a risk of pollutant discharge to the stormwater system and may adversely impact downstream water quality.	The restaurants	Tenants	No	NA		The case has resolved by the mitigation of all deficiencies
112.2026	6928 Sunday Silence Ct, Gainesville, VA 20155	The County has received a citizen complaint regarding the disposal of pet waste generated from grooming activities onto the ground, which has entered the stormwater system.	High	Completed		Poudel, Prem;#14	6/12/2026	6/12/2026	A follow-up inspection was conducted; however, no evidence of the reported discharge entering the storm drain was observed. County staff contacted the wife of Mr. Michael Huskey at the residence, and Mr. Huskey later returned the call. Since the reported incident was not observed during the inspection, Mr. Huskey was advised to contact the HOA first, as it may be better positioned to address activities occurring within the community. The County will take further action if sufficient evidence of a violation is provided.	Mobile Pet Grooming	Unknown	No	NA		No evidence of the reported unlawful activity was observed during the inspection. The complainant was advised to contact the HOA first, as it may be in a better position to address the concern. The County will take further action if needed.
113.2026	Street infront of 13608 Rush Drive, Woodbridge	The County received a complaint running auto service on residential street by the home owner 13608 Rush Dive,. high likelihood of hazardous automotive fluid spills (oil, coolant, brake fluid) seeping into the public storm drains.	High	Completed		Poudel, Prem;#14	6/10/2026	6/10/2026	Observed commercial auto repair activities on the street. Multiple oil-stained areas were present, but no active discharge to the storm drain was observed. Verbal instructions were provided to stop commercial auto repair operations on the street, apply oil absorbents, and clean all existing oil stains. The follow up inspection will be conducted to be assure in future.	Jose Rafael	The Auto Mechanic- Jose Rafael, HO- 13608 Rush Dr.	No	NA		Observed oil patches, asked to the Mechanics to apply absorbent and stop running business on street.
114.2026	4785 Kelly Rd, Woodbridge VA 22193	The Environmental Management Division received a complaint alleging that soil was being imported and dumped in the rear yard, resulting in alterations to the existing landscape. According to the complainant, the activity has been ongoing since early July, with approximately 12 truckloads of soil delivered per day using two to three dump trucks.	High	Referred	Erosion and Sediment Control, NSD, Development Services	Poudel, Prem;#14;#Uglow, Andrew;#12	6/18/2026	6/22/2026	The county staff observed a massive backfill up to 5-6 foot on properties.	Outsourcing dirt	Mr. Antonio Calderson, the HO - 4785 Kelly Rd	Yes	NA, Issued by another department.		

115.2026	10523 Moonglow Ct,	The county received a complaint regarding the application of chemical to control regrowth while cut down all bamboos at HOA property. The concern of complainant is environmental and stormwater pollution.	High	Completed		Poudel, Prem;#14	6/18/2026	6/18/2026	During the inspection, County staff observed that the bamboo vegetation adjacent to Lake Jackson Drive had been cleared. No chemical odors or other evidence of recent herbicide application were detected. Runoff from the area drains to Dry Pond SWMP 446. Vegetation within the downstream drainage channel and around the inflow pipe appeared healthy, with no visible signs of stress, discoloration, or vegetation die-off that would indicate impacts from chemical exposure.	Chemical Spray	HOA or the Vendor of HOA	No	NA	6/23/2026	Very negligible impact noticed as the grass of the channel after the outfall is well without die-off grass.
116.2026	14505 Lee Hway Gainesville VA 20155	The County received a citizen complaint regarding the alleged discharge of road debris resulting from street-flushing activities and the direct discharge of residual tanker water into Broad Run Creek. The incident was reportedly observed on June 19, 2026.	High	Referred	DEQ, VDOT	Poudel, Prem;#14	6/23/2026	6/24/2026	Upon arrival, County staff did not observe an active incident involving the flushing operation or the discharge of water into Broad Run Creek. During the inspection, staff met with the property owner, Mr. Conrad Holtslag, who operates Vista Lake Manassas LLC. Mr. Holtslag acknowledged that a water tanker is routinely used to flush Lee Highway and that the remaining water from the tanker is subsequently discharged into Broad Run Creek. In addition to the reported activity, County staff observed a separate discharge originating from the business bypass area that was flowing directly into the creek.	Business- Running at 14505 Lee Hway	Vistas at Lake Manassas LLC	No	NA		The business running at the property is VPDES permitted business which impaired the county's water directly. Since the business is permitted by DEQ, the inspection report will be sent to DEQ.
117.2026	15324 CARDINAL DR, WOODBRIDGE, 22193	The County received a citizen complaint regarding an alleged home-based business operating from a residential property. According to the complaint, the business accepts waste materials and discharges waste from the site. The reported activity may constitute a zoning violation due to the operation of an unpermitted business within a residential area.	High	Referred	PWC- NSD, DOT, Police and VDOT	Poudel, Prem;#14	6/25/2026	6/25/2026	Inspection made at 15324 Cardinal Drive on 6/25 regarding a complaint. During the inspection, I observed that both the soil dumping and the automotive-related activities appear to be zoning violations. More than 21,000 square feet of land has been disturbed. The dumped soil is beginning to obstruct the existing drainage channel, which could result in sediment laden runoff entering the channel during heavy rainfall events. The unpermitted automotive activities also present a potential risk of illicit discharges associated with the apparent zoning violations.	Automotive and dumping outsourcing soil	Mr. Muhammad Mujahid Khanlodhi- The homeowner	No	NA		Based on these observations, I recommend forwarding this case to Neighborhood Services for further investigation and enforcement.
118.2026	Hornbaker Rd Nokesville_Nearest address 11201 Partnership Ln Manassas, VA 20109	The county staff observed a crane discharging oil on Hornbaker Rd of Nokesville Infront of 11201 Partnership Ln Manassas, VA 20109.	High	Referred	VDOT	Poudel, Prem;#14	6/24/2026	6/29/2026	Observed oil stains on road about 2-mile distances. The spill happened in VDOT right of way.	The Crane	The crane operator	No	NA		The spilled material appears to have remained on the asphalt surface as an emulsion, despite the heavy rainfall yesterday morning. Based on my observations, I recommend closing the case at this time.
119.2026	14079 Richmond Hwy	The County received an information regarding an auto shop has over 100-gallon containers on the ground by their dumpsters, many of which are leaking motor oil and transmission fluid. The material has impacted onto concrete and soil.	High	Completed		Poudel, Prem;#14	6/26/2026	6/30/2026	Upon arrival, several empty oil containers and multiple used oil containers, some still containing oil, were observed placed outside the dumpster enclosure. Kitty litter had been applied to absorb oil spills in the area. Numerous oil stains were observed throughout the parking lot, consistent with vehicle maintenance and automotive service activities. County staff contacted the store manager, Mr. Robert Schaffer of Advanced Auto Parts, by telephone during the inspection. Mr. Schaffer stated that disposal of used oil into the on-site waste oil storage tank has been suspended because the waste oil collection vendor refused to service the tank after detecting objectionable substances mixed with the collected used oil. Mr. Schaffer also stated that Advanced Auto Parts has attempted to contact the property management company regarding the ongoing maintenance concerns but has not received a response. As a result, there appears to be no responsive property management representative addressing conditions necessary to maintain the property in a safe and environmentally responsible manner.	Spilled oil and stock of oil containers or gallons.	The property owner_Advanced Auto Parts	Yes		8/26/2026	It is best to issue NOV to owner and cc to property management company and tenants (Advanced Auto Parts) as well. The Ultimate responsible is the owner. 2nd follow up inspection[8/26] made, the case found to be resolved removing all oil containers and capturing spills as well.

Appendix K

Spill Response Summary

Prince William County: Fire Department Hazmat

Date	Location	Incident Report #	Cause of Release	What surface was impacted?	Material spilled	Quantity	Stormwater Impact? (Y/N)	DEQ/EOC Notified? (Y/N)	Description / How it was resolved
7/11/2025	Coppermine Dr, Manassas, VA 20109	2025-0040316-000	Container or containment failure	Water and ground	Paint, latex	Unknown	Y	Y	Duty HM Captain Peele completed a phone consult with PE522 OIC Captain Harry Wood. PE522 responded to Coppermine Drive for a vehicle fire. Upon arrival they found an open trailer, not attached to a vehicle, with contents burning on the trailer. After extinguishment Wood noted that the water runoff appeared slightly cloudy. Upon further investigation they found several burned up paint cans that appeared to have leaked white paint. Due to the progression of the fire and amount of water used, Wood was unable to determine the number of paint cans or accurately estimate how much paint was in any of the cans. Due to the paint mixing with the water, it appeared to be latex based. PE522 used absorbent to contain runoff along the roadway. It did appear that approximately 300' from the trailer, a trivial amount of runoff entered a storm drain. There was no indication of the runoff traveling beyond the entrance after further investigation from PE522. Duty FM Lt. Justin Lefever was on the scene and arranged for Horton's Wrecker Service (703-530-7700) to remove the abandoned trailer and clean the absorbent. The trailer had no tag or VIN markings present and was considered "abandoned property in a public roadway". Ben at the VA EOC was notified at 17:00 and Peele gave report. Peele spoke with Alan Lacy (VA DEQ) at 17:15 to explain the situation. Alan stated that based on the information provided, DEQ did not need to take any
7/14/2025	13643 Dodsworth Dr, Bristow, VA 20136	2025-0040845-000	Unintentional release	Asphalt	Diesel exhuast fluid	3 gallons	N	N	PE525 requested our assistance with a DEF leaking roughly 3 gallons. Initially PE525 thought the liquid was Diesel fuel due the vicinity of the damage. The owner of the vehicle that was hit said he had roughly 3/4 fuel in the tank. Upon further inspection the line that was leaking was the DEF line and it only had roughly 3 gallons in it according to the owner. Pictures were corrupted and I was unable to upload. LEPC for was given to the party responsible, HM506 in service.
7/16/2025	Fitzwater Dr, Nokesville, VA 20181	2025-0041298-000	Container or containment failure	Asphalt	Diesel fuel	10 gallons	N	Y	Engine 505 was dispatched for a HAZARD call at the intersection of Aden Rd/ Fitzwater Dr. E505 personnel arrived on the scene and found a dump truck that had leaked fuel onto the road from one of the saddle tanks on the truck. Technician Salazar from E505 contacted DHM for a phone consult. Tech. Salazar stated that the driver believes up to 30 gallons of diesel fuel had spilled onto the roadway. He also stated that E505 personnel had placed a dirt dike that contained the fuel on the ground and that no fuel had entered into a nearby storm drain. Technician Salazar also advised that driver had been exposed to diesel fuel while temporarily stopping the leak. He was advised to decon the driver with a hose line and that the driver did not need and further assistance from the fire department. Leak was also stopped by the driver, and Waggy's Towing had been contacted to tow the vehicle and clean up the fuel left on the ground. No further action was deemed necessary, and consult was ended. DHM followed up with Waggy's Towing and they stated that they used absorbent and a bobcat to clean up the fuel and dispose of it. Incident was reported to VA EOC.

8/13/2025	Solitary Pl, Bristow, VA 20136	2025-0047185-000	Unintentional release	Ground	Hydraulic fluid	less than 2 gallons	N	N	At 11:19 hours on Wednesday, August 13, 2025 FM525 initiated a HazMat consult with HM506, FM525 indicated they were on scene at Solitary Place in Bristow for a hydraulic oil leak from a piece of machinery of less than 2 gallons. FM525 requested a phone consultation with HM506 for advise for if an LEPC form was required for the operators of the faulty equipment. FM525 Advised that the proper process to remediate the leak was currently being conducted and handled by the responsible party to the satisfaction of Fire Marshalls on scene. FM525 indicated the area impacted by the hydraulic oil leak was small and was not of a reportable quantity. HM506's DHM was direct on FM525's explanation of the mitigation efforts, and advised that LEPC form distribution was not necessary if the responsible party had initiated proper cleanup and remediation efforts that were satisfactorily being handled under the observation of the Fire Marshalls on scene. HM506 requested that communications clone the incident to the FD as "HAZMAT RPT" to generate this report.
8/26/2025	PW Parkway / Balls Ford Rd, Manassas, VA 20109	FD250036071	Vehicle Collision	Water and ground	Vehicle fluids	10 gallons	Y	Y	Rescue 506 was dispatched to an auto accident at the dispatched location. Lt Lind (DHM for the shift) contacted the incident commander (BC Artone) via cell phone to discuss the hazardous materials leak. BC Artone advised that there was approximately 10 gallons of engine oil and other fluids that had leaks out of the truck as a result of a collision. The vehicle fluids were running down hill along the shoulder and approached a storm drain. Crews initially on scene damned in front of the storm drain, but some of the fluids entered the storm drain. R506 AOS and assessed the situation. After the assessment, fluids did enter the storm drain, but did not get down into the drainage pipe. The fluids were contained to the initial “drop off” inside of the storm drain. The driver of the truck was located and an LEPC form was issued. The owner of the trucking company, Ceasar, arrived and the LEPC was also issued to him. I also explained the LEPC form and advised him of his responsibility for proper clean up. Roadrunner Wrecking Service arrived to handle the truck. I confirmed with the driver where the fluids had entered the storm drain and he stated that they would take care of it. No other hazards were noted, and R506 cleared the scene.
8/27/2025	5901 Antioch Rd, Haymarket, VA 20169	2025-0050204-000	Container or containment failure	Asphalt	Mineral oil	8 gallons	N	N	At 11:19 hours on Wednesday, August 27, 2025 HM506 was contacted for a consult at 5901 ANTIOCH Rd HAYMARKET (STATION 524) for an oil or other combustible liquid spill. The last unit cleared the scene at 11:22 hours. Duty HM Captain Peele was contacted by Station 524 OIC Lt. Wilson. Digging and Rigging had a crane truck working on the property at station 524 and while it was parked on the front ramp a hydraulic line failed and approximately 8-12 gallons of fluid spilled in a 12' X 8' area of asphalt and concrete. Lt. Wilson issued an LEPC to Dennis Gernat, Safety Manager of Digging and Rigging. The company used absorbent on the spill and collected it for proper disposal off site.

9/19/2025	13060 Hansen Farm Rd, Bristow, VA 20136	2025-0055180-000	Container or containment failure	Asphalt	Hydraulic fluid	less than 2 gallons	N	N	HM506 was dispatched to this incident at 11:47 hours. We arrived on scene at 11:48 hours. The primary task performed by our company was information, investigation & enforcement. Phone consult was made by E522 Officer directly to DHM cell phone. E522 was on scene of a tipped over construction vehicle (telehandler) that was leaking hydraulic fluid. When the incident occurred, it cracked the hydraulic tank of the telehandler that allowed a slow leak to occur. It was described a 1 drop every 5 seconds. E522 officer stated they had placed a bucket under the leak to capture the hydraulic fluid. E522 officer advised there was a small puddle of hydraulic fluid that was on the ground, not travelling anywhere and not effecting any waterways. The rental company that owned the telehandler was on site and advised they would be responsible for cleaning it up with a crew on the way. No further action needed from HM506. HM506 went in service.
10/26/2025	156 I95 S Hwy, Woodbridge, VA 22193	FD250045312	Vehicle Collision	Asphalt	Diesel fuel	20 gallons	N	Y	DHM, Captain Lind, fielded a phone consult from PE520's OIC (Captain Wharam). He advised that they were on the scene of an auto accident (sedan vs. semi) and the saddle tank of the semi had ruptured. He advised that they had approx. 20 gallons of diesel that had already spilled onto the roadway. He also stated that the product was not entering into any waterways, just the median. I advised Capt. Wharam to deploy pads, absorbent, and a pop-up pool if available to contain the leak. The decision was made not to respond down to the interstate due to the time/distance. A rotator was requested by VSP. I instructed Capt. Wharam to call back if additional resources or supplies were needed. The VA EOC was contacted.
10/28/2025	Hansen Farm Rd / Wellington Rd	FD250063530	Improper Storage	None	Motor oil/hydraulic fluid	25 gallons	N	N	Phone consult fielded by Captain Lind (DHM) from FM525 (Lt. Hart). Lt. Hart stated that a call/complaint was received regarding 5 gallon buckets on the side of the road at the incident location. He stated the buckets were not leaking and appeared to be motor oil and hydraulic fluid. The buckets were off the roadway and no hazards were present. I advised him to contact VDOT for removal. No other hazards were noted. Around 1145 hrs, Lt. Hart let me know that VDOT was enroute to mitigate the hazard.
11/17/2025	Ashton Ave, Manassas, VA 20109	2025-0067933-000	Vehicle Collision	Ground	Diesel fuel	5 gallons	N	N	HM506 was dispatched to this incident at 19:44 hours. We arrived on scene at 20:02 hours. The primary task performed by our company was hazardous materials spill control and confinement. Haz Mat 506 was dispatched for a report of fuel leaking from saddle tanks on a tractor trailer after an auto accident. HM506 aos to find E522 crew had contained the leak by placing dirt and absorbent as well as two pop up pools. They had also used gum to greatly slow the leak. R505/HM506 completed securing the leak. Redmans towing was already on scene and stated that they could handle clean up. R506 spoke with driver and company representative who agreed to Redmans as the clean up agency. In total about 5 gallons of diesel was released onto the ground with several more gallons being contained in the pop up pools. No diesel entered any waterways. E522 remained on scene to insure clean up. TOT PD and E522.

12/16/2025	5424 Quantas Pl, Woodbridge, VA 22193	2025-0074003-000	Vehicle Fire	Water and ground	Gasoline	15 gallons	Y	Y	Originally notified by E526 via phone consult. E526 was dispatched for a car fire, upon their arrival, vehicle was well involved. Vehicle owner advised that he just filled the car with gasoline, approximately 15 gallons. Once suppression efforts were complete, E526 crew noticed that there was an odor of gasoline coming from the runoff of the car in a grass lined ditch. Runoff was found to be going into a storm drain. E526 crew made a dam in the ditch with absorbent in an effort to contain the runoff. Upon arrival of E506 and HM506, E526 officer and FM explained the situation and concerns. Co. 506 crew split to find the discharge point of the ditch and begin testing water for gasoline. Storm grate and manhole cover were opened to test runoff. Multiple areas were tested with negative findings. Another area of concern was immediately next to the roadway where approximately 1/2 quart of motor oil mixed with water from suppression was pooled and contained with dirt. See attachments. It was deemed that no further action was necessary. Scene turned over E526 and vehicle owner. See E526 report for further details.
12/23/2025	11005 Reid Ln, Nokesville, VA 20181	2025-0075723-000	Vehicle Collision	Ground	Diesel Fuel	25 gallons	Y	Y	Motor vehicle accident that involved a dump truck that had driven off the road and overturned landing on driver side in a creek. Initial incident started at approximately 1432hrs. Dispatched at 1452hrs as a single engine response. Upon arrival of E505, it was upgraded to Hazmat incident (1505hrs) due to diesel fuel in water way (South Run). It was estimated that approximately 25 gallons of diesel fuel had spilled from a ruptured saddle tank. As additional manpower arrived, all hands were used to create an earthen dam to contain product. E525 officer reported that spill appeared to be contained in an area approximately 25’ x 45’. The stream had very little flow through the area. Co. 6 (E506, HM506 & R506) arrived on scene and began to assess the situation. E506 officer met with E505 and E525 officers to get a situation report. FM523 had already begun the LEPC process. R506 officer began managing the operations portion of the incident. Crews from E506 and R506 set booms at 45’ and 90’ from source. Oil test paper was used to check for contamination downstream side of the earthen dam and boom set (45’ from source), at the 90’ boom set and an additional 50’ downstream, beyond to 90’ boom set, all showing negative for product. Once these findings were confirmed, E506 officer recommended reducing assignment to only Co. 6 units. Scene was turned over to PD and vehicle owner. Notifications are being made to DEQ and VDOT. VDEM has been notified, Moore provided an incident number of – VDEM-2025-12-23-0081.

1/6/2026	154 S I95 Hwy, Dumfries, VA 22025	2026-0001142-000	Container or containment failure	Asphalt	Diesel fuel	50-60 gallons	N	Y	HM506 was dispatched to this incident at 13:29 hours. We arrived on scene at 13:39 hours. The primary task performed by our company was hazardous materials leak control & containment. DHM / Capt. Lind fielded a phone consult from Capt. Reader on PE510. He advised that they were on the scene on I95 at the 152MM SB with a ruptured fuel/saddle tank on a tractor trailer. Capt. Reader advised that there was approx. 50-60 gallons of diesel fuel on the right shoulder of the roadway. Fuel did not enter into any waterways or storm drains, and defensive measures had been taken. Capt. Reader advised the tank was still leaking and could not be secured. PE506, R506 and HM506 responded to the scene. Company 6 units AOS and contained the leaking product and secured the leak at the saddle tank. Putty was used to temporarily seal the rupture, and a pop up pool was placed underneath as a secondary leak containment device. More absorbent was used to absorb additional product on the roadway. The driver was issued an LEPC form by Capt. Reader, and the driver had already contacted a tow company (Road Runner of Woodbridge.) It was explained to the driver that he and his company was the responsible party for the fuel spill, and to work with the tow company to completely clean up all of the product from the roadway. VSP was also on scene and updated on the process and what needed to happen. Company 6 units returned to service and returned to station 6. -The VA EOC was contacted at 1515 Hours (spoke with Brian) as a courtesy notification. The VA EOC was already contacted by VSP for this incident. -Driver was provided the LEPC by Capt. Reader prior to our arrival on scene. -Driver's company had contacted the tow company (Road Runner)
1/16/2026	8566 Sudley Rd, Manassas, VA 20110	2026-0003216-000	Container or containment failure	Water and ground	Coolant	50 gallons	Y	Y	On the listed date, time, and location PE511 requested a phone consult in reference to a HAZARD at 8566 Sudley Rd. PE511 advised that a box truck was leaking coolant. The driver estimated that approximately 50 gallons of coolant leaked. The leak had stopped. The leak traveled to a storm drain at the intersection of Rolling Rd and Hospital Way. There was a small pool in the storm drain. PE511 put down absorbent and pads along the trail of the leak. PE511 damned the entrance to the storm drain to prevent any further product entering the drain. They checked a storm drain downstream and advised it had not traveled any further. All product was contained by PE511. PE511 made notification to the City of Manassas Fire Marshall. PE511 provided the responsible party with an LEPC form. HAZMAT response to the scene was not required. Pictures of the scene are attached. VAEOC was notified.
1/17/2026	13712 Dumfries Rd, Manassas, VA 20112	2026-0003523-000	Container or containment failure	Ground	Diesel fuel	15 gallons	N	Y	At 20:26 hours on Saturday, January 17, 2026 ([FILL_IN]-Shift), we responded to 13712 DUMFRIES Rd MANASSAS (STATION 506) for a gasoline or other flammable liquid spill. The last unit cleared the scene at 20:27 hours. PE506 dispatched for a Hazard at the PWC Landfill. On arrival, public works was on scene. They said they had a diesel fuel. In a pickup trucks bed, there was a 100 gallon fuel tank. The tanks pump was left open and fuel was discharged into the trucks bed. The truck was on a slope, so the fuel ran out the back of the truck bed and onto the ground. The ground was gravel. The fuel then ran down the drainage system towards a retention pond. Public works said they usually do not carry more than 50 gallons in the tank at a time. They believe there was only about 15 gallons that leaked out. The retention pond was about 100-150 yards away. Public works had already put down absorbent and oil booms prior to our arrival. Public works then contacted risk management and talked to Marlene Mears at risk management. Marlene contacted Matt Atkins. Risk management made all other notifications and contacted a clean up crew. public works supervisor wil diaz at 703 675 2947

2/22/2026	4820 Dale Blvd	FD260007913	Container or containment failure	Water and asphalt	Vehicle fluids	Unknown	Y	Y	R506 was called at 1350 by FM P. Reubens for a hazmat request to have oil absorbent pads delivered to the hazard call with Engine 513. Lt Reubens stated that they had been called out by Engine 513 for a plow truck that was leaking fluid in a parking lot at 4820 Dale Blvd. R506 called PSCC and added to the call. R506 arrived on scene and helped deploy oil absorbent pads to the area that had a sheen that was located near the spill. Heavy rain that day had allowed the fluid to flow into the nearby storm drain. It is unknown if product made it down the storm drain due to Engine 513 making a dam and dike near the storm drain. Lt Reubens obtained all information from the property owners and had given out LEPC forms. FM also had tracked down the plow trucks that were now located in maple dale plaza. FM was already on scene when we relocated there and placed absorbent pads near the leaking plow trucks. All pictures and communication were done through fire marshal's office. See attached email that will be sent with this documentation from LT P. Reubens.
2/25/2026	MM 155 I95 N Hwy	FD2602250011753	Vehicle Collision	Ground	Diesel fuel	25 gallons	N	Y	E506 DHM was contacted for a hazmat phone consultation from E510 in reference to an auto accident involving a tractor trailer on MM155 I95 S HWY. E510 stated that there was approximately 25 gallons of diesel fuel that had spilled in a ditch from the tractor trailer saddle tanks. E510 was able to contain the spill with absorbent prior to a water draining system located 300ft away from the incident. The DHM requested R506 & HM506 to respond to the scene to mitigate any potential hazards involved with the incident. R506 & HM506 arrived on scene and assessed the situation. Personnel from R506 & HM506 determined that approximately 25 gallons leaked onto the ground, but there were no active leaks or waterways impacted. For precaution, R506 placed a boom and additional absorbent around the spill and by the water drainage system. The party responsible, (Jefferson Sanchez Phone # 336-762-4874) was still on scene and was given an LEPC for proper clean-up of the hazard. Miller Environmental Group 703-372-1583 was requested by the responsible party. Company 6 cleared the scene. VAEOC was notified of the situation.
3/3/2026	12700 Minnieville Rd, Woodbridge, VA 22193	FD26030300013206	Unintentional release	Ground	Gasoline	less than 5 gallons	N	N	E502 notified PSCC of a request for a duty hazmat consult. DHM (Capt Lind) made contact with E502 and Lt Taylor notified of a spill located at 12700 Minnieville rd. Reports were made that gasoline was discharged from a pump and it was now located on the concrete of the parking lot for the gas station. The Gas pump showed $55 and that also included filling up the vehicle before gas landed on the ground. The spill amount was believed to be less than 5 gallons of gasoline. Spill was contained in the concrete parking lot and possibly their oil and water separator. Manger of the Exxon advised that he would use the company contract for spill cleanup.
3/6/2026	9509 Damascus Dr, Manassas, VA	FD260009719	Vehicle leak	Water and ground	Antifreeze	1 gallon	Y	Y	E511 (FS 4158) had antifreeze leak on a unrelated call. The crews noticed immediately and were able to berm up a nearby storm drain with dirt to block the storm drain. Approximately 6 gallons total of Rotella ELC NF Antifreeze leaked from E511 with about 1 gallon down the storm drain located at 9509 Damascus Dr. The remainder was pooled up with the berms that E511 personel constructed. Hazmat consult was called in by BC Forbes. DHM was sent pictures of the leak and advised the crew to dump absorbant down the man hole into the puddle. BC504 was advised to have the Engine officer fill out the County Spill Reporting form and to notify the on Duty Health and Safety Officer. R506 and HM506 were added to a investigation call at the above address and used two 40lb bags of absorbant on the remaining antifreeze. The absorbant was then double bagged in trashbags and removed per direction from BC Adams.

3/14/2026	Parkgate Dr / Old Church Rd	FD260010981	Vehicle Collision	Water and ground	Gasoline and oil	5 gallons	Y	Y	Initial call cam from a hazmat phone consult for an auto accident that was leaking fluids into a ditch along the side of Parkgate Drive. Decision was made to go enroute to location with HM506 and R506 to see the spill for ourselves and decide next actions. Upon arriving on the scene PE505 crew had already made a dirt dike to stop potential flow further downstream of ditch. It was observed that about 5 gallons total was in the ditch that was a mix of gasoline, oil, and water from suppression efforts. The product stayed in place the entire time HM personnel were there. The vehicle was secured by Waggy's towing and was to be used as evidence by Prince William police. Under the direction of Matt Adkins the product was absorbed by oil dry pads and placed into a trash bag that was also taken by Waggy's towing on the scene to be disposed of. Additional dikes were placed upstream and downstream from the product to add additional protection. VA EOC was contacted with an incident number being provided: VDEM 2026-03-14-0059 and Andy Kypriss was the call taker.
3/26/2026	Nokesville Rd / Piper Ln, Bristow	FD26032600018090	Vehicle Collision	Asphalt	Diesel fuel	20 gallons	N	Y	At 0610 hours PE525 was dispatched to an auto accident on Route 28 at Piper Ln. E525 arrived on scene with property damage only to 2 vehicles. One pickup truck was rear-ended and had an offroad diesel tank with a capacity of approximately 100 gallons. PE525 Had provided primary incident spill management using absorbent carried on their unit. The spill was contained only to the roadway. Waggy's Towing was requested by PWCPD to move the damaged vehicles from the roadway. When the pickup truck with the offroad diesel tank was loaded onto the flat bed tow truck, the tank began to leak from the tank. The Driver of the truck stated that "the offroad diesel tank should've been empty". The fuel tank was estimated to contain offroad diesel fuel of approximately 20 gallons based on popup pool capacity and fuel already on the ground. Waggy's Towing was unable to provide additional site remediation or cleanup services. PE525 began supplemental containment efforts using dirt to contain the active leak. PE525 initiated a HazMat consultation and requested by phone additional absorbent. R506 responded to the incident location with additional absorbent, booms, containment pools and oil pads to assist with containment efforts. R506's crew began assisting with capturing the active leak with collapsable containment pools, and provided bags of absorbent to prevent migration of the diesel. The responsible party was provided the LEPC form and notified 'Environmenal Consultants and contractors Inc' through the handout form to provide final clean up and remediation services for the incident. PE525 and PWCPD remained on scene for the duration of cleanup efforts.
4/12/2026	14505 Brook Dr	FD26041200021755	Container or containment failure	Ground	Used motor oil	2 gallons	N	Y	R510 contacted the DHM in reference to a hazard involving a dark liquid leaking from a container adjacent from the caller's location. The DHM notified the officer of R510 to request the on-duty FM to respond to the call. Due to the potential hazards, HM506 responded to the location. Upon arrival, hazmat personnel observed a petroleum-based liquid (used motor oil) that released from a 40-gallon poly container located on the other side of the dispatched residence. The product, estimated quantity of 2 gallons, had migrated downhill via surface runoff into the adjacent property with no waterways in danger. HM506 personnel deployed absorbent material to contain the liquid and placed the barrel upright. Larry James Costa of 14504 Birchdale Ave (neighbor responsible) was given a LEPC form and was advised to arrange for a licensed hazardous waste contractor to complete the proper disposal of the material. Mr. Costa stated that Apex Environmental will be used for the clean-up. The property owner of 14505 Brook DR was notified of the situation and actions that were taken. HM506 cleared the scene.

4/20/2026	11500 Hedges Run Dr / Shearwater Ct	FD260016660	Vehicle leak	Ground	Hydraulic fluid	1 gallon	N	N	PE514 Responded to a green unknown fluid on the ground. Upon their arrival PE514 found a flatbed delivery truck that had a piggyback forklift mounted on the back of the truck to unload material. The forklift had a hydraulic fluid leak that spread around a gallon of fluid around the parking area of the neighborhood. PE514 ensured there was no risk of the fluid entering storm drains or waterways and laid absorbent down. PE514 contacted the duty hazmat officer to confirm who was responsible for clean up. The driver of the vehicle was given the LEPC form and his information was obtained for reporting.
4/21/2026	Old Carolina Rd / Lee Hwy, Gainesville, VA 20155	FD260016804	Vehicle Collision	Water and ground	Milk	10-15 gallons	Y	Y	PE504 was dispatched to an auto accident involving a full complement for an extrication. The incident involved a refrigerated box truck and a semi-truck. The box truck was found overturned on its side and was transporting milk cartons, which had begun leaking from the vehicle. The product extended around 400 feet down the roadway and entered two storm drains that were connected. BC501, Captain John Gillis, requested a HAZMAT consultation due to the milk entering the storm drain. Initial crews on scene utilized dirt to establish dams around the storm drains to limit further contamination. Following consultation, R506 and PE506 were added to the incident and responded to assist with evaluation. Upon arrival, crews assessed the overturned box truck and determined that the milk was no longer actively leaking. Evaluation of the storm drains indicated that an estimated 10–15 gallons of milk had entered the drainage system and the connected waterway that ultimately leads to Lake Manassas. Crews reinforced the existing dirt dams around the storm drains due to the ongoing need to secure and remove the vehicle. Additionally, two booms were deployed in the waterway to help limit the spread of milk products. The VA EOC was contacted and advised they had also been notified by VDOT regarding the incident. The driver of the box truck was transported to Prince William Hospital prior to receiving an LEPC form. Attempts were made by Captain Gillis to contact the trucking company but were unsuccessful. The scene was then turned over to PD.
4/24/2026	7801 Garner Rd, Manassas, VA 20109	FD260017269	Vehicle Leak	Asphalt	Gasoline	Unknown	N	N	PE522 was dispatched for an OUTGAS. On arrival, there was one parked vehicle that was leaking gasoline. There was no gas leak. They were able to put a pop-up pool down to contain the active leak. They placed absorbent on the fuel that had already leaked. No estimation for how much fuel was leaked. Please see photos. PE522 got a tow truck for the responsible party. The tow truck company refused to clean up. PE522 requested a HazMat consult. PE522 provided the responsible party with the LEPC form. They contacted APEX and they could not come out so they contacted ECC to clean up. ECC cleaned up the leak and absorbent. The leak was contained to a parking lot. It did not enter any drains or waterways. No other hazards. PE522 stated they did not need HM506 to come to the scene. They had enough absorbent and the pop up pool was able to contain the leak. HM506 returned to service and PE522 remained on scene. No notifications made since it was on county property (Sinclair Elementary School), and it did not enter any water sources or drains

4/27/2026	13676 Greenwood Dr, Woodbridge, VA 22193	FD260017807	Vehicle leak	Water and ground	Diesel fuel	4 gallons	Y	Y	E513 was dispatched to a reported hazard involving a dump truck leaking diesel fuel into a storm drain. Upon arrival, E513 identified an unoccupied dump truck leaking fuel from an approximately 50-gallon saddle tank. Due to the vehicle being parked on an incline, fuel was leaking from the passenger-side fuel cap and entering a nearby storm drain. E513 placed absorbent beneath the saddle tank and accessed the storm drain. It was estimated that approximately four gallons of diesel fuel had already entered the system. A HAZMAT consultation was requested, and based on information given R506 and HM506 were added and responded to the incident location. Upon arrival, HAZMAT units confirmed the ongoing leak from the saddle tank. A pop-up pool was placed beneath the tank, and crews attempted to control the leak using a wax ring and putty around the fuel cap. The dump truck had saddle tanks on both the driver and passenger sides, which were connected. The shut off the valve was closed that connected the two tanks. Crews accessed the storm drain while using a multirae to monitor conditions. Diesel fuel was seen approximately 30–40 feet into the drain, it had not reached the waterway. Additional access from the opposite side of the drain confirmed the fuel had not traveled the full length of the system. Absorbent materials were placed in the storm drain to help contain the fuel. The fuel cap continued to leak, it was then removed and was missing a gasket. The gasket was located attached to the cap chain and was reinstalled properly. Excess fuel that continued to overflow was removed from the tank and transferred into the pop-up containment pool. Law enforcement personnel contacted the vehicle owner at his residence and advised him of the situation. The owner arrived to the scene and acknowledged he was aware of the leak prior to leaving the vehicle unattended. He also confirmed ownership of both the vehicle and the company. An LEPC form was issued to the owner, and he was assisted in contacting a cleanup contractor for response tonight. PE506 remained on scene until confirmation was received that the form had been completed and signed. Once the clean up company, Safety Clean, was confirmed PE506, R506 and HM506 went in service. E513 was left to remain onscene until the company arrived.
5/8/2026	1 Bureau Pkwy, Quantico, VA 22134	FD260019431	Vehicle Leak	Asphalt	Fuel	Unknown	N	Y	AC531 requested a Hazmat Consult for a leaking fuel tank and requested assistance. AC531 advised they had a fuel truck carrying approximately 2,000 gallons of gasoline with an active leak that crews were unable to mitigate due to the location of the leak. R506, PE506, HM506, and HMS506 were added to assist. Units arrived on scene to find Quantico personnel actively collecting fuel leaking from the truck. Crews had deployed pop-up pools, absorbent pads, and 50-gallon drums to contain and transfer the product into. Upon assessment, crews identified the leak coming from a drain on the belly of the tank. Quantico personnel had attempted to stop the leak using a wax ring, but were unsuccessful. Crews began preparing for a fuel transfer into an undamaged fuel truck already on scene. While one crew began setting up grounding and bonding for the transfer, another crew attempted to slow or stop the leak using a plug and putty. The drain was successfully plugged and the leak was mitigated. Quantico personnel advised they would transport the fuel truck back to the tank farm, which was two miles away, to offload the product and complete maintenance on the damaged vehicle.

5/26/2026	13355 Minnieville Rd, Woodbridge, VA 22192	FD260022423	Unintentional release	Asphalt	Gasoline	30-40 gallons	N	Y	PE514 was dispatched to a diesel fuel spill at the Wawa. Upon arrival, crews found that a citizen had been pumping diesel fuel into a personal vehicle and entered the store while fueling continued. The automatic shutoff valve on the nozzle malfunctioned, allowing the fuel to continue flowing until the citizen returned and discovered diesel fuel on the ground around the pump area. Approximately 30–40 gallons of diesel fuel had spilled onto the ground. Gas station personnel had already deployed absorbent pads from the facility spill kit prior to fire department arrival. Crews confirmed that no storm drains were impacted. One nearby storm drain was protected by a1-inch lip, preventing any runoff from entering the drain. PE514 contacted the DHM for guidance regarding mitigation and clean up procedures. Lt. Dimmel was asked to put down absorbent from their apparatus and utilize the remaining contents of the spill kit. Advised him to also give the store manager an LEPC form to arrange a cleanup company. Lt. Dimmel provided photographs and the manager's contact information. EOC and Fire Marshal were both contacted.
6/1/2026	1025 Cannons Ct	FD26060100032231	Vehicle Leak	Asphalt	Oil	20 gallons	N	Y	E502 Responded to a Hazard call for a box truck leaking oil onto the roadway at the dispatched address. E502 stated that a box truck hauling scrap metal to Woodbridge Metal Recycling was leaking oil on approach to the recycling facility. They stated that the oil was on the roadway and estimated the quantity to approximately 20 gallons, and E502 applied absorbent to the roadway and was able to successfully contain the oil without impact to the storm drain system. E502 officer initiated a hazmat consultation for notification purposes. E502 did not need any additional support or assistance from Hazmat personnel, and stated that Woodbridge Metal Recycling would be cleaning up the oil and absorbent from the asphalt. FM521 was notified by E502 to investigate the legal aspect of the discharge and mitigation. FM521 verified Woodbridge Metal Recyclers has picked up the oil and absorbent from the roadway. FM521 determined the responsible party as the box truck driver who was hired to deliver the scrap metal/oil. Investigation is still ongoing by FM521.
6/7/2026	15315 Washington St, Haymarket	FD26060700033437	Container or containment failure	Ground	Diesel fuel	20 gallons	N	Y	Engine 524 was called to a fuel spill. There was approx. 20 gallons of diesel on the ground emanating from the east most pump island. Unknown cause of spill. No witnesses. Captain Janda notified DHM Clatterbuck with a video conference of the scene. Sheetz employees were applying absorbant over the area, however, Sheetz and E524 did not have enough absorbant to cover the spill area. Captain Janda did not have confirmation that Sheetz management had notified cleanup contractor, although had instructed manager to do so. E506 was in the first due training and reported back to St6 to obtain more absorbant and went to the scene. In consulation with Captain Mohr, it was determined only E506 was needed at the scene. Upgraded to HazMat with E506 only. Additional absorbant was deployed to cover the spill area. DHM spoke to store manager and confirmed cleanup contractor notified. DHM spoke to Sheetz on-call corporate Environmental manager who stated cleanup contractor was notified and would be enroute shortly. DHM then called cleanup contractor directly to confirm ETA. ETA of 1hr 15min. FM Paul Taylor also spoke to Sheetz manager and confirmed suspect fuel island was shut down and would not be operated until verified operable by maintenance. Area was tapped off and units cleared. Cleanup contractor was enroute and would be on scene in approx. 30 min. from DFR departure.

Prince William County: Internal County Facilities

Date	Location	What surface was impacted? W-Water SG-Soil/Gravel A-Asphalt O-Other	Material spilled	Quantity	Stormwater Impact? (Y/N)	Root Cause EF - Equipment Failure EA - Employee Accident VA - Vendor Accident CA - Customer Accident O - Other	Root Cause - Other: Explain	Description / How it was resolved
7/11/2025	14811 Dumfries Road, Manassas VA. 20112	A	Motor Oil	15 Gallons	N	CA		A customer leaving the landfill failed to pay attention, causing their oil can to overflow and create a spill when they drove away. We contained the spill by using absorbent material and then cleaned it up. The waste was disposed of at the work face.
7/14/2025	1 County Complex Court, Woodbridge , VA. 22192	Other	Hydraulic Fluid	15-25 gallons	N	EF		Shredding truck's hydraulic line busted. Leaked all hydraulic fluid
8/25/2025	14809 Dumfries Road, Manassas VA. 20112	A	Motor oil and Antifreeze	64oz	N	EA		while moving and engine block core, the core fell over spilling oil and anti freeze from the block. Area was cleaned up with stay/oil. dry
8/27/2025	7500 Century Park Drive, Manassas, VA. 20110	SG	Diesel	1-5 gallons	N	VA		Fuel vendor driver reported to have spilled approximately 1 gallon of diesel fuel while filing our station fuel tank. Upon further inspection an exact amount is unknown. Both diesel and gasoline tanks were saturated as well as an area of grass had been covered. There was no standing fuel on the concrete and there would not have been an effective way to recover what was spilled. See attached photos.
9/12/2025	14811 Dumfries Road, Manassas VA. 20112	A	Motor Oil	20 gallons	N	CA		When a trash box was picked up, motor oil spilled out from the back door. The driver notified me, and we all started to contain the spill while staying dry. We waited for the area to be absorbed, and then we disposed of it properly at the work site.
9/18/2025	13725 Foulger Square Woodbridge, VA. 22192	A	Antifreeze	5 gallons	N	EF		Truck 520 was returning from a call when the coolant line blew. We drove into the parking lot of Khols, tilted the cab and turned the rig off till Atlantic arrived. We put down absorbent and cleaned it up before leaving. it was put into a trash bag and thrown away.
10/23/2025	5 County Complex Court, Woodbridge, VA. 22192	A & Other	Oil	approx. 1 pint	N	VA		B&G crew applied speed-dry to the area. B&G crew swept up the speed-dry. The contractor was notified as was Risk and Environmental.
10/28/2025	14809 Dumfries Road, Manassas VA. 20112	A	Motor Oil	10oz.	N	EF		Unit came in with motor oil leak. Spill cleaned up with oil dry
10/29/2025	14811 Dumfries Road, Manassas VA. 20112	A	Motor Oil	5 gallons	N	CA		At the Citizen Pad by the metal boxes, we noticed an oil spot. We contained and absorbed the oil with "Oil Dry" and disposed of it at the working face of the landfill.
12/11/2025	14811 Dumfries Road, Manassas VA. 20112	O	Motor Oio	1 gallon	N	CA		When a driver picked up the dumpster, motor oil was spilled on the concrete slope. We contained, put oil absorbent sand, cleaned up, and disposed of it at the work face at the landfill.
12/17/2025	14811 Dumfries Road, Manassas VA. 20112	Other	Paint	2 gallons	M	O		When one of the drivers picked up the metal container to empty it, paint started coming off the container, creating a spill at the box number one location, as well as at the area where the scrap metal was dumped. We contained, cleaned, and disposed of the working face at the landfill.
1/10/2026	14811 Dumfries Road, Manassas, VA. 20112	O	Paint	1/4 gallon	N	CA		On a Rainy day, the water mixted with paint from the trash box combined with the water accumulated on the concrete slab on boxes fifteen, sixteen and seventeen.
1/18/2026	14811 Dumfries Road, Manassas, VA. 20112	W and SG	Diesel Fuel	15 gallons	Y	EA and O		The diesel tank located in the bed of SW4186 was found with the tank nozzle laying in the bed & diesel was slowly leaking from the nozzle (not pumping). 911 was called & Hazmat responded, they estimated 15 gal had been spilled. The fuel had leaked onto the gravel, down the walkway & open culvert, it traveled through the culvert to an outfall on the LF property. When spill was discovered Stay Dry was immediately applied to the hard surface areas. Pads/socks were added to the culverts in both areas. All areas were assessed the next day & reapplied as necessary. Risk was notified also.
2/10/2026	14811 Dumfries Road, Manassas, VA. 20112	A	Motor Oil	4 quarts	N	EF		Oil Filter failure on SW2374 riding lawn mower Spill cleaned up with oil dry.
2/26/2026	14811 Dumfries Road, Manassas, VA. 20112	O						We contained the spill, applied stay-dry absorbent and collected it, and disposed of it at the landfill. The spill was on the bottom side of the dumpster area on box fourteen.
2/27/2026	14811 Dumfries Road, Manassas, VA. 20112	SG	Coolant	1/4 to 1/2 gallon	N	EF		While coming back from the workface I noticed the bright, non-natural green color of a puddle and stopped to inspect. I was not sure where the liquid came from or what is was really. So I used 1.5 bags of stay dry to absorb it and asked the maintance crew to clean it up, which they did after the stay dry absorbed for 20minutes. Used stay dry was disposed of in the lined cell at the working face. I later showed Chad Place the photos and we speculated that the liquid was coolant that leaked from a trash truck heading back to the workface.
3/3/2026	14811 Dumfries Road, Manassas, VA. 20112	A	Paint	3 gallons	N	O	Paint found in metal Pile	While checking the metal pile for equipment to pull out, it was discovered that some paint spilled from paint cans that were removed prior to the discovery of the spill. Eight bags of Stay Dry were used to absorb the paint. Stay Dry set for approximately 15 minutes before being cleaned up by Landfill crew. Used Stay Dry was disposed of in a box that was about to be hauled to the lined cell at the work face.
3/6/2026	9508 Damacus DR/ PE511	W, A	Coolant	6 Gallons	Y	EF		As PE511 was sitting idle, engine coolant was observed to be flowing from under the cab of the engine onto the roadway and into a storm drain that was close by. The unit was shut down; absorbent and dirt were utilized to build a damn in front of the drain to capture and prevent it from entering the drain. BC504 was notified along with Duty Hazmat. Absorbent and was also applied in the storm drain to absorb coolant that were at the bottom of the storm drain. PE511 had been repaired and 6 gallons of coolant/antifreeze were used to fill the unit and clear the scene. HAZMAT 506 had reported to the location and cleaned up the product remaining product.
3/6/2026	14811 Dumfries Road, Manassas, VA. 20112	A	Oil, paint and water mixture	2.5 gallons	N	CA		Jimmy Rose reported over the radio that there was an oily/white paint looking liquid leaking out of box 19. Several employees responded immediately applying spill socks around the nearby storm drain and putting down 15 bags of stay dry to absorb the spill. Once absorbed, the stay dry was cleaned up with the skid steer by the supervisor on duty and disposed of in a roll-off box that was then taken up to the workface.

3/31/2026	Porter Elementary School Parking Lot 15311 Forest Grove Drive, Woodbridge, VA 22191	A	Hydaulic Oil	5-Jan-00	y	EF		See attachment for details.
4/30/2026	14811 Dumfries Road, Manassas, VA. 20112	A	Motor Oil	3 gallons	N	CA		A customer was unloading his oil cans and one fell down without a cap on it, spilling oil near the recycling area at the citizen pad.
5/3/2026	14811 Dumfries Road, Manassas, VA. 20112	A, O (partially on the concrete pad).	Oil	10 gallons	N	CA		Normally, customers dont want to wait until the Hazardous waste collection day,so they decide to toss the oil into a trash box, creting spills and leaks from the trash box to the ground. To resolve the issues, we put Stay Dry on the spill, let it absorb, collected it back, and disposed of it at the work face.
5/25/2026	14811 Dumfries Road, Manassas, VA. 20112	A	Paint	2 gallons	N	O	Paint found in metal Pile	Paint spilled from cans was discovered on Monday, May 25, 2026 around 10:14 am. Unsure if paint spilled on Sunday, May 24, 2026. 10 bags of Stray Dry were used to absorb the paint. Stray Dry set for about 10 minutes before being cleaned up by Landfill crew. Used Stay Dry was disposed of in the lined cell at the work face.
5/26/2026	14811 Dumfries Road, Manassas, VA. 20112	A	Paint	> than 1 gallon	N	O	Paint found in metal Pile	Paint cans were found in the metal pile on Tuesday, May 26, 2026. One can that was not dry was open and some paint leaked out. Another can burst and some paint spilled out (total less than one gallon). One bag of stay dry was used for both spills. Stray Dry set for about 15 minutes before being cleaned up by Landfill crew. Used Stay Dry was disposed of in box that is to be hauled to the lined cell at the work face.
5/26/2026	14811 Dumfries Road, Manassas, VA. 20112	A	Oil	Approx. 1-3 quarts	N	EF, VA		American Disposal Services (AMS) repair truck was parked in the area. I approached the AMS employee to ask him to either repair the AMS truck on the working face or in the gravel lot near the entrance. I explained that we didn't want spills right near the storm drain. He said he already repaired the truck's tire and the trash truck did have a spill. AMS applied stay dry and cleaned up some of the residue. The County employees finished cleaning the area.
5/25/2026	5036 Davis Ford Rd. Woodbridge, VA. 22192	A	Brake Fluid	12 ounces	N	EF		Brake line broke. Use spill mats to soak up the brake fluid; Fleet is coming to pickup the vehicle.
6/8/2026	14811 Dumfries Road, Manassas, VA. 20112	A	Gasoline/oil	> than a quart	N	O	Generator on its side leaking gas and oil	A generator was pulled from the metal pile and set to the side. It was on it's side and dented with gas and oil leaking out. Less than a half a bag of Stray Dry was used on the spill. Stray Dry set for 10-15 minutes before being cleaned up by Landfill crew. Used Stay Dry was disposed of in box that is to be hauled to the lined cell at the work face.
6/15/2026	Valley View Park - Softball Field Complex	SG, A	Hydaulic Oil	Approx. 5 gallons	N	EF		As crews were operating the Sandpro machine at Valley View Park grooming the softball fields, a hydraulic line failed, releasing approximately 5 gallons of hydraulic fluid. Crews immediately deployed spill kits and used pads to absorb as much as possible from the ground and used absorbent material on the pavement. Once the pads are soaked up, crews will dig up the affected grass/gravel and properly dispose of it.
6/15/2026	Waterworks Water Park 5301 Dale Blvd. Dale City 22193	SG, A	Unintentional Pool Water Release	Unknown	N	EF		A subsurface pipe failure occurred within the splash pad area of Waterworks Waterpark, resulting in the release of an undetermined amount of chlorinated water into the surrounding area. The discharged water traveled downhill from the splash pad, across the adjacent parking lot, and into the nearby baseball field area. Upon initial discovery, the source of the water was believed to be a clean water release from the irrigation system. Subsequent investigation and inspection determined that the discharge originated from a leaking underground pipe and/or valve associated with the splash pad system. The affected line was isolated and shut off, which appears to have stopped the flow of water. The line will remain isolated and out of service pending further evaluation and repair. Due to the location of the failure and the extent of demolition and excavation required to access the affected infrastructure, permanent repairs will likely be deferred until the conclusion of the operating season
6/19/2026	5026 Davis Ford Road, Woodbridge, VA 22192	A,O	Diesel Fuel	6oz	N	EF		M526 was found to be leaking diesel fuel when returning to station 526 following a call. A small amount leaked on the front apron of station 26 as well as in the bay. Up to approximately 6oz was leaked. Spill was cleaned using absorbent and a small collection pool was placed to contain any further leak. Fleet was notified and the unit placed out of service.
6/30/2026	14811 Dumfries Road, Manassas, VA. 20112	A	Gasoline/oil	1 gallon	N	CA		A tank containing gasoline/oil that was set to the side leaked gasoline/oil. About a gallon of gas/oil leaked out. 11 bags of Stay Dry were used on the spill. Stay Dry set for 20 minutes before being cleaned up by Landfill crew. Used Stay Dry was disposed of in box that is to be hauled to the lined cell at the work face.

Appendix L

Industrial and High Risk Outfall

Summary

Landuse	Outfall Id	Last Inspection Date	Flow Present	Illicit Discharge	High Risk	Maintenance Required	Within PWC Service Area	VPDES Permitted
Planned Industrial Park	50786	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Residential	67178	8/12/2025	Stagnant	Unlikely	Y	False	Y	N
Wholesale Warehousing	45691	8/8/2025	No	Unlikely	Y	True	N	N
Planned Industrial Park	35879	4/17/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	12061	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	60916	4/9/2026	No	Unlikely	Y	False	N	N
Hotel w/ Restaurant	24805	10/21/2025	No	Unlikely	Y	False	N	N
Other	37191	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	30954	4/9/2026	No	Unlikely	Y	False	N	N
Shopping Center	43448	8/8/2025	Stagnant	Unlikely	Y	False	Y	N
Planned Industrial Park	34177	4/9/2026	No	Unlikely	Y	False	N	N
Gas Station	24673	3/11/2026	Stagnant	Unlikely	Y	True	N	N
Shopping Center	27931	8/6/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	34170	4/9/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	34173	4/8/2026	No	Unlikely	Y	False	N	N
Other Industrial	62135	9/11/2025	No	Unlikely	Y	False	N	N
Other	13707	6/3/2026	No	Unlikely	Y	False	Y	N
Wholesale Warehousing	45679	8/8/2025	No	Unlikely	Y	True	N	N
Other Industrial	62137	9/11/2025	No	Unlikely	Y	False	N	N
Research and Testing	19568	8/25/2025	No	Unlikely	Y	False	Y	N
Shopping Center	8223	7/22/2025	No	Obvious	Y	True	Y	N
Shopping Center	33077	3/10/2026	Stagnant	Obvious	Y	True	Y	N
Other	21502	8/18/2025	No	Unlikely	Y	False	N	N
Shopping Center	63840	4/21/2026	No	Unlikely	Y	False	N	N
Other	24419	10/29/2025	No	Unlikely	Y	False	Y	N
Planned Industrial Park	1116	4/8/2026	No	Unlikely	Y	False	N	N
Shopping Center	27128	3/10/2026	Stagnant	Unlikely	Y	False	Y	N
Residential	27751	7/23/2025	Stagnant	Unlikely	Y	False	Y	Y
Residential	64139	11/12/2025	Yes	Obvious	Y	False	N	N
Planned Industrial Park	62139	4/8/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	12058	9/11/2025	No	Unlikely	Y	False	N	N
Shopping Center	43434	8/8/2025	No	Unlikely	Y	False	Y	N
Planned Industrial Park	60974	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Residential	62133	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	20412	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	65817	6/1/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	20406	6/1/2026	Stagnant	Unlikely	Y	True	N	N
Wholesale Warehousing	35892	4/17/2026	No	Unlikely	Y	True	N	N
Planned Industrial Park	50790	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Planned Industrial Park	23516	9/11/2025	No	Unlikely	Y	False	N	N
Shopping Center	33047	3/9/2026	Yes	Unlikely	Y	False	N	N
Planned Industrial Park	23519	9/11/2025	No	Unlikely	Y	False	N	N
Wholesale Warehousing	47039	4/17/2026	No	Unlikely	Y	False	N	N
Shopping Center	18588	6/2/2026	No	Unlikely	Y	False	Y	N
Hotel w/ Restaurant	5703	3/9/2026	Yes	Unlikely	Y	False	N	N
Wholesale Warehousing	47030	4/17/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	1112	4/8/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	26101	9/8/2025	No	Unlikely	Y	False	Y	N
Planned Industrial Park	37344	8/25/2025	No	Unlikely	Y	True	N	N
Planned Industrial Park	60891	6/1/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	60843	4/8/2026	Yes	Unlikely	Y	False	N	N
Hotel w/ Restaurant	11160	10/22/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	30962	4/8/2026	Stagnant	Unlikely	Y	False	N	N
Planned Industrial Park	46140	4/8/2026	Yes	Unlikely	Y	False	N	N
Planned Industrial Park	30952	4/8/2026	Stagnant	Unlikely	Y	False	N	N
Research and Testing	31543	8/25/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	38615	8/22/2025	Yes	Unlikely	Y	False	Y	N
Wholesale Warehousing	67155	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Wholesale Warehousing	46058	4/17/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	46135	4/8/2026	Stagnant	Unlikely	Y	False	N	N
Total: 60 Outfall								

Landuse	Outfall Id	Last Inspection Date	Flow Present	Illicit Discharge	High Risk	Maintenance Required	Within PWC Service Area	VPDES Permitted
Planned Industrial Park	5756-002	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	50786	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Planned Industrial Park	37374	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	37185	9/12/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	46738	9/12/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	35879	4/17/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	34179	4/9/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	12061	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	60916	4/9/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	60819	4/8/2026	Yes	Unlikely	N	False	N	N
Planned Industrial Park	47390	4/8/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	30954	4/9/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	62141	4/8/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	34177	4/9/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	31753	4/21/2026	Stagnant	Unlikely	N	False	N	N
Planned Industrial Park	52491	4/9/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	36181	9/12/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	31761	4/21/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	60816	4/9/2026	No	Unlikely	N	True	N	N
Planned Industrial Park	34170	4/9/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	34173	4/8/2026	No	Unlikely	Y	False	N	N
Other Industrial	62135	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	60976	4/17/2026	No	Unlikely	N	False	N	N
Other Industrial	62137	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	65823	6/1/2026	No	Unlikely	N	True	N	N
Planned Industrial Park	35882	4/17/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	1116	4/8/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	27184	4/9/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	46742	9/12/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	35885	4/16/2026	Yes	Unlikely	N	False	N	N
Planned Industrial Park	62139	4/8/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	37192	9/12/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	31567	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	5992-001	6/1/2026	No	Unlikely	N	True	N	N
Planned Industrial Park	12058	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	60974	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Planned Industrial Park	31556	8/25/2025	No	Unlikely	N	True	N	N
Planned Industrial Park	20412	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	65817	6/1/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	12056	9/11/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	56039	4/17/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	20574	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	20406	6/1/2026	Stagnant	Unlikely	Y	True	N	N
Planned Industrial Park	21473	6/1/2026	No	Unlikely	N	True	N	N
Planned Industrial Park	20414	6/1/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	60815	4/8/2026	Yes	Unlikely	N	False	N	N
Planned Industrial Park	50790	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Planned Industrial Park	60820	4/8/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	37196	9/12/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	23516	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	66507	8/22/2025	Stagnant	Unlikely	N	False	N	N
Planned Industrial Park	23519	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	52442	4/9/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	66499	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	34993	4/8/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	47385	4/9/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	31536	8/25/2025	Stagnant	Unlikely	N	False	N	N
Planned Industrial Park	34983	4/9/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	1112	4/8/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	26101	9/8/2025	No	Unlikely	Y	False	Y	N
Planned Industrial Park	65821	6/1/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	46748	9/12/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	37194	9/12/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	37344	8/25/2025	No	Unlikely	Y	True	N	N

Planned Industrial Park	60891	6/1/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	60843	4/8/2026	Yes	Unlikely	Y	False	N	N
Planned Industrial Park	20584	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	46740	9/15/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	30962	4/8/2026	Stagnant	Unlikely	Y	False	N	N
Planned Industrial Park	46140	4/8/2026	Yes	Unlikely	Y	False	N	N
Planned Industrial Park	30952	4/8/2026	Stagnant	Unlikely	Y	False	N	N
Planned Industrial Park	38615	8/22/2025	Yes	Unlikely	Y	False	Y	N
Planned Industrial Park	37363	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	37334	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	34353	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	46135	4/8/2026	Stagnant	Unlikely	Y	False	N	N
Planned Industrial Park	39371	4/17/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	19260	9/15/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	31569	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	31554	8/25/2025	No	Unlikely	N	False	N	N
Total: 80 Outfall								

Appendix M

Dry Weather Screening Inspection Summary

Landuse	Outfall Id	Last Inspection Date	Flow Present	Illicit Discharge	High Risk	Maintenance Required	Within PWC Service Area	VPDES Permitted
Residential	26610	8/6/2025	No	Unlikely	N	False	N	N
Other	30479	9/3/2025	No	Unlikely	N	False	Y	N
Residential	15789	10/27/2025	Yes	Unlikely	N	False	N	N
Residential	30812	7/23/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	5756-002	8/25/2025	No	Unlikely	N	False	N	N
Residential	29991	7/23/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	50786	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Residential	11934	6/17/2026	No	Unlikely	N	False	Y	N
Residential	4641	6/23/2026	Yes	Unlikely	N	False	N	N
Residential	77461	8/6/2025	No	Unlikely	N	False	N	N
Residential	67178	8/12/2025	Stagnant	Unlikely	Y	False	Y	N
Other	24275	4/20/2026	No	Unlikely	N	False	N	N
Residential	23476	12/1/2025	No	Unlikely	N	False	Y	N
Residential	41049	6/15/2026	No	Unlikely	N	False	Y	N
Residential	4802	5/14/2026	No	Unlikely	N	False	Y	N
Residential	67569	12/15/2025	Yes	Unlikely	N	False	N	N
Residential	6910	4/21/2026	No	Unlikely	N	False	Y	N
Residential	18328	8/11/2025	Yes	Unlikely	N	False	N	N
Residential	17788	7/30/2025	No	Unlikely	N	False	N	N
Residential	41040	6/15/2026	No	Unlikely	N	False	Y	N
Wholesale Warehousing	45691	8/8/2025	No	Unlikely	Y	True	N	N
Residential	17961	7/24/2025	No	Unlikely	N	False	Y	N
Open Space	35191	4/10/2026	No	Unlikely	N	False	N	N
Residential	5097	5/14/2026	No	Unlikely	N	False	Y	N
Residential	57628	1/14/2026	No	Unlikely	N	False	N	N
Residential	20543	6/15/2026	No	Unlikely	N	False	N	N
Residential	4605	6/23/2026	No	Unlikely	N	False	N	N
Residential	68686	6/15/2026	No	Unlikely	N	False	Y	N
Institutional (schools/churches)	32141	6/9/2026	No	Unlikely	N	False	Y	N
Residential	14916	4/10/2026	Stagnant	Unlikely	N	False	N	N
Residential	5967	4/21/2026	No	Unlikely	N	False	N	N
Residential	4844	6/23/2026	No	Unlikely	N	False	Y	N
Residential	28837	5/20/2026	No	Unlikely	N	False	Y	N
Other	68363	1/22/2026	No	Unlikely	N	False	N	N
Residential	18609	11/17/2025	No	Unlikely	N	False	Y	N
Residential	21529	6/1/2026	No	Unlikely	N	False	N	N
Residential	16839	7/11/2025	Stagnant	Unlikely	N	False	Y	N
Residential	33082	3/10/2026	Stagnant	Unlikely	N	False	N	N
Other	38440	9/15/2025	Stagnant	Unlikely	N	False	N	N
Residential	9840	1/13/2026	Yes	Unlikely	N	False	Y	N
Wholesale Warehousing	60263	6/1/2026	No	Unlikely	N	False	N	N
Residential	14770	7/22/2025	Yes	Unlikely	N	False	N	N
Residential	37656	4/8/2026	No	Unlikely	N	False	N	N
Residential	17252	12/15/2025	No	Unlikely	N	False	Y	N
Residential	57668	1/14/2026	No	Unlikely	N	False	Y	N
Residential	22640	5/13/2026	No	Unlikely	N	False	Y	N
Residential	22215	6/23/2026	No	Unlikely	N	False	Y	N
Institutional (schools/churches)	74573	12/11/2025	Stagnant	Unlikely	N	True	N	N
Other	34048	10/28/2025	No	Unlikely	N	False	N	N
Residential	75842	3/20/2026	No	Unlikely	N	False	N	N
Other	76809	8/8/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	37374	8/25/2025	No	Unlikely	N	False	N	N
Other	60591	8/18/2025	No	Unlikely	N	False	N	N
Other	24793	6/2/2026	No	Unlikely	N	True	Y	N
Planned Industrial Park	37185	9/12/2025	No	Unlikely	N	False	N	N
Residential	43702	3/20/2026	No	Unlikely	N	False	N	N
Residential	17247	12/15/2025	No	Unlikely	N	False	N	N
Residential	4596	6/23/2026	No	Unlikely	N	False	N	N
Residential	24324	11/18/2025	No	Unlikely	N	False	Y	N
Residential	32688	8/12/2025	No	Unlikely	N	False	N	N
Residential	4810	5/19/2026	No	Unlikely	N	False	Y	N
Residential	67640	12/15/2025	No	Unlikely	N	False	N	N
Open Space	68670	6/17/2026	No	Unlikely	N	False	Y	N
Institutional (schools/churches)	4829	5/18/2026	Yes	Unlikely	N	False	Y	N
Residential	51244	7/21/2025	No	Unlikely	N	True	Y	N
Residential	64486	8/18/2025	No	Unlikely	N	False	N	N
Institutional (schools/churches)	20375	8/11/2025	Yes	Unlikely	N	False	N	N
Residential	55718	8/25/2025	No	Unlikely	N	False	N	N
Residential	56138	6/8/2026	No	Unlikely	N	False	Y	N
Planned Industrial Park	46738	9/12/2025	No	Unlikely	N	False	N	N

Residential	50859	8/14/2025	No	Unlikely	N	False	Y	N
Residential	4839	6/23/2026	No	Unlikely	N	False	N	N
Residential	47925	6/9/2026	No	Unlikely	N	False	N	N
Residential	28255	9/2/2025	No	Unlikely	N	False	Y	N
Residential	15750	4/29/2026	No	Unlikely	N	False	Y	N
Residential	61775	6/8/2026	No	Unlikely	N	False	Y	N
Residential	17952	11/17/2025	No	Unlikely	N	False	Y	N
Residential	46334	3/20/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	35879	4/17/2026	No	Unlikely	Y	False	N	N
Residential	15777	10/28/2025	Yes	Unlikely	N	False	N	N
Residential	2311	1/14/2026	No	Unlikely	N	False	N	N
Other	38148	8/7/2025	No	Unlikely	N	False	Y	N
Open Space	38408	9/15/2025	No	Unlikely	N	False	N	N
Other	29202	12/11/2025	No	Unlikely	N	False	Y	N
Residential	5100	5/13/2026	No	Unlikely	N	False	Y	N
Residential	13407	7/30/2025	No	Unlikely	N	False	Y	N
Other	31782	7/24/2025	Yes	Unlikely	N	False	Y	N
Residential	14922	4/10/2026	No	Unlikely	N	False	Y	N
Residential	5994	9/17/2025	No	Unlikely	N	False	N	N
Residential	10361	9/16/2025	Yes	Unlikely	N	False	N	N
Residential	27988	7/23/2025	No	Unlikely	N	False	Y	N
Residential	4791	5/14/2026	No	Unlikely	N	False	N	N
Residential	5987	9/17/2025	No	Unlikely	N	False	Y	N
Residential	8903	4/29/2026	No	Unlikely	N	False	N	N
Residential	62658	8/8/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	34179	4/9/2026	No	Unlikely	N	False	N	N
Residential	64739	8/18/2025	No	Unlikely	N	False	N	N
Residential	21079	8/27/2025	No	Unlikely	N	False	Y	N
Residential	14760	7/23/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	12061	9/11/2025	No	Unlikely	Y	False	N	N
Residential	64181	9/11/2025	No	Unlikely	N	False	N	N
Residential	315	5/20/2026	No	Unlikely	N	False	Y	N
Residential	35687	9/2/2025	No	Unlikely	N	False	Y	N
Residential	16445	10/21/2025	No	Unlikely	N	False	N	N
Residential	24163	8/27/2025	No	Unlikely	N	False	Y	N
Regional Mall	18593	6/3/2026	No	Unlikely	N	False	Y	N
Residential	34919	6/1/2026	No	Unlikely	N	False	N	N
Other	12293	8/8/2025	Stagnant	Unlikely	N	False	N	N
Institutional (schools/churches)	11225	12/15/2025	No	Unlikely	N	False	Y	N
Residential	16447	10/21/2025	No	Unlikely	N	False	N	N
Residential	530	6/2/2026	No	Unlikely	N	False	Y	N
Residential	17910	11/17/2025	No	Unlikely	N	False	N	N
Other	64748	8/18/2025	No	Unlikely	N	False	N	N
Residential	15743	4/29/2026	No	Unlikely	N	True	N	N
Planned Industrial Park	60916	4/9/2026	No	Unlikely	Y	False	N	N
Residential	27291	7/24/2025	No	Unlikely	N	False	Y	N
Hotel w/ Restaurant	24805	10/21/2025	No	Unlikely	Y	False	N	N
Open Space	38394	9/15/2025	No	Unlikely	N	True	N	N
Other	6352	4/21/2026	No	Unlikely	N	True	N	N
Residential	24908	11/18/2025	No	Unlikely	N	False	Y	N
Residential	21076	8/27/2025	No	Unlikely	N	False	Y	N
Residential	52607	7/28/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	60819	4/8/2026	Yes	Unlikely	N	False	N	N
Other	37191	9/11/2025	No	Unlikely	Y	False	N	N
Residential	17038	7/11/2025	Yes	Unlikely	N	False	Y	N
Other	76798	8/8/2025	Yes	Unlikely	N	False	N	N
Residential	75562	7/15/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	47390	4/8/2026	No	Unlikely	N	False	N	N
Other	14577	9/17/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	30954	4/9/2026	No	Unlikely	Y	False	N	N
Residential	4817	5/19/2026	No	Unlikely	N	False	N	N
Residential	35675	9/3/2025	No	Unlikely	N	False	N	N
Residential	14786	7/22/2025	Yes	Unlikely	N	False	N	N
Open Space	26768	8/7/2025	No	Unlikely	N	False	N	N
Residential	35707	9/2/2025	No	Unlikely	N	False	Y	N
Residential	4808	5/19/2026	No	Unlikely	N	False	Y	N
Open Space	38422	9/15/2025	No	Unlikely	N	False	N	N
Other	13910	7/30/2025	No	Unlikely	N	False	N	N
Residential	35779	9/2/2025	No	Unlikely	N	False	Y	N
Residential	23466	12/1/2025	No	Unlikely	N	False	Y	N
Other	38428	9/15/2025	No	Unlikely	N	True	N	N
Other	11970	6/15/2026	No	Unlikely	N	True	Y	N

Other	13257	8/12/2025	No	Unlikely	N	False	Y	N
Residential	23468	12/1/2025	No	Unlikely	N	False	Y	N
Shopping Center	43448	8/8/2025	Stagnant	Unlikely	Y	False	Y	N
Planned Industrial Park	62141	4/8/2026	No	Unlikely	N	False	N	N
Residential	15764	4/29/2026	No	Unlikely	N	False	Y	N
Residential	63258	7/14/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	34177	4/9/2026	No	Unlikely	Y	False	N	N
Residential	35781	9/2/2025	No	Unlikely	N	False	Y	N
Other	38426	9/15/2025	No	Unlikely	N	True	N	N
Residential	77451	8/7/2025	No	Unlikely	N	True	N	N
Other	18654	3/10/2026	Yes	Unlikely	N	True	N	N
Residential	62075	4/21/2026	No	Unlikely	N	True	N	N
Residential	17417	11/17/2025	No	Unlikely	N	False	N	N
Residential	8889	4/29/2026	No	Unlikely	N	False	Y	N
Planned Industrial Park	31753	4/21/2026	Stagnant	Unlikely	N	False	N	N
Residential	94	6/8/2026	No	Unlikely	N	False	N	N
Residential	14882	4/10/2026	Stagnant	Unlikely	N	False	N	N
Planned Industrial Park	52491	4/9/2026	No	Unlikely	N	False	N	N
Residential	27546	9/17/2025	No	Unlikely	N	False	Y	N
Residential	52668	7/22/2025	Yes	Unlikely	N	False	N	N
Residential	53124	6/9/2026	No	Unlikely	N	False	Y	N
Residential	49717	7/21/2025	No	Unlikely	N	False	Y	N
Institutional (schools/churches)	19672	7/30/2025	No	Unlikely	N	True	N	N
Residential	61107	8/14/2025	No	Unlikely	N	True	Y	N
Residential	23432	12/15/2025	No	Unlikely	N	True	Y	N
Residential	5229	6/23/2026	Stagnant	Unlikely	N	False	N	N
Residential	5143	5/13/2026	Yes	Unlikely	N	False	N	N
Residential	8874	4/29/2026	Yes	Unlikely	N	False	Y	N
Residential	60589	8/18/2025	No	Unlikely	N	False	N	N
Open Space	9268	8/12/2025	No	Unlikely	N	False	N	N
Residential	35715	9/2/2025	No	Unlikely	N	False	Y	N
Open Space	38396	9/15/2025	No	Unlikely	N	True	N	N
Residential	3941	9/17/2025	Yes	Unlikely	N	False	N	N
Residential	25738	7/24/2025	No	Unlikely	N	False	Y	N
Other	30817	7/25/2025	Yes	Unlikely	N	False	Y	N
Residential	6519	8/12/2025	No	Unlikely	N	True	N	N
Residential	7441	3/20/2026	No	Unlikely	N	False	Y	N
Open Space	38406	9/15/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	36181	9/12/2025	No	Unlikely	N	False	N	N
Residential	38116	9/8/2025	Yes	Unlikely	N	False	N	N
Gas Station	24673	3/11/2026	Stagnant	Unlikely	Y	True	N	N
Residential	51242	7/22/2025	No	Unlikely	N	False	N	N
Regional Mall	25307	6/2/2026	No	Unlikely	N	False	Y	N
Institutional (schools/churches)	14155	7/28/2025	Yes	Unlikely	N	False	Y	N
Residential	4590	6/23/2026	No	Unlikely	N	False	Y	N
Residential	27043	7/11/2025	No	Unlikely	N	False	Y	N
Residential	17932	11/17/2025	No	Unlikely	N	False	N	N
Hospital	24787	6/3/2026	No	Unlikely	N	True	Y	N
Residential	65841	1/22/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	31761	4/21/2026	No	Unlikely	N	False	N	N
Residential	62102	4/21/2026	Stagnant	Unlikely	N	False	N	N
Other	38112	9/9/2025	No	Unlikely	N	False	N	N
Residential	15086	9/17/2025	No	Unlikely	N	False	N	N
Residential	65859	1/28/2026	No	Unlikely	N	False	N	N
Residential	20833	10/28/2025	No	Unlikely	N	False	N	N
Residential	3986	5/14/2026	No	Unlikely	N	False	Y	N
Other	24503	11/18/2025	No	Unlikely	N	True	Y	N
Residential	26616	8/6/2025	Yes	Unlikely	N	False	N	N
Open Space	38398	9/15/2025	No	Unlikely	N	True	N	N
Residential	323	5/20/2026	No	Unlikely	N	False	Y	N
Other	24538	12/1/2025	No	Unlikely	N	False	Y	N
Residential	43704	3/20/2026	No	Unlikely	N	False	N	N
Residential	30820	7/25/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	60816	4/9/2026	No	Unlikely	N	True	N	N
Shopping Center	27931	8/6/2025	No	Unlikely	Y	False	N	N
Residential	15872	10/28/2025	No	Unlikely	N	True	N	N
Residential	14528	7/30/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	34170	4/9/2026	No	Unlikely	Y	False	N	N
Open Space	25573	7/28/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	34173	4/8/2026	No	Unlikely	Y	False	N	N
Residential	26027	12/15/2025	No	Unlikely	N	False	Y	N
Other Industrial	62135	9/11/2025	No	Unlikely	Y	False	N	N

Residential	11707	1/14/2026	No	Unlikely	N	True	N	N
Residential	15550	4/28/2026	No	Unlikely	N	True	Y	N
Residential	43718	3/20/2026	No	Unlikely	N	False	N	N
Residential	77464	8/7/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	60976	4/17/2026	No	Unlikely	N	False	N	N
Other	13707	6/3/2026	No	Unlikely	Y	False	Y	N
Open Space	66774	8/12/2025	Stagnant	Unlikely	N	False	Y	N
Residential	20546	11/18/2025	Stagnant	Unlikely	N	False	Y	N
Residential	15539	4/29/2026	No	Unlikely	N	True	Y	N
Residential	4621	6/23/2026	No	Unlikely	N	False	Y	N
Residential	61029	7/14/2025	No	Unlikely	N	False	Y	N
Open Space	38390	9/15/2025	No	Unlikely	N	True	N	N
Other	42739	8/8/2025	Yes	Unlikely	N	False	Y	N
Wholesale Warehousing	45679	8/8/2025	No	Unlikely	Y	True	N	N
Residential	4820	5/19/2026	No	Unlikely	N	False	Y	N
Residential	20562	11/17/2025	No	Unlikely	N	False	Y	N
Other Industrial	62137	9/11/2025	No	Unlikely	Y	False	N	N
Residential	4619	6/23/2026	No	Unlikely	N	False	N	N
Gas Station	12357	10/22/2025	No	Unlikely	N	True	N	N
Residential	56140	6/4/2026	No	Unlikely	N	True	Y	N
Residential	42218	8/14/2025	No	Unlikely	N	False	Y	N
Residential	52604	7/28/2025	Stagnant	Unlikely	N	False	Y	N
Residential	23850	5/20/2026	No	Unlikely	N	False	N	N
Residential	65844	1/22/2026	No	Unlikely	N	False	N	N
Research and Testing	19568	8/25/2025	No	Unlikely	Y	False	Y	N
Shopping Center	8223	7/22/2025	No	Obvious	Y	True	Y	N
Shopping Center	33077	3/10/2026	Stagnant	Obvious	Y	True	Y	N
Planned Industrial Park	65823	6/1/2026	No	Unlikely	N	True	N	N
Residential	16675	7/11/2025	No	Unlikely	N	True	Y	N
Residential	35070	10/21/2025	Yes	Unlikely	N	False	N	N
Residential	48334	8/7/2025	Stagnant	Unlikely	N	False	Y	N
Residential	69552	12/1/2025	No	Unlikely	N	False	N	N
Residential	21084	8/27/2025	No	Unlikely	N	False	Y	N
Residential	23889	12/1/2025	No	Unlikely	N	False	Y	N
Regional Mall	6359	4/20/2026	Stagnant	Unlikely	N	False	N	N
Other	21502	8/18/2025	No	Unlikely	Y	False	N	N
Residential	183	12/11/2025	Stagnant	Unlikely	N	False	N	N
Residential	15474	4/29/2026	No	Unlikely	N	False	N	N
Residential	8443	5/20/2026	No	Unlikely	N	False	Y	N
Shopping Center	63840	4/21/2026	No	Unlikely	Y	False	N	N
Other	38436	9/15/2025	No	Unlikely	N	False	N	N
Other	24419	10/29/2025	No	Unlikely	Y	False	Y	N
Residential	14912	4/10/2026	No	Unlikely	N	False	Y	N
Other	41052	6/17/2026	No	Unlikely	N	False	N	N
Residential	56129	6/8/2026	No	Unlikely	N	False	N	N
Other	24501	11/18/2025	No	Unlikely	N	True	Y	N
Residential	31865	8/25/2025	No	Unlikely	N	False	Y	N
Open Space	38388	9/15/2025	No	Unlikely	N	True	N	N
Residential	4787	6/23/2026	No	Unlikely	N	False	N	N
Residential	68375	1/28/2026	Stagnant	Unlikely	N	True	Y	N
Other	62143	4/9/2026	No	Unlikely	N	False	N	N
Wholesale Warehousing	67159	4/17/2026	No	Unlikely	N	False	N	N
Residential	57766	1/14/2026	Yes	Unlikely	N	False	N	N
Hotel w/ Restaurant	24802	10/21/2025	No	Unlikely	N	False	N	N
Shopping Center	20705	10/22/2025	No	Unlikely	N	False	N	N
Residential	15525	4/29/2026	No	Unlikely	N	True	Y	N
Other	24541	12/1/2025	No	Unlikely	N	False	Y	N
Institutional (schools/churches)	59041	8/8/2025	No	Unlikely	N	False	Y	N
Residential	51244	7/21/2025	No	Unlikely	N	True	Y	N
Residential	27990	7/23/2025	No	Unlikely	N	False	Y	N
Residential	23421	12/15/2025	No	Unlikely	N	False	Y	N
Other	30586	9/2/2025	Stagnant	Unlikely	N	True	N	N
Other	27474	1/14/2026	No	Unlikely	N	True	N	N
Residential	5291	9/17/2025	No	Unlikely	N	False	N	N
Residential	15824	10/28/2025	No	Unlikely	N	False	N	N
Other	64779	8/14/2025	Yes	Unlikely	N	False	N	N
Planned Industrial Park	35882	4/17/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	1116	4/8/2026	No	Unlikely	Y	False	N	N
Residential	52670	7/21/2025	Stagnant	Unlikely	N	False	N	N
Residential	51239	7/21/2025	No	Unlikely	N	True	N	N
Residential	15847	10/27/2025	Stagnant	Unlikely	N	False	Y	N
Residential	17963	7/25/2025	No	Unlikely	N	False	Y	N

Residential	51229	7/22/2025	No	Unlikely	N	False	N	N
Other	4161	5/19/2026	No	Unlikely	N	False	Y	N
Shopping Center	27128	3/10/2026	Stagnant	Unlikely	Y	False	Y	N
Residential	17761	7/30/2025	No	Unlikely	N	False	Y	N
Regional Mall	46033	3/20/2026	No	Unlikely	N	False	N	N
Residential	17973	7/25/2025	No	Unlikely	N	False	Y	N
Residential	22248	6/23/2026	No	Unlikely	N	False	Y	N
Residential	5991	9/17/2025	No	Unlikely	N	False	Y	N
Residential	27751	7/23/2025	Stagnant	Unlikely	Y	False	Y	Y
Residential	8893	4/29/2026	No	Unlikely	N	False	N	N
Other	20821	10/28/2025	No	Unlikely	N	False	N	N
Residential	5104	5/13/2026	No	Unlikely	N	False	N	N
Residential	38123	8/7/2025	No	Unlikely	N	False	Y	N
Residential	23423	12/15/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	27184	4/9/2026	No	Unlikely	N	False	N	N
Residential	21561	6/1/2026	No	Unlikely	N	False	Y	N
Planned Industrial Park	46742	9/12/2025	No	Unlikely	N	False	N	N
Residential	4558	6/23/2026	No	Unlikely	N	False	Y	N
Residential	64139	11/12/2025	Yes	Obvious	Y	False	N	N
Planned Industrial Park	35885	4/16/2026	Yes	Unlikely	N	False	N	N
Residential	26235	4/20/2026	No	Unlikely	N	False	Y	N
Residential	17956	11/17/2025	No	Unlikely	N	False	N	N
Residential	854	5/20/2026	No	Unlikely	N	False	Y	N
Residential	14765	7/22/2025	Yes	Unlikely	N	False	Y	N
Residential	15478	4/29/2026	No	Unlikely	N	False	Y	N
Residential	15850	10/28/2025	No	Unlikely	N	True	N	N
Planned Industrial Park	62139	4/8/2026	No	Unlikely	Y	False	N	N
Other	13901	7/30/2025	No	Unlikely	N	False	Y	N
Hotel w/ Restaurant	13821	10/22/2025	No	Unlikely	N	False	N	N
Residential	28175	7/23/2025	No	Unlikely	N	False	Y	N
Residential	5278	1/13/2026	No	Unlikely	N	False	N	N
Open Space	24543	12/1/2025	No	Unlikely	N	False	N	N
Other	65819	6/1/2026	No	Unlikely	N	True	N	N
Residential	20389	8/12/2025	Yes	Unlikely	N	False	N	N
Residential	75869	3/20/2026	No	Unlikely	N	False	N	N
Residential	21604	11/17/2025	No	Unlikely	N	False	Y	N
Residential	20828	10/28/2025	No	Unlikely	N	False	N	N
Regional Mall	21282	4/29/2026	No	Unlikely	N	False	Y	N
Other	31560	8/25/2025	No	Unlikely	N	True	N	N
Other	13641	6/3/2026	Yes	Unlikely	N	False	N	N
Planned Industrial Park	37192	9/12/2025	No	Unlikely	N	False	N	N
Open Space	54284	6/8/2026	No	Unlikely	N	False	Y	N
Residential	34050	10/28/2025	No	Unlikely	N	True	Y	N
Residential	317	5/20/2026	No	Unlikely	N	False	Y	N
Residential	14878	4/10/2026	Yes	Unlikely	N	False	N	N
Institutional (schools/churches)	19680	7/30/2025	No	Unlikely	N	False	N	N
Residential	65869	1/28/2026	No	Unlikely	N	False	N	N
Residential	5376	9/17/2025	No	Unlikely	N	False	N	N
Residential	34916	6/1/2026	No	Unlikely	N	False	N	N
Residential	30481	9/3/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	31567	8/25/2025	No	Unlikely	N	False	N	N
Residential	48328	8/7/2025	No	Unlikely	N	False	N	N
Open Space	11164	10/22/2025	No	Unlikely	N	False	N	N
Residential	20557	11/18/2025	No	Unlikely	N	False	N	N
Residential	51227	7/22/2025	No	Unlikely	N	False	N	N
Open Space	38410	9/15/2025	No	Unlikely	N	True	N	N
Planned Industrial Park	5992-001	6/1/2026	No	Unlikely	N	True	N	N
Residential	16842	7/11/2025	No	Unlikely	N	False	Y	N
Residential	4607	6/23/2026	No	Unlikely	N	False	N	N
Residential	30828	7/23/2025	No	Unlikely	N	True	Y	N
Residential	22608	6/8/2026	No	Unlikely	N	False	Y	N
Residential	26591	8/7/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	12058	9/11/2025	No	Unlikely	Y	False	N	N
Residential	54280	6/8/2026	No	Unlikely	N	False	Y	N
Residential	64773	8/14/2025	Stagnant	Unlikely	N	False	N	N
Open Space	38400	9/15/2025	No	Unlikely	N	True	N	N
Residential	77472	8/7/2025	Yes	Unlikely	N	False	N	N
Shopping Center	42743	8/8/2025	No	Unlikely	N	False	Y	N
Residential	5974	4/20/2026	No	Unlikely	N	False	Y	N
Open Space	26776	8/7/2025	No	Unlikely	N	False	N	N
Residential	14937	4/10/2026	No	Unlikely	N	False	N	N
Wholesale Warehousing	25253	4/17/2026	No	Unlikely	N	False	N	N

Open Space	67571	12/15/2025	Yes	Unlikely	N	False	N	N
Residential	24910	11/18/2025	No	Unlikely	N	False	Y	N
Other	66776	8/12/2025	Yes	Unlikely	N	False	Y	N
Residential	4804	5/14/2026	No	Unlikely	N	False	Y	N
Residential	30424	7/24/2025	No	Unlikely	N	False	Y	N
Residential	53147	6/9/2026	No	Unlikely	N	False	Y	N
Residential	35786	9/2/2025	Stagnant	Unlikely	N	False	Y	N
Other	16552	10/21/2025	Yes	Unlikely	N	False	N	N
Residential	60247	6/1/2026	No	Unlikely	N	False	Y	N
Residential	9251	8/12/2025	No	Unlikely	N	False	N	N
Residential	2590	1/14/2026	No	Unlikely	N	False	N	N
Residential	15531	4/29/2026	No	Unlikely	N	False	Y	N
Residential	27051	7/11/2025	No	Unlikely	N	False	Y	N
Residential	39339	9/3/2025	No	Unlikely	N	True	N	N
Shopping Center	43434	8/8/2025	No	Unlikely	Y	False	Y	N
Open Space	38424	9/15/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	60974	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Shopping Center	33040	3/9/2026	Yes	Unlikely	N	False	N	N
Residential	64743	8/14/2025	No	Unlikely	N	False	N	N
Residential	23176	12/15/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	31556	8/25/2025	No	Unlikely	N	True	N	N
Residential	14818	7/23/2025	No	Unlikely	N	False	Y	N
Residential	68328	1/22/2026	No	Unlikely	N	False	Y	N
Residential	15547	4/29/2026	No	Unlikely	N	True	Y	N
Residential	26774	8/7/2025	Stagnant	Unlikely	N	False	N	N
Residential	62133	9/11/2025	No	Unlikely	Y	False	N	N
Planned Industrial Park	20412	9/11/2025	No	Unlikely	Y	False	N	N
Residential	65826	1/28/2026	No	Unlikely	N	False	N	N
Residential	22241	6/23/2026	No	Unlikely	N	False	Y	N
Planned Industrial Park	65817	6/1/2026	No	Unlikely	Y	False	N	N
Planned Industrial Park	12056	9/11/2025	No	Unlikely	N	False	N	N
Residential	51244	7/21/2025	No	Unlikely	N	True	Y	N
Planned Industrial Park	56039	4/17/2026	No	Unlikely	N	False	N	N
Residential	26713	10/21/2025	No	Unlikely	N	False	Y	N
Residential	51225	7/22/2025	No	Unlikely	N	False	N	N
Residential	35252	8/25/2025	No	Unlikely	N	False	Y	N
Shopping Center	34426	4/10/2026	No	Unlikely	N	False	N	N
Residential	34726	12/1/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	20574	8/25/2025	No	Unlikely	N	False	N	N
Residential	4824	5/19/2026	No	Unlikely	N	False	Y	N
Residential	8472	6/9/2026	Yes	Unlikely	N	False	Y	N
Residential	55178	9/3/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	20406	6/1/2026	Stagnant	Unlikely	Y	True	N	N
Residential	23840	5/19/2026	No	Unlikely	N	False	N	N
Residential	23181	12/15/2025	No	Unlikely	N	False	Y	N
Residential	64182	9/11/2025	No	Unlikely	N	False	N	N
Residential	13512	4/21/2026	No	Unlikely	N	False	N	N
Residential	4806	5/14/2026	No	Unlikely	N	False	Y	N
Residential	62091	4/20/2026	Stagnant	Unlikely	N	False	N	N
Wholesale Warehousing	35892	4/17/2026	No	Unlikely	Y	True	N	N
Other	26790	8/7/2025	No	Unlikely	N	False	N	N
Residential	57625	1/14/2026	No	Unlikely	N	False	N	N
Residential	13276	5/20/2026	No	Unlikely	N	False	Y	N
Residential	25567	7/28/2025	Stagnant	Unlikely	N	False	N	N
Residential	26711	10/21/2025	No	Unlikely	N	False	N	N
Other	12278	8/8/2025	No	Unlikely	N	False	N	N
Open Space	64776	8/14/2025	No	Unlikely	N	False	N	N
Other	24530	11/18/2025	No	Unlikely	N	True	Y	N
Residential	4813	5/19/2026	No	Unlikely	N	False	Y	N
Other	38430	9/15/2025	No	Unlikely	N	True	N	N
Other	60136	7/14/2025	Yes	Unlikely	N	True	Y	N
Residential	57632	1/13/2026	No	Unlikely	N	True	N	N
Residential	23178	12/15/2025	No	Unlikely	N	False	Y	N
Institutional (schools/churches)	5756-003	8/25/2025	No	Unlikely	N	False	N	N
Residential	35436	7/23/2025	No	Unlikely	N	False	N	N
Residential	21520	6/1/2026	No	Unlikely	N	True	Y	N
Residential	15782	10/28/2025	No	Unlikely	N	False	N	N
Residential	17796	5/14/2026	No	Unlikely	N	False	N	N
Residential	56136	6/8/2026	No	Unlikely	N	False	Y	N
Institutional (schools/churches)	16762	4/21/2026	No	Unlikely	N	False	N	N
Residential	35317	10/21/2025	No	Unlikely	N	False	N	N
Residential	16994	7/11/2025	No	Unlikely	N	False	Y	N

Residential	4171	5/19/2026	No	Unlikely	N	False	N	N
Residential	8443	5/20/2026	No	Unlikely	N	False	Y	N
Institutional (schools/churches)	74561	12/15/2025	No	Unlikely	N	False	N	N
Other	60832	4/9/2026	Stagnant	Unlikely	N	True	N	N
Residential	75260	8/12/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	21473	6/1/2026	No	Unlikely	N	True	N	N
Planned Industrial Park	20414	6/1/2026	No	Unlikely	N	False	N	N
Shopping Center	64545	6/3/2026	No	Unlikely	N	True	Y	N
Residential	35099	6/9/2026	No	Unlikely	N	False	N	N
Residential	30007	7/23/2025	No	Unlikely	N	False	Y	N
Residential	162	12/15/2025	No	Unlikely	N	False	N	N
Other	24532	11/18/2025	No	Unlikely	N	True	N	N
Planned Industrial Park	60815	4/8/2026	Yes	Unlikely	N	False	N	N
Residential	62081	4/21/2026	Stagnant	Unlikely	N	False	N	N
Open Space	54543	8/25/2025	No	Unlikely	N	False	Y	N
Residential	8524	6/9/2026	No	Unlikely	N	False	Y	N
Planned Industrial Park	50790	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Residential	21557	6/1/2026	No	Unlikely	N	False	N	N
Regional Mall	21270	4/29/2026	No	Unlikely	N	False	Y	N
Planned Industrial Park	60820	4/8/2026	No	Unlikely	N	False	N	N
Residential	60320	7/15/2025	Stagnant	Unlikely	N	False	Y	N
Residential	2242	4/29/2026	No	Unlikely	N	False	N	N
Residential	28003	7/23/2025	No	Unlikely	N	False	Y	N
Other	37641	4/8/2026	No	Unlikely	N	False	N	N
Other	60764	7/14/2025	Stagnant	Unlikely	N	False	Y	N
Institutional (schools/churches)	38806	8/7/2025	No	Unlikely	N	False	Y	N
Residential	15504	4/29/2026	No	Unlikely	N	False	N	N
Residential	16821	7/11/2025	No	Unlikely	N	True	Y	N
Other	76792	8/8/2025	Yes	Unlikely	N	False	N	N
Residential	30306	5/13/2026	No	Unlikely	N	False	Y	N
Residential	9261	8/12/2025	No	Unlikely	N	False	N	N
Residential	17279	7/25/2025	No	Unlikely	N	True	N	N
Residential	8477	6/9/2026	No	Unlikely	N	False	Y	N
Planned Industrial Park	37196	9/12/2025	No	Unlikely	N	False	N	N
Open Space	33778	3/19/2026	Yes	Unlikely	N	False	N	N
Residential	2716	9/17/2025	No	Unlikely	N	False	Y	N
Open Space	13256	8/12/2025	No	Unlikely	N	False	Y	N
Residential	22605	6/4/2026	No	Unlikely	N	True	Y	N
Wholesale Warehousing	67161	4/17/2026	No	Unlikely	N	False	N	N
Other	54246	6/8/2026	Yes	Unlikely	N	False	Y	N
Planned Industrial Park	23516	9/11/2025	No	Unlikely	Y	False	N	N
Residential	35408	7/23/2025	No	Unlikely	N	False	Y	N
Residential	30470	7/24/2025	No	Unlikely	N	False	Y	N
Residential	64180	9/11/2025	No	Unlikely	N	False	N	N
Residential	9797	1/14/2026	No	Unlikely	N	False	N	N
Residential	46035	3/20/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	66507	8/22/2025	Stagnant	Unlikely	N	False	N	N
Residential	11711	1/14/2026	No	Unlikely	N	False	N	N
Residential	6217	9/17/2025	No	Unlikely	N	False	Y	N
Shopping Center	33047	3/9/2026	Yes	Unlikely	Y	False	N	N
Other	5024	9/17/2025	No	Unlikely	N	False	Y	N
Residential	2750	6/23/2026	No	Unlikely	N	False	N	N
Residential	60328	4/20/2026	No	Unlikely	N	False	Y	N
Open Space	38402	9/15/2025	No	Unlikely	N	True	N	N
Planned Industrial Park	23519	9/11/2025	No	Unlikely	Y	False	N	N
Residential	11420	3/10/2026	No	Unlikely	N	False	N	N
Residential	20535	6/15/2026	No	Unlikely	N	False	Y	N
Residential	55703	8/25/2025	No	Unlikely	N	False	N	N
Residential	57674	1/14/2026	No	Unlikely	N	False	Y	N
Residential	34502	7/23/2025	Stagnant	Unlikely	N	False	Y	N
Open Space	3313	10/21/2025	No	Unlikely	N	True	Y	N
Residential	8909	4/29/2026	No	Unlikely	N	False	Y	N
Residential	9795	1/13/2026	Yes	Unlikely	N	False	Y	N
Residential	35753	9/2/2025	No	Unlikely	N	False	Y	N
Wholesale Warehousing	47039	4/17/2026	No	Unlikely	Y	False	N	N
Wholesale Warehousing	34561	4/17/2026	No	Unlikely	N	True	N	N
Shopping Center	18588	6/2/2026	No	Unlikely	Y	False	Y	N
Residential	16989	7/11/2025	No	Unlikely	N	False	Y	N
Other	65847	1/28/2026	No	Unlikely	N	False	N	N
Residential	55184	9/3/2025	No	Unlikely	N	False	N	N
Residential	68295	1/28/2026	No	Unlikely	N	False	Y	N
Residential	42146	4/8/2026	No	Unlikely	N	False	Y	N

Residential	34485	7/23/2025	No	Unlikely	N	False	Y	N
Shopping Center	27922	8/7/2025	No	Unlikely	N	True	N	N
Other	13497	4/21/2026	Yes	Unlikely	N	False	N	N
Residential	29067	7/23/2025	No	Unlikely	N	False	N	N
Institutional (schools/churches)	19685	7/30/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	52442	4/9/2026	No	Unlikely	N	False	N	N
Residential	54314	6/4/2026	Yes	Unlikely	N	False	N	N
Shopping Center	27945	8/6/2025	No	Unlikely	N	False	N	N
Other	44479	11/17/2025	Yes	Unlikely	N	False	N	N
Residential	24764	6/2/2026	No	Unlikely	N	False	Y	N
Residential	863	5/19/2026	Yes	Unlikely	N	False	N	N
Residential	5022	9/17/2025	No	Unlikely	N	False	Y	N
Residential	8920	4/29/2026	No	Unlikely	N	False	N	N
Residential	22245	6/23/2026	No	Unlikely	N	False	Y	N
Residential	48340	8/7/2025	Stagnant	Unlikely	N	False	Y	N
Residential	68361	1/22/2026	Stagnant	Unlikely	N	False	Y	N
Hotel w/ Restaurant	5703	3/9/2026	Yes	Unlikely	Y	False	N	N
Residential	15786	10/27/2025	Yes	Unlikely	N	False	Y	N
Other	37651	4/8/2026	No	Unlikely	N	False	N	N
Other	75873	3/20/2026	No	Unlikely	N	False	N	N
Residential	65837	1/28/2026	No	Unlikely	N	False	N	N
Residential	4556	6/23/2026	No	Unlikely	N	False	Y	N
Residential	42155	8/14/2025	No	Unlikely	N	False	Y	N
Other	30434	7/24/2025	No	Unlikely	N	False	Y	N
Open Space	38432	9/15/2025	No	Unlikely	N	True	N	N
Residential	10400	9/16/2025	No	Unlikely	N	True	Y	N
Residential	61790	6/8/2026	No	Unlikely	N	False	Y	N
Residential	2295	1/14/2026	No	Unlikely	N	False	N	N
Wholesale Warehousing	47030	4/17/2026	No	Unlikely	Y	False	N	N
Residential	51220	7/22/2025	No	Unlikely	N	False	N	N
Residential	2394	1/14/2026	No	Unlikely	N	False	N	N
Residential	64179	9/11/2025	No	Unlikely	N	False	N	N
Residential	14871	4/10/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	66499	8/25/2025	No	Unlikely	N	False	N	N
Residential	25869	12/1/2025	No	Unlikely	N	False	Y	N
Residential	4831	5/14/2026	No	Unlikely	N	False	N	N
Residential	321	5/20/2026	No	Unlikely	N	False	Y	N
Residential	51214	7/22/2025	No	Unlikely	N	True	Y	N
Other	20549	11/17/2025	No	Unlikely	N	False	N	N
Residential	39898	9/3/2025	No	Unlikely	N	False	Y	N
Residential	13271	5/20/2026	No	Unlikely	N	False	Y	N
Residential	8510	6/9/2026	No	Unlikely	N	False	Y	N
Residential	14873	4/10/2026	Yes	Unlikely	N	True	N	N
Residential	4594	6/23/2026	No	Unlikely	N	False	Y	N
Residential	30815	7/23/2025	No	Unlikely	N	False	Y	N
Residential	815	8/7/2025	No	Unlikely	N	False	N	N
Residential	17291	7/25/2025	No	Unlikely	N	False	Y	N
Residential	15541	4/29/2026	No	Unlikely	N	False	Y	N
Other	77466	8/7/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	34993	4/8/2026	No	Unlikely	N	False	N	N
Residential	5210	9/17/2025	No	Unlikely	N	False	N	N
Residential	46901	8/7/2025	Stagnant	Unlikely	N	False	N	N
Other	15870	10/27/2025	Yes	Unlikely	N	False	Y	N
Residential	15483	4/28/2026	No	Unlikely	N	True	N	N
Residential	4167	5/19/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	47385	4/9/2026	No	Unlikely	N	False	N	N
Residential	30308	5/13/2026	No	Unlikely	N	False	Y	N
Residential	15080	9/17/2025	No	Unlikely	N	False	N	N
Other	68319	1/28/2026	No	Unlikely	N	False	Y	N
Other	17563	7/24/2025	Yes	Unlikely	N	False	Y	N
Residential	18140	12/15/2025	No	Unlikely	N	True	N	N
Residential	27993	7/23/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	31536	8/25/2025	Stagnant	Unlikely	N	False	N	N
Residential	22584	6/1/2026	No	Unlikely	N	True	N	N
Planned Industrial Park	34983	4/9/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	1112	4/8/2026	No	Unlikely	Y	False	N	N
Wholesale Warehousing	45694	8/8/2025	No	Unlikely	N	True	N	N
Residential	4016	5/13/2026	Yes	Unlikely	N	False	Y	N
Planned Industrial Park	26101	9/8/2025	No	Unlikely	Y	False	Y	N
Residential	3989	5/13/2026	No	Unlikely	N	False	N	N
Residential	4794	5/19/2026	No	Unlikely	N	True	Y	N
Residential	27323	7/24/2025	Yes	Unlikely	N	False	Y	N

Residential	34921	6/1/2026	No	Unlikely	N	False	N	N
Residential	63262	7/14/2025	No	Unlikely	N	False	Y	N
Residential	35264	8/25/2025	No	Unlikely	N	False	Y	N
Residential	52614	7/30/2025	No	Unlikely	N	False	Y	N
Residential	14939	4/10/2026	No	Unlikely	N	False	Y	N
Residential	56133	6/4/2026	Yes	Unlikely	N	False	Y	N
Residential	62078	4/21/2026	No	Unlikely	N	False	N	N
Other	28267	9/3/2025	No	Unlikely	N	False	Y	N
Shopping Center	64540	6/2/2026	Stagnant	Unlikely	N	False	Y	N
Residential	17789	7/30/2025	No	Unlikely	N	False	N	N
Other	51216	7/22/2025	No	Unlikely	N	True	Y	N
Residential	26822	8/7/2025	No	Unlikely	N	False	N	N
Institutional (schools/churches)	74564	12/15/2025	No	Unlikely	N	False	N	N
Residential	13266	8/12/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	65821	6/1/2026	No	Unlikely	N	False	N	N
Residential	60134	7/15/2025	Stagnant	Unlikely	N	False	Y	N
Residential	15564	4/29/2026	No	Unlikely	N	False	Y	N
Residential	16021	10/28/2025	No	Unlikely	N	False	Y	N
Open Space	37653	4/9/2026	Yes	Unlikely	N	False	N	N
Other	75557	7/15/2025	Yes	Unlikely	N	False	N	N
Residential	54306	6/8/2026	No	Unlikely	N	False	Y	N
Residential	53610	3/20/2026	No	Unlikely	N	False	N	N
Other	19942	8/7/2025	Stagnant	Unlikely	N	False	Y	N
Residential	65839	1/28/2026	No	Unlikely	N	False	N	N
Other	18639	3/10/2026	No	Unlikely	N	False	N	N
Residential	6906	4/21/2026	No	Unlikely	N	False	Y	N
Shopping Center	27933	8/6/2025	No	Unlikely	N	False	N	N
Residential	22612	6/8/2026	No	Unlikely	N	False	Y	N
Other	10723	9/3/2025	No	Unlikely	N	True	N	N
Residential	17971	7/25/2025	No	Unlikely	N	False	Y	N
Residential	4580	6/23/2026	No	Unlikely	N	False	N	N
Residential	34707	8/27/2025	No	Unlikely	N	False	Y	N
Residential	68311	1/22/2026	Stagnant	Unlikely	N	False	Y	N
Planned Industrial Park	46748	9/12/2025	No	Unlikely	N	False	N	N
Residential	50861	8/18/2025	No	Unlikely	N	False	Y	N
Residential	4615	6/23/2026	No	Unlikely	N	False	N	N
Residential	14526	7/30/2025	No	Unlikely	N	False	Y	N
Residential	30316	5/13/2026	No	Unlikely	N	False	Y	N
Residential	39904	9/3/2025	No	Unlikely	N	False	N	N
Other	38434	9/12/2025	Stagnant	Unlikely	N	False	N	N
Other	67573	12/15/2025	Yes	Unlikely	N	False	N	N
Residential	24933	11/18/2025	No	Unlikely	N	False	N	N
Residential	7094	9/11/2025	No	Unlikely	N	False	N	N
Residential	26583	8/6/2025	No	Unlikely	N	False	N	N
Residential	4822	5/19/2026	No	Unlikely	N	False	Y	N
Residential	16983	7/11/2025	Stagnant	Unlikely	N	False	Y	N
Open Space	68377	1/22/2026	Stagnant	Unlikely	N	True	Y	N
Residential	34914	6/1/2026	No	Unlikely	N	False	N	N
Residential	160	12/15/2025	No	Unlikely	N	True	N	N
Residential	4163	5/19/2026	No	Unlikely	N	False	Y	N
Planned Industrial Park	37194	9/12/2025	No	Unlikely	N	False	N	N
Residential	68682	6/15/2026	No	Unlikely	N	False	Y	N
Residential	64480	8/18/2025	No	Unlikely	N	False	N	N
Residential	16997	7/11/2025	No	Unlikely	N	True	Y	N
Residential	65835	1/28/2026	No	Unlikely	N	False	N	N
Other	24498	11/18/2025	No	Unlikely	N	False	Y	N
Residential	850	5/20/2026	No	Unlikely	N	False	N	N
Residential	62097	4/21/2026	No	Unlikely	N	False	N	N
Residential	64183	9/11/2025	No	Unlikely	N	False	N	N
Residential	4784	6/23/2026	No	Unlikely	N	False	N	N
Residential	11157	7/22/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	37344	8/25/2025	No	Unlikely	Y	True	N	N
Residential	22610	6/8/2026	No	Unlikely	N	False	Y	N
Residential	13241	8/12/2025	No	Unlikely	N	False	N	N
Residential	17556	7/25/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	60891	6/1/2026	No	Unlikely	Y	False	N	N
Residential	35085	10/21/2025	No	Unlikely	N	False	N	N
Other	30508	9/3/2025	No	Unlikely	N	False	N	N
Wholesale Warehousing	13480	10/21/2025	No	Unlikely	N	True	N	N
Residential	532	6/2/2026	No	Unlikely	N	False	Y	N
Residential	24292	7/30/2025	No	Unlikely	N	False	Y	N
Residential	21559	6/1/2026	No	Unlikely	N	False	Y	N

Residential	35433	7/23/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	60843	4/8/2026	Yes	Unlikely	Y	False	N	N
Residential	6510	8/12/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	20584	8/25/2025	No	Unlikely	N	False	N	N
Residential	14898	4/10/2026	No	Unlikely	N	False	N	N
Residential	18570	6/3/2026	No	Unlikely	N	False	Y	N
Open Space	75844	3/19/2026	Yes	Unlikely	N	False	N	N
Regional Mall	25309	6/3/2026	No	Unlikely	N	False	Y	N
Shopping Center	64559	6/3/2026	No	Unlikely	N	True	Y	N
Residential	4800	5/14/2026	No	Unlikely	N	False	Y	N
Residential	7401	6/1/2026	Yes	Unlikely	N	False	N	N
Residential	805	8/7/2025	Stagnant	Unlikely	N	False	N	N
Planned Industrial Park	46740	9/15/2025	No	Unlikely	N	False	N	N
Residential	16987	7/11/2025	Yes	Unlikely	N	False	N	N
Residential	34719	8/27/2025	No	Unlikely	N	False	Y	N
Residential	38136	8/7/2025	No	Unlikely	N	False	Y	N
Hotel w/ Restaurant	11160	10/22/2025	No	Unlikely	Y	False	N	N
Residential	4789	5/14/2026	No	Unlikely	N	True	N	N
Residential	17579	9/16/2025	Stagnant	Unlikely	N	False	Y	N
Residential	818	8/7/2025	No	Unlikely	N	False	N	N
Open Space	38420	9/15/2025	No	Unlikely	N	False	N	N
Residential	11964	6/15/2026	No	Unlikely	N	False	Y	N
Residential	866	5/20/2026	No	Unlikely	N	False	N	N
Residential	5156	5/13/2026	Yes	Unlikely	N	False	N	N
Residential	34923	6/1/2026	No	Unlikely	N	True	N	N
Planned Industrial Park	30962	4/8/2026	Stagnant	Unlikely	Y	False	N	N
Residential	23418	12/15/2025	Yes	Unlikely	N	False	Y	N
Residential	17577	9/16/2025	Stagnant	Unlikely	N	False	Y	N
Open Space	38404	9/15/2025	No	Unlikely	N	False	N	N
Other	24534	11/18/2025	No	Unlikely	N	False	Y	N
Residential	34699	8/27/2025	No	Unlikely	N	False	N	N
Other	17566	7/25/2025	No	Unlikely	N	False	Y	N
Residential	4173	5/19/2026	No	Unlikely	N	False	Y	N
Residential	66509	8/25/2025	No	Unlikely	N	False	N	N
Institutional (schools/churches)	68043	4/21/2026	No	Unlikely	N	False	N	N
Other	5242	6/22/2026	Yes	Unlikely	N	False	N	N
Residential	5059	9/17/2025	No	Unlikely	N	False	N	N
Residential	25544	7/28/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	46140	4/8/2026	Yes	Unlikely	Y	False	N	N
Open Space	33780	3/20/2026	No	Unlikely	N	False	N	N
Residential	13507	4/21/2026	No	Unlikely	N	False	N	N
Residential	75574	7/15/2025	No	Unlikely	N	False	N	N
Other	18698	3/10/2026	No	Unlikely	N	False	N	N
Residential	54254	6/8/2026	No	Unlikely	N	False	Y	N
Residential	38146	8/7/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	30952	4/8/2026	Stagnant	Unlikely	Y	False	N	N
Research and Testing	31543	8/25/2025	No	Unlikely	Y	False	N	N
Other	42736	8/8/2025	No	Unlikely	N	False	Y	N
Planned Industrial Park	38615	8/22/2025	Yes	Unlikely	Y	False	Y	N
Residential	51246	7/22/2025	No	Unlikely	N	True	N	N
Other	29155	6/8/2026	Yes	Unlikely	N	True	N	N
Residential	5956	4/21/2026	No	Unlikely	N	False	N	N
Residential	13248	8/12/2025	No	Unlikely	N	False	N	N
Residential	3454	6/9/2026	No	Unlikely	N	False	N	N
Residential	51237	7/21/2025	No	Unlikely	N	True	N	N
Institutional (schools/churches)	32139	6/9/2026	No	Unlikely	N	False	Y	N
Residential	57683	1/14/2026	No	Unlikely	N	True	Y	N
Wholesale Warehousing	67155	4/17/2026	Stagnant	Unlikely	Y	False	N	N
Wholesale Warehousing	46058	4/17/2026	No	Unlikely	Y	False	N	N
Residential	4798	5/14/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	37363	8/25/2025	No	Unlikely	N	False	N	N
Residential	27307	7/24/2025	No	Unlikely	N	False	Y	N
Residential	4796	5/14/2026	No	Unlikely	N	False	N	N
Open Space	68369	1/22/2026	Yes	Unlikely	N	False	Y	N
Residential	9761	1/14/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	37334	8/25/2025	No	Unlikely	N	False	N	N
Planned Industrial Park	34353	8/25/2025	No	Unlikely	N	False	N	N
Regional Mall	13702	6/3/2026	No	Unlikely	N	False	Y	N
Residential	54286	6/8/2026	No	Unlikely	N	False	Y	N
Residential	30432	7/24/2025	No	Unlikely	N	False	Y	N
Residential	34936	6/1/2026	Yes	Unlikely	N	False	N	N
Other	65832	1/28/2026	No	Unlikely	N	False	N	N

Residential	30419	7/24/2025	No	Unlikely	N	False	Y	N
Residential	4169	5/19/2026	No	Unlikely	N	False	Y	N
Planned Industrial Park	46135	4/8/2026	Stagnant	Unlikely	Y	False	N	N
Planned Industrial Park	39371	4/17/2026	No	Unlikely	N	False	N	N
Planned Industrial Park	19260	9/15/2025	No	Unlikely	N	False	Y	N
Open Space	38392	9/15/2025	No	Unlikely	N	True	N	N
Residential	68317	1/28/2026	Stagnant	Unlikely	N	False	Y	N
Other	12405	7/22/2025	No	Unlikely	N	False	N	N
Residential	6513	8/12/2025	No	Unlikely	N	False	N	N
Wholesale Warehousing	13484	10/21/2025	No	Unlikely	N	True	N	N
Other	38438	9/15/2025	Stagnant	Unlikely	N	False	N	N
Open Space	24709	6/3/2026	No	Unlikely	N	True	Y	N
Residential	27047	7/11/2025	No	Unlikely	N	False	Y	N
Residential	4815	5/19/2026	No	Unlikely	N	False	Y	N
Residential	9759	1/13/2026	Stagnant	Unlikely	N	False	Y	N
Planned Industrial Park	31569	8/25/2025	No	Unlikely	N	False	N	N
Residential	4573	6/22/2026	Yes	Unlikely	N	False	Y	N
Other	17911	11/17/2025	Yes	Unlikely	N	False	N	N
Residential	24788	6/3/2026	No	Unlikely	N	False	Y	N
Residential	17743	7/30/2025	Stagnant	Unlikely	N	False	Y	N
Institutional (schools/churches)	20357	8/12/2025	Yes	Unlikely	N	False	N	N
Residential	34779	4/21/2026	No	Unlikely	N	False	Y	N
Residential	29327	7/24/2025	Stagnant	Unlikely	N	False	Y	N
Planned Industrial Park	31554	8/25/2025	No	Unlikely	N	False	N	N
Residential	4560	6/23/2026	No	Unlikely	N	False	Y	N
Wholesale Warehousing	11341	4/17/2026	No	Unlikely	N	False	N	N
Wholesale Warehousing	25256	4/17/2026	No	Unlikely	N	False	N	N
Residential	13236	8/12/2025	No	Unlikely	N	False	N	N
Residential	68688	6/17/2026	No	Unlikely	N	False	Y	N
Mobile Home Park	68330	1/22/2026	Stagnant	Unlikely	N	False	Y	N
748 **Outfalls**								

Appendix N

Stormwater Management Facilities

Added to Inventory

Facilities added to County Inventory in FY2026

Facility ID	Facility Type	Facility Description	Inventory Date	Maintenance	Comments	Swm Agreement	VAHUC 6	VAHUC12 Name	Plan Name	Status	Drainage Area	Latitude	Longitude
1095	SWMP/BMP	D	7/25/2025	P	2" BMP ORIFICE AT RISER	N	PL32	Broad Run-Catletts Branch	HUNTER AT HAYMARKET	R	2.42	38.8085	-77.6487
1096	SWMP/BMP	D	7/25/2025	P	2" BMP ORIFICE AT RISER, 6" DRAWDOWN PIPE	N	PL32	Broad Run-Catletts Branch	HAYMARKET LANDING	R	10.52	38.8090	-77.6437
1097	SWMP/BMP	D	7/25/2025	P	1.7" BMP ORIFICE AT RISER, 6" DRAWDOWN PIPE	N	PL32	Broad Run-Catletts Branch	HAYMARKET LANDING	R	9.35	38.8081	-77.6419
1098	BMP	U	8/4/2025	P	CDS SYSTEM, B&G MAINT	N	PL47	Occoquan River-Occoquan Reservoir	PWC CENTRAL DISTRICT POLICE STATION	NR	0.53	38.6852	-77.3585
1099	SWMP/BMP	D	8/4/2025	P	1"x1.75" BMP ORIFICE AT RISER, B&G MAINT	N	PL47	Occoquan River-Occoquan Reservoir	PWC CENTRAL DISTRICT POLICE STATION	NR	12.95	38.6859	-77.3575
1100	SWMP/BMP	D	8/18/2025	P	2.25" BMP ORIFICE AT RISER, 6" DRAWDOWN PIPE	N	PL32	Broad Run-Catletts Branch	MARKET CENTER AT HAYMARKET	NR	8.25	38.8185	-77.6472
1101	BMP	B	11/4/2025	P	FILTERRA BIOSCAPE FACILITY, B&G MAINT	N	PL51	Powells Creek	PRINCE WILLIAM COUNTY ANIMAL SHELTER	NR	1.39	38.6350	-77.4311
1102	BMP	B	11/4/2025	P	BIORETENTION AREA, B&G MAINT	N	PL52	Quantico Creek	PRINCE WILLIAM COUNTY ANIMAL SHELTER	NR	1.31	38.6340	-77.4300
1103	BMP	B	11/4/2025	P	FILTERRA BIOSCAPE FACILITY, B&G MAINT	N	PL52	Quantico Creek	PRINCE WILLIAM COUNTY ANIMAL SHELTER	NR	1.96	38.6342	-77.4292
1104	SWMP/BMP	W	12/9/2025	P	PWSE=74.05', 12" DRAWDOWN PIPE	N	PL51	Powells Creek	EAGLES POINTE WEST LANDBAY A SECTION 1	R	34.01	38.6074	-77.3159
1105	SWMP/BMP	W	12/9/2025	P	PWSE=78.36', 12" DRAWDOWN PIPE	N	PL51	Powells Creek	EAGLES POINTE WEST LANDBAY A SECTION 1	R	39.53	38.6039	-77.3219
1106	SWMP/BMP	D	1/9/2026	P	4'x4' RISER, 4" BMP ORIFICE AT RISER	N	PL34	Broad Run-Rocky Branch	WILSONS RESERVE	R	2.73	38.7235	-77.4821
1107	SWMP/BMP	D	1/15/2026	P	1.25" BMP ORIFICE AT EW	N	PL51	Powells Creek	EAGLES POINTE EAST LANDBAY C SECTION 4	R	7.40	38.5973	-77.3037
1109	SWMP/BMP	D	3/31/2026	P	2" BMP ORIFICE AT RISER, 6" DRAWDOWN PIPE	N	PL34	Broad Run-Rocky Branch	VIRGINIA GATEWAY SOUTH SELF STORAGE	NR	1.84	38.7933	-77.6161
1110	SWMP/BMP	D	3/31/2026	P	4" BMP ORIFICE AT RISER, 6" DRAWDOWN PIPE	N	PL34	Broad Run-Rocky Branch	VIRGINIA GATEWAY SOUTH SELF STORAGE	NR	2.99	38.7922	-77.6151
1111	SWMP/BMP	W	4/1/2026	P	PWSE=190.35', 5" BMP ORIFICE AT RISER	N	PL34	Broad Run-Rocky Branch	AIRPORT GATEWAY COMMERCE CENTER PIP	NR	26.31	38.7201	-77.4986
1112	SWMP/BMP	W	5/1/2026	P	PWSE=115.44', 2 RISERS, 8" DRAWDOWN PIPE	N	PL52	Quantico Creek	SADDLEBROOK RUN	R	5.28	38.5369	-77.3202
1113	SWMP/BMP	W	5/20/2026	P	PWSE=209.57', 6" BMP ORIFICE AT RISER	N	PL34	Broad Run-Rocky Branch	ARCARI ESTATES	R	11.92	38.7445	-77.5473
6294	CBMP	B	7/25/2025	C	BIORETENTION AREA, RISER=HIGH FLOW OUTFALL	Y	PL32	Broad Run-Catletts Branch	HUNTER AT HAYMARKET	R	3.77	38.8092	-77.6461
6295	CBMP	O	7/25/2025	C	LEVEL SPREADER	Y	PL32	Broad Run-Catletts Branch	HUNTER AT HAYMARKET	R	3.77	38.8095	-77.6459
6296	CBMP	B	7/25/2025	C	BIORETENTION AREA, RISER=HIGH FLOW OUTFALL	Y	PL32	Broad Run-Catletts Branch	HUNTER AT HAYMARKET	R	1.67	38.8095	-77.6466
6297	CBMP	O	7/25/2025	C	LEVEL SPREADER, NO ESMT	Y	PL32	Broad Run-Catletts Branch	HUNTER AT HAYMARKET	R	1.67	38.8096	-77.6463
6298	CBMP	O	7/25/2025	C	LEVEL SPREADER	Y	PL32	Broad Run-Catletts Branch	HUNTER AT HAYMARKET	R	0.98	38.8092	-77.6480
6299	CSWMP	D	8/4/2025	C	4'x4' RISER	Y	PL34	Broad Run-Rocky Branch	AIRPORT COMMERCE CENTER	NR	5.70	38.7384	-77.5244
6300	CSWMP	D	8/4/2025	C	4'x4' RISER	Y	PL34	Broad Run-Rocky Branch	AIRPORT COMMERCE CENTER	NR	2.90	38.7372	-77.5242
6301	CSWMP	D	8/4/2025	C	4'x4' RISER	Y	PL34	Broad Run-Rocky Branch	AIRPORT COMMERCE CENTER	NR	12.80	38.7366	-77.5239
6302	CSWMP/BMP	U	8/18/2025	C	STORMTECH SC-740 W/ 5 ISOLATOR CHAMBERS	Y	PL32	Broad Run-Catletts Branch	MARKET CENTER AT HAYMARKET	NR	5.55	38.8174	-77.6439
6303	CSWMP/BMP	U	8/18/2025	C	STORMTECH SC-740 W/ 4 ISOLATOR CHAMBERS	Y	PL32	Broad Run-Catletts Branch	MARKET CENTER AT HAYMARKET	NR	4.61	38.8176	-77.6458
6304	CSWMP/BMP	U	8/18/2025	C	STORMTECH SC-740 W/ 5 ISOLATOR CHAMBERS	Y	PL32	Broad Run-Catletts Branch	MARKET CENTER AT HAYMARKET	NR	2.59	38.8168	-77.6440
6305	CBMP	U	10/14/2025	C	ADS WATER QUALITY UNIT	Y	PL48	Occoquan River-Belmont Bay	RIVERGATE NORTH	R	6.67	38.6683	-77.2458
6306	CBMP	U	10/14/2025	C	ADS WATER QUALITY UNIT	Y	PL48	Occoquan River-Belmont Bay	RIVERGATE NORTH	R	1.67	38.6689	-77.2455
6307	CSWMP/BMP	U	10/14/2025	C	STORMTECH MC-3500 W/ ISOLATOR CHAMBER	Y	PL48	Occoquan River-Belmont Bay	RIVERGATE NORTH	R	7.83	38.6681	-77.2451
6308	CBMP	U	10/14/2025	C	ADS WATER QUALITY UNIT	Y	PL48	Occoquan River-Belmont Bay	RIVERGATE	R	2.04	38.6675	-77.2458
6309	CSWMP/BMP	U	10/14/2025	C	STORMTECH MC-3500 W/ 2 ISOLATOR CHAMBERS	Y	PL48	Occoquan River-Belmont Bay	RIVERGATE	R	2.04	38.6675	-77.2459
6310	CBMP	U	10/14/2025	C	6' DOWNSTREAM DEFENDER	Y	PL48	Occoquan River-Belmont Bay	RIVERGATE NORTH	R	0.84	38.6688	-77.2444
6311	CBMP	U	10/14/2025	C	6'x6' FILTERRA	Y	PL48	Occoquan River-Belmont Bay	RIVERGATE NORTH	R	0.22	38.6690	-77.2443
6312	CBMP	U	10/14/2025	C	6'x4' FILTERRA	Y	PL48	Occoquan River-Belmont Bay	RIVERGATE NORTH	R	0.11	38.6688	-77.2443
6313	CBMP	U	10/14/2025	C	6'x4' FILTERRA	Y	PL48	Occoquan River-Belmont Bay	RIVERGATE NORTH	R	0.13	38.6686	-77.2440
6314	CSWMP/BMP	U	11/14/2025	C	STORMTECH MC-4500 W/ 3 ISOLATOR CHAMBERS	Y	PL52	Quantico Creek	QUANTICO CENTRE	NR	4.76	38.5845	-77.3327
6315	CSWMP/BMP	U	1/14/2026	C	STORMTECH SC-740 W/ ISOLATOR CHAMBER	Y	PL40	Cedar Run-Slate Run	12905 FITZWATER DRIVE	NR	0.49	38.6979	-77.5790
6316	CSWMP/BMP	W	1/15/2026	C	PWSE=29.16', 12'x8' RISER	Y	PL51	Powells Creek	EAGLES POINTE EAST LANDBAY C SECTION 1	R	61.90	38.5977	-77.2985
6317	CSWMP/BMP	U	2/2/2026	C	STORMTECH MC-3500 W/ 3 ISOLATOR CHAMBERS	Y	PL34	Broad Run-Rocky Branch	MANASSAS LOGISTICS CENTER	NR	4.85	38.7339	-77.5359
6318	CSWMP/BMP	U	2/2/2026	C	STORMTECH SC-740 W/ 14 ISOLATOR CHAMBERS	Y	PL34	Broad Run-Rocky Branch	MANASSAS LOGISTICS CENTER	NR	8.43	38.7350	-77.5364
6319	CSWMP/BMP	U	2/2/2026	C	STORMTECH MC-3500 W/ 4 ISOLATOR CHAMBERS	Y	PL34	Broad Run-Rocky Branch	MANASSAS LOGISTICS CENTER	NR	5.07	38.7358	-77.5375
6320	CSWMP/BMP	U	2/11/2026	C	STORMTECH SC-310 W/ 2 ISOLATOR CHAMBERS	Y	PL47	Occoquan River-Occoquan Reservoir	JNBS HOLDINGS	NR	0.34	38.6761	-77.3471
6321	CBMP	U	2/16/2026	C	8'x4' FILTERRA	N	PL44	Middle Bull Run	McDONALD'S REMODEL - SUDLEY ROAD	NR	0.30	38.7778	-77.5053
6322	CSWMP/BMP	D	2/26/2026	C	WEIR SERVES AS CONTROL STRUCTURE	Y	PL47	Occoquan River-Occoquan Reservoir	THE SENATE GOLF CLUB FINAL GOLF/SWM PLAN	NR	37.70	38.7016	-77.3471
6323	CSWMP/BMP	D	2/26/2026	C	1" BMP ORIFICE AT EW	Y	PL47	Occoquan River-Occoquan Reservoir	THE SENATE GOLF CLUB FINAL GOLF/SWM PLAN	NR	12.40	38.6965	-77.3492

6324	CSWMP/BMP	D	2/26/2026	C	2.5" BMP ORIFICE AT EW	Y	PL47	Occoquan River-Occoquan Reservoir	THE SENATE GOLF CLUB FINAL GOLF/SWM PLAN	NR	29.00	38.6956	-77.3477
6325	CSWMP/BMP	D	2/26/2026	C	1" BMP ORIFICE AT EW	Y	PL47	Occoquan River-Occoquan Reservoir	THE SENATE GOLF CLUB FINAL GOLF/SWM PLAN	NR	5.80	38.6953	-77.3456
6326	CSWMP/BMP	D	2/26/2026	C	WEIR SERVES AS CONTROL STRUCTURE	Y	PL47	Occoquan River-Occoquan Reservoir	THE SENATE GOLF CLUB FINAL GOLF/SWM PLAN	NR	30.00	38.6965	-77.3427
6327	CSWMP/BMP	W	2/26/2026	C	PWSE=202.81', 4'x4' RISER	Y	PL47	Occoquan River-Occoquan Reservoir	THE SENATE GOLF CLUB FINAL GOLF/SWM PLAN	NR	22.20	38.6979	-77.3400
6328	CSWMP/BMP	D	2/26/2026	C	1" BMP ORIFICE AT EW	Y	PL47	Occoquan River-Occoquan Reservoir	THE SENATE GOLF CLUB FINAL GOLF/SWM PLAN	NR	11.70	38.6958	-77.3397
6329	CSWMP/BMP	D	2/26/2026	C	3" BMP ORIFICE AT EW	Y	PL47	Occoquan River-Occoquan Reservoir	THE SENATE GOLF CLUB FINAL GOLF/SWM PLAN	NR	47.40	38.6944	-77.3433
6330	CSWMP/BMP	W	2/26/2026	C	PWSE=225.77', 6'x6' RISER, ROAD IS BERM	Y	PL47	Occoquan River-Occoquan Reservoir	THE SENATE GOLF CLUB FINAL GOLF/SWM PLAN	NR	83.00	38.6921	-77.3461
6331	CBMP	U	3/11/2026	C	CONTECH CDS2020-5-C, BLANKET ESMT	Y	PL49	Neabsco Creek	HOME 2 SUITES HOTEL	NR	1.13	38.6490	-77.2888
6332	CBMP	U	3/11/2026	C	STORMFILTER W/ HIGH FLOW BYPASS, BLANKET ESMT	Y	PL49	Neabsco Creek	HOME 2 SUITES HOTEL	NR	1.13	38.6491	-77.2887
6333	CSWMP/BMP	U	3/11/2026	C	2 CMP CHAMBERS W/ 2 MANIFOLDS, BLANKET ESMT	Y	PL49	Neabsco Creek	HOME 2 SUITES HOTEL	NR	1.13	38.6491	-77.2889
6334	CBMP	U	3/11/2026	C	CONTECH CDS2020-5-C, BLANKET ESMT	Y	PL49	Neabsco Creek	HOME 2 SUITES HOTEL	NR	1.15	38.6488	-77.2895
6335	CBMP	U	3/11/2026	C	STORMFILTER W/ HIGH FLOW BYPASS, BLANKET ESMT	Y	PL49	Neabsco Creek	HOME 2 SUITES HOTEL	NR	1.15	38.6488	-77.2894
6336	CSWMP/BMP	U	3/11/2026	C	CMP CHAMBER, BLANKET ESMT	Y	PL49	Neabsco Creek	HOME 2 SUITES HOTEL	NR	1.15	38.6487	-77.2891
6337	CSWMP/BMP	U	4/6/2026	C	STORMTECH SC-740 W/ 4 ISOLATOR CHAMBERS	Y	PL34	Broad Run-Rocky Branch	BROAD RUN INDUSTRIAL PARK LOT 1-B	NR	3.43	38.7540	-77.5409
6338	CSWMP/BMP	U	4/6/2026	C	STORMTECH SC-740 W/ ISOLATOR CHAMBER	Y	PL34	Broad Run-Rocky Branch	BROAD RUN INDUSTRIAL PARK LOT 1-C	NR	1.54	38.7535	-77.5402
6339	CSWMP/BMP	U	4/14/2026	C	STORMTECH SC-740 W/ 5 ISOLATOR CHAMBERS	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	6.74	38.7956	-77.5924
6340	CBMP	U	4/14/2026	C	BAYFILTER VAULT	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	6.74	38.7957	-77.5921
6341	CBMP	U	4/14/2026	C	BAYFILTER VAULT	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	0.37	38.7953	-77.5927
6342	CBMP	U	4/14/2026	C	BAYFILTER VAULT	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	0.37	38.7949	-77.5928
6343	CBMP	U	4/14/2026	C	BAYFILTER VAULT W/ FLEXSTORM INLET FILTER	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	0.88	38.7948	-77.5936
6344	CBMP	U	4/14/2026	C	BAYFILTER VAULT W/ FLEXSTORM INLET FILTER	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	0.42	38.7950	-77.5942
6345	CBMP	O	4/14/2026	C	PERMEABLE PAVEMENT W/ 6" UNDERDRAIN	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	0.09	38.7950	-77.5934
6346	CBMP	O	4/14/2026	C	PERMEABLE PAVEMENT W/ 6" UNDERDRAIN	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	0.34	38.7960	-77.5933
6347	CBMP	O	4/14/2026	C	PERMEABLE PAVEMENT W/ 6" UNDERDRAIN	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	0.18	38.7947	-77.5926
6348	CBMP	B	4/14/2026	C	BIORETENTION AREA	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	0.80	38.7957	-77.5937
6349	CBMP	B	4/14/2026	C	BIORETENTION AREA	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	1.89	38.7962	-77.5921
6350	CBMP	B	4/14/2026	C	BIORETENTION AREA	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	2.07	38.7968	-77.5918
6351	CBMP	B	4/14/2026	C	BIORETENTION AREA	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	2.20	38.7974	-77.5918
6352	CBMP	B	4/14/2026	C	BIORETENTION AREA	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	0.91	38.7978	-77.5920
6353	CSWMP/BMP	D	4/14/2026	C	3.5" BMP ORIFICE AT EW, 6" DRAWDOWN PIPE	Y	PL34	Broad Run-Rocky Branch	SUPERIOR PAVING CORPORATION	NR	11.01	38.7977	-77.5916
6354	CBMP	B	4/28/2026	C	BIORETENTION AREA	Y	PL52	Quantico Creek	BRADYS HILL	R	0.59	38.5505	-77.3306
6355	CSWMP/BMP	U	4/28/2026	C	STORMTECH SC-310 W/ ISOLATOR CHAMBER	Y	PL52	Quantico Creek	BRADYS HILL	R	0.13	38.5511	-77.3304
6356	CSWMP/BMP	U	4/28/2026	C	STORMTECH MC-3500 W/ ISOLATOR CHAMBER	Y	PL52	Quantico Creek	BRADYS HILL	R	2.09	38.5523	-77.3300
6357	CSWMP/BMP	U	5/5/2026	C	STORMTECH MC-3500 W/ 2 ISOLATOR CHAMBERS	Y	PL41	Occoquan River-Lake Jackson	IMMANUEL ANGLICAN CHURCH	NR	4.02	38.6609	-77.4209
6358	CBMP	U	5/5/2026	C	BAYFILTER VAULT (522 BAYFILTER)	Y	PL41	Occoquan River-Lake Jackson	IMMANUEL ANGLICAN CHURCH	NR	4.02	38.6609	-77.4211
6359	CBMP	O	5/5/2026	C	GRASSED SWALE	Y	PL41	Occoquan River-Lake Jackson	IMMANUEL ANGLICAN CHURCH	NR	6.16	38.6617	-77.4211
6360	CSWMP/BMP	U	5/12/2026	C	STORMTECH SC-740 W/ 3 ISOLATOR CHAMBERS	Y	PL34	Broad Run-Rocky Branch	RANDOLPH INDUSTRIAL PARK	NR	3.23	38.7941	-77.5735
6361	CSWMP/BMP	U	5/12/2026	C	STORMTECH SC-740 W/ ISOLATOR CHAMBER	Y	PL44	Middle Bull Run	RANDOLPH INDUSTRIAL PARK	NR	0.80	38.7951	-77.5736
6362	CSWMP/BMP	W	5/18/2026	C	PWSE=274.0', WEIR SERVES AS CONTROL STRUCTURE	Y	PL34	Broad Run-Rocky Branch	ARC REDEVELOPMENT LEVEL 2 WET POND	NR	581.41	38.7871	-77.5803
6363	CBMP	B	5/28/2026	C	BIORETENTION AREA	Y	PL34	Broad Run-Rocky Branch	BENEDICTINE SIS OF VA REPLACEMENT MONASTERY	NR	0.56	38.7524	-77.5622
6364	CBMP	B	5/28/2026	C	BIORETENTION AREA, HIGH FLOW BYPASS PIPE	Y	PL34	Broad Run-Rocky Branch	BENEDICTINE SIS OF VA REPLACEMENT MONASTERY	NR	1.05	38.7531	-77.5624
6365	CSWMP	D	5/28/2026	C	4'x4' RISER, 1" BMP ORIFICE AT RISER	Y	PL34	Broad Run-Rocky Branch	BENEDICTINE SIS OF VA REPLACEMENT MONASTERY	NR	2.41	38.7533	-77.5625
6366	CBMP	B	5/28/2026	C	BIORETENTION AREA	Y	PL34	Broad Run-Rocky Branch	BENEDICTINE SIS OF VA REPLACEMENT MONASTERY	NR	2.56	38.7516	-77.5628
6367	CSWMP	D	5/28/2026	C	4'x4' RISER, 2" BMP ORIFICE AT RISER	Y	PL34	Broad Run-Rocky Branch	BENEDICTINE SIS OF VA REPLACEMENT MONASTERY	NR	2.84	38.7515	-77.5630
6368	CBMP	O	5/28/2026	C	GRASS PAVERS W/ 6" UNDERDRAIN	N	PL34	Broad Run-Rocky Branch	BENEDICTINE SIS OF VA REPLACEMENT MONASTERY	NR	0.10	38.7530	-77.5624
6369	CBMP	O	5/28/2026	C	GRASS PAVERS W/ 6" UNDERDRAIN	N	PL34	Broad Run-Rocky Branch	BENEDICTINE SIS OF VA REPLACEMENT MONASTERY	NR	0.07	38.7521	-77.5622
6370	CBMP	O	5/28/2026	C	PERMEABLE PAVEMENT W/ 6" UNDERDRAIN	N	PL34	Broad Run-Rocky Branch	BENEDICTINE SIS OF VA REPLACEMENT MONASTERY	NR	0.10	38.7527	-77.5631
6371	CSWMP/BMP	W	6/9/2026	C	PWSE=186.36', 1.5" BMP ORIFICE AT RISER	Y	PL52	Quantico Creek	COPPER MILL ESTATES	R	17.39	38.5866	-77.3308
6372	CBMP	B	6/11/2026	C	BIORETENTION AREA, ESMT HOLDER TO MAINTAIN	Y	PL47	Occoquan River-Occoquan Reservoir	DOMINION ELM FARM SUBSTATION	NR	1.08	38.6604	-77.3284
6373	CBMP	B	6/16/2026	C	BIORETENTION AREA	Y	PL44	Middle Bull Run	PARKWAY 66	NR	2.37	38.7944	-77.5615

6374	CBMP	U	6/16/2026	C	BAYSAVER BARRACUDA	Y	PL44	Middle Bull Run	PARKWAY 66	NR	8.02	38.7936	-77.5595
6375	CBMP	B	6/16/2026	C	BIORETENTION AREA	Y	PL44	Middle Bull Run	PARKWAY 66	NR	8.02	38.7934	-77.5598
6376	CSWMP/BMP	U	6/16/2026	C	STORMTECH MC-4500 W/ 4 ISOLATOR CHAMBERS	Y	PL44	Middle Bull Run	PARKWAY 66	NR	8.02	38.7934	-77.5597
6377	CSWMP/BMP	D	6/29/2026	C	4'x4' RISER, 4" BMP ORIFICE AT RISER	Y	PL44	Middle Bull Run	MERRITT I-66 BUSINESS PARK	NR	37.80	38.7983	-77.5520

Appendix O

County-Maintained SWM Facility

Inspection Summary

County Maintained SWM/BMP - Compliance Report FY26

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
1	521	7/2/2025	Complaint Based	No	Maintenance is needed (County)	No	Yes
4	1084	7/9/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
6	1082	7/9/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
2	1085	7/9/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
3	1083	7/9/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
5	1081	7/9/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
7	1094	7/9/2025	Routine	Yes	No maintenance needed at this time.	No	No
8	1087	7/10/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
9	1088	7/10/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
10	1042	7/10/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
11	154	7/11/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
12	157	7/11/2025	Routine	Yes	No maintenance needed at this time.	No	No
18	144	7/16/2025	Routine	No	Maintenance is needed (County)	No	Yes
17	405	7/16/2025	Routine	No	Maintenance is needed (County)	No	Yes
13	189	7/16/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
14	1005	7/16/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
15	916	7/16/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
16	214	7/16/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
19	410	7/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
20	454	7/22/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
21	269	7/22/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
25	564	7/23/2025	Routine	No	Maintenance is needed (County)	No	Yes
26	551	7/23/2025	Routine	No	Maintenance is needed (County)	No	Yes
22	970	7/23/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
23	988	7/23/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
24	938	7/23/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
27	563	7/23/2025	Routine	Yes	No maintenance needed at this time.	No	No
28	553	7/23/2025	Routine	Yes	No maintenance needed at this time.	No	No
29	552	7/23/2025	Routine	Yes	No maintenance needed at this time.	No	No
30	558	7/23/2025	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
31	590	7/23/2025	Routine	Yes	No maintenance needed at this time.	No	No
32	1069	7/29/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
33	1068	7/29/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
34	1071	7/29/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
35	151	7/29/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
36	98	7/29/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
37	1070	7/29/2025	Routine	Yes	No maintenance needed at this time.	No	No
44	1061	7/30/2025	Routine	No	Maintenance is needed (County)	No	Yes
45	1063	7/30/2025	Routine	No	Maintenance is needed (County)	No	Yes
38	879	7/30/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
39	107	7/30/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
40	562	7/30/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
43	1062	7/30/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
41	903	7/30/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
42	902	7/30/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
46	901	7/30/2025	Routine	Yes	No maintenance needed at this time.	No	No
47	973	7/30/2025	Routine	Yes	No maintenance needed at this time.	No	No
48	974	7/30/2025	Routine	Yes	No maintenance needed at this time.	No	No
49	975	7/30/2025	Routine	Yes	No maintenance needed at this time.	No	No
50	1012	7/30/2025	Routine	Yes	No maintenance needed at this time.	No	No
51	1037	7/30/2025	Routine	Yes	No maintenance needed at this time.	No	No
60	343	7/31/2025	Routine	No	Maintenance is needed (County)	No	Yes
52	270	7/31/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
53	528	7/31/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
54	910	7/31/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
55	884	7/31/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
56	1050	7/31/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
57	795	7/31/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
58	669	7/31/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
59	996	7/31/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
61	823	7/31/2025	Routine	Yes	No maintenance needed at this time.	No	No
62	858	7/31/2025	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
63	859	7/31/2025	Routine	Yes	No maintenance needed at this time.	No	No
64	652	7/31/2025	Routine	Yes	No maintenance needed at this time.	No	No
65	850	8/1/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
66	613	8/1/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
67	911	8/1/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
68	912	8/1/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
69	1048	8/1/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
70	470	8/1/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
71	954	8/1/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
72	1079	8/4/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
73	1080	8/4/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
74	1093	8/5/2025	Routine	Yes	No maintenance needed at this time.	No	No
75	559	8/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
76	340	8/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
77	336	8/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
78	339	8/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
79	338	8/6/2025	Routine	Yes	No maintenance needed at this time.	No	No
81	887	8/12/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
80	906	8/12/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
82	909	8/12/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
83	908	8/12/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
84	907	8/12/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
85	158	8/13/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
86	1006	8/14/2025	Routine	Yes	No maintenance needed at this time.	No	No
87	955	8/14/2025	Routine	Yes	No maintenance needed at this time.	No	No
88	318	8/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
89	505	8/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
90	894	8/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
91	837	8/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
92	532	8/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
93	533	8/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
94	217	8/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
95	216	8/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
96	424	8/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
97	377	8/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
98	271	8/19/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
99	891	8/19/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
100	890	8/19/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
101	864	8/19/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
102	789	8/19/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
103	922	8/19/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
104	668	8/21/2025	Complaint Based	No	Maintenance is needed (County/Owner)	Yes	Yes
105	685	8/27/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
106	853	9/2/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
107	854	9/2/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
108	972	9/2/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
115	1002	9/3/2025	Routine	No	Maintenance is needed (County)	No	Yes
114	1001	9/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
109	543	9/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
110	235	9/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
111	232	9/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
112	390	9/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
113	535	9/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
116	692	9/3/2025	Routine	Yes	No maintenance needed at this time.	No	No
117	971	9/5/2025	Routine	No	Maintenance is needed (County)	No	Yes
118	1053	9/5/2025	Routine	No	Maintenance is needed (County)	No	Yes
119	808	9/9/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
120	218	9/9/2025	Routine	Yes	No maintenance needed at this time.	No	No
121	788	9/10/2025	Routine	Yes	No maintenance needed at this time.	No	No
122	852	9/10/2025	Routine	Yes	No maintenance needed at this time.	No	No
123	871	9/11/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
126	455	9/11/2025	Routine	Yes	No maintenance needed at this time.	No	No
127	805	9/11/2025	Routine	Yes	No maintenance needed at this time.	No	No
128	874	9/11/2025	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
129	882	9/11/2025	Routine	Yes	No maintenance needed at this time.	No	No
130	881	9/11/2025	Routine	Yes	No maintenance needed at this time.	No	No
124	873	9/11/2025	Routine	Yes	No maintenance needed at this time.	No	No
125	872	9/11/2025	Routine	Yes	No maintenance needed at this time.	No	No
131	617	9/12/2025	Routine	Yes	No maintenance needed at this time.	No	No
132	868	9/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
133	866	9/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
134	867	9/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
135	297	9/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
136	953	9/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
137	920	9/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
138	908	9/17/2025	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
139	909	9/17/2025	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
140	520	9/17/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
141	836	9/17/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
142	662	9/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
144	317	9/18/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
143	691	9/18/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
145	1069	9/19/2025	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
146	1071	9/19/2025	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
147	1068	9/19/2025	60-day reinspection	Yes	No maintenance needed at this time.	No	No
148	71	9/23/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
149	73	9/23/2025	Routine	Yes	No maintenance needed at this time.	No	No
150	794	9/23/2025	Routine	Yes	No maintenance needed at this time.	No	No
151	798	9/24/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
152	104	9/24/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
153	1031	9/26/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
154	1025	9/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
155	1022	9/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
156	1023	9/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
157	1024	9/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
158	1024	9/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
159	1024	9/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
160	1032	9/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
161	1032	9/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
162	1033	9/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
163	1021	9/26/2025	Routine	Yes	No maintenance needed at this time.	No	No
165	1030	9/26/2025	Routine	Yes	No maintenance needed at this time.	No	No
166	1029	9/26/2025	Routine	Yes	No maintenance needed at this time.	No	No
164	1034	9/26/2025	Routine	Yes	No maintenance needed at this time.	No	No
167	294	9/29/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
168	5823	9/29/2025	Routine	Yes	No maintenance needed at this time.	No	No
169	293	9/29/2025	Routine	Yes	No maintenance needed at this time.	No	No
170	300	9/29/2025	Routine	Yes	No maintenance needed at this time.	No	No
171	1038	9/29/2025	Routine	Yes	No maintenance needed at this time.	No	No
172	911	9/30/2025	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
173	912	9/30/2025	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
175	313	10/2/2025	Routine	No	Maintenance is needed (County)	No	Yes
174	439	10/2/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
176	962	10/2/2025	Routine	Yes	No maintenance needed at this time.	No	No
180	793	10/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
177	143	10/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
178	142	10/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
179	141	10/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
181	147	10/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
182	207	10/7/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
183	208	10/7/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
184	459	10/8/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
185	458	10/8/2025	Routine	Yes	No maintenance needed at this time.	No	No
189	871	10/9/2025	Routine	No	Maintenance is needed (County)	No	Yes
186	5929	10/9/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
187	5935	10/9/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
188	426	10/9/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
190	284	10/10/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
191	899	10/10/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
192	898	10/10/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
193	5877	10/13/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
194	809	10/13/2025	Routine	Yes	No maintenance needed at this time.	No	No
195	286	10/13/2025	Routine	Yes	No maintenance needed at this time.	No	No
196	6046	10/14/2025	Routine	No	Maintenance is needed (County)	No	Yes
197	527	10/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
198	905	10/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
199	904	10/15/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
200	295	10/15/2025	Routine	Yes	No maintenance needed at this time.	No	No
205	814	10/16/2025	Routine	No	Maintenance is needed (County)	No	Yes
206	1072	10/16/2025	Routine	No	Maintenance is needed (County)	No	Yes
201	895	10/16/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
202	113	10/16/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
203	298	10/16/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
204	5017	10/16/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
207	30	10/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
208	815	10/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
209	49	10/17/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
210	186	10/17/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
211	6229	10/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
212	6227	10/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
213	6228	10/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
214	5036	10/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
222	1052	10/20/2025	Routine	No	Maintenance is needed (County)	No	Yes
221	796	10/20/2025	Routine	No	Maintenance is needed (County)	No	Yes
215	445	10/20/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
216	984	10/20/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
217	981	10/20/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
218	982	10/20/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
219	985	10/20/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
220	983	10/20/2025	Routine	No	Maintenance is needed (Owner)	Yes	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
223	5035	10/20/2025	Routine	Yes	No maintenance needed at this time.	No	No
224	305	10/20/2025	Routine	Yes	No maintenance needed at this time.	No	No
225	306	10/20/2025	Routine	Yes	No maintenance needed at this time.	No	No
226	299	10/20/2025	Routine	Yes	No maintenance needed at this time.	No	No
227	155	10/21/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
228	171	10/21/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
229	170	10/21/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
230	146	10/21/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
231	993	10/21/2025	Routine	Yes	No maintenance needed at this time.	No	No
232	992	10/21/2025	Routine	Yes	No maintenance needed at this time.	No	No
233	1098	10/22/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
234	1099	10/22/2025	Routine	Yes	No maintenance needed at this time.	No	No
235	238	10/23/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
236	387	10/23/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
237	379	10/23/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
238	388	10/23/2025	Routine	Yes	No maintenance needed at this time.	No	No
239	389	10/23/2025	Routine	Yes	No maintenance needed at this time.	No	No
240	607	10/27/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
241	606	10/27/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
242	883	10/27/2025	Routine	Yes	No maintenance needed at this time.	No	No
243	417	10/28/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
245	1045	10/28/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
246	1046	10/28/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
244	1051	10/28/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
247	616	10/28/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
248	1043	10/28/2025	Routine	Yes	No maintenance needed at this time.	No	No
249	1044	10/28/2025	Routine	Yes	No maintenance needed at this time.	No	No
250	892	10/28/2025	Routine	Yes	No maintenance needed at this time.	No	No
251	939	10/28/2025	Routine	Yes	No maintenance needed at this time.	No	No
257	121	10/29/2025	Routine	No	Maintenance is needed (County)	No	Yes
252	471	10/29/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
253	233	10/29/2025	Routine	No	Maintenance is needed (Owner)	Yes	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
255	627	10/29/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
254	957	10/29/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
256	314	10/29/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
258	690	10/29/2025	Routine	Yes	No maintenance needed at this time.	No	No
259	987	10/29/2025	Routine	Yes	No maintenance needed at this time.	No	No
260	178	10/29/2025	Routine	Yes	No maintenance needed at this time.	No	No
261	179	10/29/2025	Routine	Yes	No maintenance needed at this time.	No	No
262	642	10/29/2025	Routine	Yes	No maintenance needed at this time.	No	No
264	223	10/31/2025	Routine	No	Maintenance is needed (County)	No	Yes
263	224	10/31/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
265	246	10/31/2025	Routine	Yes	No maintenance needed at this time.	No	No
266	245	10/31/2025	Routine	Yes	No maintenance needed at this time.	No	No
267	277	10/31/2025	Routine	Yes	No maintenance needed at this time.	No	No
268	169	10/31/2025	Routine	Yes	No maintenance needed at this time.	No	No
269	225	11/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
270	220	11/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
271	90	11/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
272	182	11/3/2025	Routine	Yes	No maintenance needed at this time.	No	No
273	183	11/3/2025	Routine	Yes	No maintenance needed at this time.	No	No
274	524	11/3/2025	Routine	Yes	No maintenance needed at this time.	No	No
275	519	11/4/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
276	327	11/4/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
277	199	11/4/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
278	1003	11/5/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
279	84	11/5/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
280	446	11/5/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
281	5749	11/5/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
282	5337	11/5/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
285	85	11/5/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
283	554	11/5/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
284	477	11/5/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
286	72	11/5/2025	Routine	No	Maintenance is needed (Owner)	Yes	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
287	278	11/5/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
288	819	11/5/2025	Routine	Yes	No maintenance needed at this time.	No	No
289	237	11/5/2025	Routine	Yes	No maintenance needed at this time.	No	No
290	5154	11/5/2025	Routine	Yes	No maintenance needed at this time.	No	No
302	653	11/6/2025	Routine	No	Maintenance is needed (County)	No	Yes
291	541	11/6/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
292	45	11/6/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
293	167	11/6/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
294	457	11/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
295	465	11/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
296	385	11/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
297	200	11/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
298	201	11/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
299	163	11/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
300	5126	11/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
301	92	11/6/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
303	122	11/6/2025	Routine	Yes	No maintenance needed at this time.	No	No
304	481	11/6/2025	Routine	Yes	No maintenance needed at this time.	No	No
305	384	11/6/2025	Routine	Yes	No maintenance needed at this time.	No	No
306	337	11/6/2025	Routine	Yes	No maintenance needed at this time.	No	No
307	383	11/6/2025	Routine	Yes	No maintenance needed at this time.	No	No
308	694	11/6/2025	Routine	Yes	No maintenance needed at this time.	No	No
314	932	11/7/2025	Routine	No	Maintenance is needed (County)	No	Yes
315	931	11/7/2025	Routine	No	Maintenance is needed (County)	No	Yes
316	168	11/7/2025	Routine	No	Maintenance is needed (County)	No	Yes
309	1092	11/7/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
310	440	11/7/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
311	851	11/7/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
312	896	11/7/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
313	54	11/7/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
317	569	11/7/2025	Routine	Yes	No maintenance needed at this time.	No	No
318	441	11/7/2025	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
319	813	11/7/2025	Routine	Yes	No maintenance needed at this time.	No	No
320	421	11/7/2025	Routine	Yes	No maintenance needed at this time.	No	No
321	198	11/12/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
322	897	11/12/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
323	352	11/12/2025	Routine	Yes	No maintenance needed at this time.	No	No
324	353	11/12/2025	Routine	Yes	No maintenance needed at this time.	No	No
325	29	11/13/2025	Routine	No	Maintenance is needed (County)	No	Yes
326	934	11/13/2025	Routine	Yes	No maintenance needed at this time.	No	No
327	489	11/13/2025	Routine	Yes	No maintenance needed at this time.	No	No
328	19	11/14/2025	Routine	Yes	No maintenance needed at this time.	No	No
329	1019	11/14/2025	Routine	Yes	No maintenance needed at this time.	No	No
330	822	11/18/2025	Routine	Yes	No maintenance needed at this time.	No	No
331	821	11/18/2025	Routine	Yes	No maintenance needed at this time.	No	No
332	820	11/18/2025	Routine	Yes	No maintenance needed at this time.	No	No
333	853	11/19/2025	60-day reinspection	No	Maintenance is needed (County/Owner)	Yes	Yes
334	854	11/19/2025	60-day reinspection	No	Maintenance is needed (County/Owner)	Yes	Yes
335	570	11/19/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
336	587	11/19/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
337	839	11/19/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
338	368	11/19/2025	Routine	Yes	No maintenance needed at this time.	No	No
339	998	11/19/2025	Routine	Yes	No maintenance needed at this time.	No	No
340	70	11/20/2025	Routine	No	Maintenance is needed (County)	No	Yes
341	547	11/20/2025	Routine	Yes	No maintenance needed at this time.	No	No
342	1095	11/24/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
343	1096	11/24/2025	Routine	Yes	No maintenance needed at this time.	No	No
344	1097	11/24/2025	Routine	Yes	No maintenance needed at this time.	No	No
345	1100	11/25/2025	Routine	Yes	No maintenance needed at this time.	No	No
346	877	11/25/2025	Routine	Yes	No maintenance needed at this time.	No	No
347	990	11/25/2025	Routine	Yes	No maintenance needed at this time.	No	No
348	991	11/25/2025	Routine	Yes	No maintenance needed at this time.	No	No
349	999	11/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
350	610	11/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
351	889	11/26/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
352	1000	11/26/2025	Routine	Yes	No maintenance needed at this time.	No	No
353	989	11/26/2025	Routine	Yes	No maintenance needed at this time.	No	No
354	1054	12/1/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
355	1056	12/1/2025	Routine	Yes	No maintenance needed at this time.	No	No
356	1055	12/1/2025	Routine	Yes	No maintenance needed at this time.	No	No
357	846	12/3/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
358	878	12/3/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
359	950	12/5/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
362	814	12/8/2025	Complaint Based	No	Maintenance is needed (County)	No	Yes
360	628	12/8/2025	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
361	649	12/8/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
363	629	12/8/2025	Routine	Yes	No maintenance needed at this time.	No	No
364	650	12/8/2025	Routine	Yes	No maintenance needed at this time.	No	No
366	1060	12/10/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
365	654	12/10/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
367	584	12/10/2025	Routine	Yes	No maintenance needed at this time.	No	No
368	699	12/10/2025	Routine	Yes	No maintenance needed at this time.	No	No
369	655	12/16/2025	Routine	No	Maintenance is needed (County)	No	Yes
370	986	12/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
371	812	12/16/2025	Routine	Yes	No maintenance needed at this time.	No	No
374	571	12/17/2025	Routine	No	Maintenance is needed (County)	No	Yes
375	538	12/17/2025	Routine	No	Maintenance is needed (County)	No	Yes
372	556	12/17/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
373	557	12/17/2025	Routine	No	Maintenance is needed (Owner)	Yes	No
376	195	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
377	503	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
378	86	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
379	80	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
380	81	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
381	482	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
382	434	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
383	148	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
384	149	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
385	150	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
386	56	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
387	87	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
388	251	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
389	935	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
390	63	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
391	632	12/17/2025	Routine	Yes	No maintenance needed at this time.	No	No
392	53	12/18/2025	Routine	Yes	No maintenance needed at this time.	No	No
393	55	12/18/2025	Routine	Yes	No maintenance needed at this time.	No	No
394	414	12/18/2025	Routine	Yes	No maintenance needed at this time.	No	No
395	529	12/18/2025	Routine	Yes	No maintenance needed at this time.	No	No
396	89	12/18/2025	Routine	Yes	No maintenance needed at this time.	No	No
397	411	12/18/2025	Routine	Yes	No maintenance needed at this time.	No	No
398	6046	12/31/2025	Routine	No	Maintenance is needed (County)	No	Yes
399	6227	12/31/2025	Routine	Yes	No maintenance needed at this time.	No	No
400	6229	12/31/2025	Routine	Yes	No maintenance needed at this time.	No	No
401	6228	12/31/2025	Routine	Yes	No maintenance needed at this time.	No	No
404	427	1/2/2026	Routine	No	Maintenance is needed (County)	No	Yes
405	131	1/2/2026	Routine	No	Maintenance is needed (County)	No	Yes
406	130	1/2/2026	Routine	No	Maintenance is needed (County)	No	Yes
403	598	1/2/2026	Routine	No	Maintenance is needed (County)	No	Yes
402	156	1/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
412	453	1/6/2026	Routine	No	Maintenance is needed (County)	No	Yes
410	575	1/6/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
407	59	1/6/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
408	452	1/6/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
409	507	1/6/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
411	123	1/6/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
413	531	1/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
414	128	1/6/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
415	1004	1/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
416	506	1/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
417	870	1/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
418	513	1/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
419	817	1/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
420	124	1/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
421	816	1/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
422	328	1/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
423	560	1/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
424	561	1/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
425	684	1/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
426	971	1/8/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
427	4	1/8/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
428	3	1/8/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
430	599	1/8/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
429	74	1/8/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
431	2	1/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
432	50	1/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
433	335	1/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
434	593	1/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
435	161	1/9/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
436	478	1/9/2026	Routine	Yes	No maintenance needed at this time.	No	No
437	145	1/9/2026	Routine	Yes	No maintenance needed at this time.	No	No
438	438	1/12/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
439	256	1/12/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
441	292	1/12/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
440	290	1/12/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
442	396	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
444	288	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
445	289	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
446	291	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
447	437	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
448	254	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
449	255	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
450	549	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
451	187	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
452	550	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
453	518	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
454	488	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
443	397	1/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
455	512	1/13/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
456	810	1/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
457	483	1/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
458	511	1/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
459	68	1/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
460	510	1/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
461	516	1/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
467	37	1/14/2026	Routine	No	Maintenance is needed (County)	No	Yes
468	502	1/14/2026	Routine	No	Maintenance is needed (County)	No	Yes
462	603	1/14/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
464	906	1/14/2026	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
465	907	1/14/2026	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
463	604	1/14/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
466	804	1/14/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
469	515	1/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
470	514	1/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
471	585	1/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
472	36	1/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
473	350	1/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
474	634	1/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
475	635	1/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
477	5	1/16/2026	Routine	No	Maintenance is needed (County)	No	Yes
476	647	1/16/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
478	6	1/16/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
479	23	1/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
480	94	1/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
481	1106	1/20/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
482	430	1/21/2026	Routine	Yes	No maintenance needed at this time.	No	No
483	188	1/21/2026	Routine	Yes	No maintenance needed at this time.	No	No
486	120	1/22/2026	Routine	No	Maintenance is needed (County)	No	Yes
487	136	1/22/2026	Routine	No	Maintenance is needed (County)	No	Yes
488	139	1/22/2026	Routine	No	Maintenance is needed (County)	No	Yes
484	630	1/22/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
485	565	1/22/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
489	119	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
490	227	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
491	226	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
492	228	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
493	117	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
494	116	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
495	115	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
496	118	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
497	137	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
498	138	1/22/2026	60-day reinspection	Yes	No maintenance needed at this time.	No	No
499	135	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
500	140	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
501	495	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
502	500	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
503	499	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
504	497	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
505	498	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
506	496	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
507	358	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
508	631	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
509	79	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
510	361	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
511	360	1/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
512	10	1/23/2026	Routine	No	Maintenance is needed (County)	No	Yes
513	34	1/23/2026	Routine	No	Maintenance is needed (County)	No	Yes
514	32	1/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
515	33	1/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
516	31	1/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
517	633	2/18/2026	Routine	Yes	No maintenance needed at this time.	No	No
518	133	2/18/2026	Routine	Yes	No maintenance needed at this time.	No	No
519	577	2/19/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
520	490	2/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
521	451	2/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
522	579	2/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
523	578	2/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
526	576	2/20/2026	Routine	No	Maintenance is needed (County)	No	Yes
525	582	2/20/2026	Routine	No	Maintenance is needed (County)	No	Yes
524	919	2/20/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
527	566	2/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
528	936	2/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
529	918	2/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
530	917	2/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
531	926	2/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
532	925	2/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
533	964	2/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
534	965	2/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
535	880	2/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
536	927	2/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
537	112	2/24/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
539	95	2/24/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
538	296	2/24/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
540	508	2/24/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
541	509	2/24/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
542	398	2/24/2026	Routine	No	Maintenance is needed (Owner)	Yes	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
543	28	2/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
544	129	2/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
545	15	2/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
546	96	2/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
547	431	2/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
548	285	2/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
551	581	2/25/2026	Routine	No	Maintenance is needed (County)	No	Yes
552	863	2/25/2026	Routine	No	Maintenance is needed (County)	No	Yes
549	668	2/25/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
550	966	2/25/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
553	1107	2/25/2026	Routine	Yes	No maintenance needed at this time.	No	No
554	963	2/25/2026	Routine	Yes	No maintenance needed at this time.	No	No
555	1102	2/26/2026	Routine	Yes	No maintenance needed at this time.	No	No
556	1103	2/26/2026	Routine	Yes	No maintenance needed at this time.	No	No
557	1101	2/26/2026	Routine	Yes	No maintenance needed at this time.	No	No
558	1105	2/26/2026	Routine	Yes	No maintenance needed at this time.	No	No
559	1104	2/26/2026	Routine	Yes	No maintenance needed at this time.	No	No
560	75	2/26/2026	Routine	Yes	No maintenance needed at this time.	No	No
561	484	2/27/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
568	391	3/2/2026	Routine	No	Maintenance is needed (County)	No	Yes
569	213	3/2/2026	Routine	No	Maintenance is needed (County)	No	Yes
562	791	3/2/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
563	843	3/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
564	844	3/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
565	402	3/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
566	403	3/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
567	378	3/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
570	790	3/2/2026	Routine	Yes	No maintenance needed at this time.	No	No
571	392	3/2/2026	Routine	Yes	No maintenance needed at this time.	No	No
572	393	3/2/2026	Routine	Yes	No maintenance needed at this time.	No	No
573	212	3/2/2026	Routine	Yes	No maintenance needed at this time.	No	No
577	395	3/3/2026	Routine	No	Maintenance is needed (County)	No	Yes

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
578	366	3/3/2026	Routine	No	Maintenance is needed (County)	No	Yes
574	215	3/3/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
575	221	3/3/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
576	249	3/3/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
579	222	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
580	400	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
582	367	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
583	365	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
584	364	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
585	247	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
586	242	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
587	243	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
588	244	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
589	241	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
590	204	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
591	205	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
581	250	3/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
595	1108	3/4/2026	Routine	No	Maintenance is needed (County)	No	Yes
597	219	3/4/2026	Routine	No	Maintenance is needed (County)	No	Yes
596	323	3/4/2026	Routine	No	Maintenance is needed (County)	No	Yes
592	240	3/4/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
593	937	3/4/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
594	239	3/4/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
598	312	3/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
599	1020	3/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
600	324	3/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
601	1091	3/6/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
602	1090	3/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
603	661	3/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
604	248	3/9/2026	Routine	Yes	No maintenance needed at this time.	No	No
605	643	3/10/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
606	329	3/10/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
607	574	3/10/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
608	644	3/10/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
609	602	3/10/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
610	573	3/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
611	572	3/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
612	619	3/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
613	1009	3/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
628	625	3/11/2026	Routine	No	Maintenance is needed (County)	No	Yes
629	627	3/11/2026	Routine	No	Maintenance is needed (County)	No	Yes
614	172	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
615	824	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
616	835	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
617	845	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
618	834	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
619	825	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
620	826	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
621	827	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
622	828	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
623	829	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
624	831	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
625	833	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
626	830	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
627	530	3/11/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
630	5384	3/11/2026	Routine	Yes	No maintenance needed at this time.	No	No
631	473	3/11/2026	Routine	Yes	No maintenance needed at this time.	No	No
632	693	3/11/2026	Routine	Yes	No maintenance needed at this time.	No	No
633	832	3/11/2026	Routine	Yes	No maintenance needed at this time.	No	No
634	886	3/11/2026	Routine	Yes	No maintenance needed at this time.	No	No
635	640	3/11/2026	Routine	Yes	No maintenance needed at this time.	No	No
636	315	3/11/2026	Routine	Yes	No maintenance needed at this time.	No	No
637	588	3/11/2026	Routine	Yes	No maintenance needed at this time.	No	No
638	589	3/11/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
639	1089	3/12/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
641	40	3/13/2026	Routine	No	Maintenance is needed (County)	No	Yes
640	127	3/13/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
642	803	3/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
643	656	3/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
644	592	3/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
645	326	3/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
646	847	3/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
647	165	3/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
648	60	3/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
650	521	3/17/2026	Routine	No	Maintenance is needed (County)	No	Yes
649	660	3/17/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
651	594	3/17/2026	Routine	Yes	No maintenance needed at this time.	No	No
652	595	3/17/2026	Routine	Yes	No maintenance needed at this time.	No	No
653	596	3/17/2026	Routine	Yes	No maintenance needed at this time.	No	No
654	930	3/17/2026	Routine	Yes	No maintenance needed at this time.	No	No
655	206	3/17/2026	Routine	Yes	No maintenance needed at this time.	No	No
656	460	3/17/2026	Routine	Yes	No maintenance needed at this time.	No	No
657	236	3/17/2026	Routine	Yes	No maintenance needed at this time.	No	No
658	670	3/18/2026	Routine	No	Maintenance is needed (County)	No	Yes
659	279	3/18/2026	Routine	Yes	No maintenance needed at this time.	No	No
661	190	3/18/2026	Routine	Yes	No maintenance needed at this time.	No	No
662	191	3/18/2026	Routine	Yes	No maintenance needed at this time.	No	No
663	394	3/18/2026	Routine	Yes	No maintenance needed at this time.	No	No
664	667	3/18/2026	Routine	Yes	No maintenance needed at this time.	No	No
665	406	3/18/2026	Routine	Yes	No maintenance needed at this time.	No	No
660	259	3/18/2026	Routine	Yes	No maintenance needed at this time.	No	No
666	600	3/19/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
667	567	3/19/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
668	423	3/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
669	893	3/20/2026	Routine	No	Maintenance is needed (County)	No	Yes
670	66	3/20/2026	Routine	No	Maintenance is needed (County)	No	Yes

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
671	88	3/20/2026	Routine	No	Maintenance is needed (County)	No	Yes
672	1013	3/20/2026	Routine	No	Maintenance is needed (County)	No	Yes
673	698	3/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
674	27	3/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
679	272	3/23/2026	Routine	No	Maintenance is needed (County)	No	Yes
675	525	3/23/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
677	325	3/23/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
676	526	3/23/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
678	664	3/23/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
680	641	3/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
681	605	3/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
682	950	3/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
683	1014	3/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
684	869	3/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
689	818	3/24/2026	Routine	No	Maintenance is needed (County)	No	Yes
685	548	3/24/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
686	665	3/24/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
687	666	3/24/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
688	281	3/24/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
690	618	3/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
691	811	3/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
692	435	3/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
693	210	3/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
694	657	3/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
695	682	3/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
696	951	3/25/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
697	980	3/25/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
698	442	3/25/2026	Routine	Yes	No maintenance needed at this time.	No	No
699	921	3/25/2026	Routine	Yes	No maintenance needed at this time.	No	No
700	686	3/25/2026	Routine	Yes	No maintenance needed at this time.	No	No
701	888	3/25/2026	Routine	Yes	No maintenance needed at this time.	No	No
702	7	3/25/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
703	8	3/25/2026	Routine	Yes	No maintenance needed at this time.	No	No
704	43	3/25/2026	Routine	Yes	No maintenance needed at this time.	No	No
705	646	3/25/2026	Routine	Yes	No maintenance needed at this time.	No	No
709	203	3/26/2026	Routine	No	Maintenance is needed (County)	No	Yes
710	429	3/26/2026	Routine	No	Maintenance is needed (County)	No	Yes
706	1036	3/26/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
708	401	3/26/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
707	380	3/26/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
711	180	3/26/2026	Routine	Yes	No maintenance needed at this time.	No	No
712	280	3/27/2026	Routine	No	Maintenance is needed (County)	No	Yes
714	257	3/27/2026	Routine	Yes	No maintenance needed at this time.	No	No
713	811	3/27/2026	Routine	Yes	No maintenance needed at this time.	No	No
724	494	4/1/2026	Routine	No	Maintenance is needed (County)	No	Yes
725	493	4/1/2026	Routine	No	Maintenance is needed (County)	No	Yes
715	1027	4/1/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
722	620	4/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
716	192	4/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
717	1028	4/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
718	929	4/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
719	862	4/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
720	849	4/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
721	480	4/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
723	546	4/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
726	62	4/1/2026	Routine	Yes	No maintenance needed at this time.	No	No
727	865	4/1/2026	Routine	Yes	No maintenance needed at this time.	No	No
728	65	4/1/2026	Routine	Yes	No maintenance needed at this time.	No	No
729	696	4/1/2026	Routine	Yes	No maintenance needed at this time.	No	No
730	614	4/1/2026	Routine	Yes	No maintenance needed at this time.	No	No
731	615	4/1/2026	Routine	Yes	No maintenance needed at this time.	No	No
732	860	4/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
737	1073	4/6/2026	Routine	No	Maintenance is needed (County)	No	Yes
738	1067	4/6/2026	Routine	No	Maintenance is needed (County)	No	Yes

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
733	185	4/6/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
734	492	4/6/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
735	651	4/6/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
736	386	4/6/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
739	1049	4/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
740	695	4/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
749	202	4/7/2026	Routine	No	Maintenance is needed (County)	No	Yes
748	468	4/7/2026	Routine	No	Maintenance is needed (County)	No	Yes
741	39	4/7/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
742	995	4/7/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
743	197	4/7/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
744	1018	4/7/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
745	67	4/7/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
746	467	4/7/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
747	568	4/7/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
750	800	4/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
751	11	4/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
752	64	4/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
753	196	4/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
754	697	4/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
755	1017	4/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
756	456	4/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
757	22	4/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
758	469	4/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
763	616	4/8/2026	Routine	No	Maintenance is needed (County)	No	Yes
764	892	4/8/2026	Routine	No	Maintenance is needed (County)	No	Yes
759	601	4/8/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
760	1047	4/8/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
761	160	4/8/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
762	348	4/8/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
765	382	4/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
766	436	4/8/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
767	349	4/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
768	979	4/9/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
769	134	4/9/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
770	99	4/9/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
771	91	4/9/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
772	209	4/9/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
773	472	4/9/2026	Routine	Yes	No maintenance needed at this time.	No	No
774	61	4/9/2026	Routine	Yes	No maintenance needed at this time.	No	No
776	83	4/9/2026	Routine	Yes	No maintenance needed at this time.	No	No
777	82	4/9/2026	Routine	Yes	No maintenance needed at this time.	No	No
775	412	4/9/2026	Routine	Yes	No maintenance needed at this time.	No	No
778	175	4/10/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
779	174	4/10/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
780	114	4/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
781	97	4/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
782	264	4/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
783	100	4/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
784	173	4/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
785	534	4/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
786	176	4/10/2026	Routine	Yes	No maintenance needed at this time.	No	No
790	311	4/13/2026	Routine	No	Maintenance is needed (County)	No	Yes
787	976	4/13/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
788	105	4/13/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
789	838	4/13/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
791	69	4/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
792	103	4/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
793	443	4/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
794	330	4/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
795	103	4/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
796	792	4/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
801	106	4/14/2026	Routine	No	Maintenance is needed (County)	No	Yes
800	416	4/14/2026	Routine	No	Maintenance is needed (Owner)	Yes	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
797	1065	4/14/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
798	861	4/14/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
799	1064	4/14/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
802	1066	4/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
803	1058	4/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
811	101	4/15/2026	Routine	No	Maintenance is needed (County)	No	Yes
812	269	4/15/2026	Routine	No	Maintenance is needed (County)	No	Yes
805	487	4/15/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
806	485	4/15/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
804	586	4/15/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
807	486	4/15/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
808	968	4/15/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
809	958	4/15/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
810	959	4/15/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
813	967	4/15/2026	Routine	Yes	No maintenance needed at this time.	No	No
814	969	4/15/2026	Routine	Yes	No maintenance needed at this time.	No	No
815	102	4/15/2026	Routine	Yes	No maintenance needed at this time.	No	No
816	76	4/15/2026	Routine	Yes	No maintenance needed at this time.	No	No
817	77	4/15/2026	Routine	Yes	No maintenance needed at this time.	No	No
818	359	4/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
819	18	4/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
820	797	4/17/2026	Routine	Yes	No maintenance needed at this time.	No	No
821	164	4/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
822	262	4/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
823	263	4/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
824	261	4/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
825	260	4/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
826	268	4/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
827	266	4/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
828	267	4/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
829	265	4/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
832	319	4/20/2026	Routine	No	Maintenance is needed (County)	No	Yes

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
833	301	4/20/2026	Routine	No	Maintenance is needed (County)	No	Yes
834	282	4/20/2026	Routine	No	Maintenance is needed (County)	No	Yes
830	320	4/20/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
831	26	4/20/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
835	855	4/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
836	856	4/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
837	857	4/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
838	351	4/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
840	303	4/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
839	283	4/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
846	796	4/21/2026	Complaint Based	No	Maintenance is needed (County)	No	Yes
841	363	4/21/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
842	357	4/21/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
843	109	4/21/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
844	302	4/21/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
845	273	4/21/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
847	462	4/21/2026	Routine	Yes	No maintenance needed at this time.	No	No
848	362	4/21/2026	Routine	Yes	No maintenance needed at this time.	No	No
849	355	4/21/2026	Routine	Yes	No maintenance needed at this time.	No	No
856	342	4/23/2026	Routine	No	Maintenance is needed (County)	No	Yes
857	345	4/23/2026	Routine	No	Maintenance is needed (County)	No	Yes
850	126	4/23/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
852	399	4/23/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
851	252	4/23/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
853	583	4/23/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
854	193	4/23/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
855	194	4/23/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
858	275	4/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
859	229	4/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
860	177	4/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
861	341	4/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
862	253	4/23/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
863	347	4/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
864	346	4/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
865	354	4/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
866	274	4/23/2026	Routine	Yes	No maintenance needed at this time.	No	No
867	16	4/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
868	536	4/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
869	609	4/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
870	608	4/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
877	13	4/29/2026	Routine	No	Maintenance is needed (County)	No	Yes
871	14	4/29/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
872	683	4/29/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
873	9	4/29/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
874	258	4/29/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
875	1035	4/29/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
876	57	4/29/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
878	316	4/29/2026	Routine	Yes	No maintenance needed at this time.	No	No
879	591	4/29/2026	Routine	Yes	No maintenance needed at this time.	No	No
880	885	4/29/2026	Routine	Yes	No maintenance needed at this time.	No	No
881	371	4/30/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
883	321	4/30/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
885	433	4/30/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
882	425	4/30/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
884	799	4/30/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
886	688	4/30/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
887	334	4/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
888	369	4/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
889	375	4/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
890	370	4/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
891	372	4/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
892	373	4/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
893	374	4/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
894	875	4/30/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
895	432	4/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
896	689	4/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
897	409	5/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
898	407	5/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
899	408	5/1/2026	Routine	Yes	No maintenance needed at this time.	No	No
900	787	5/4/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
901	740	5/4/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
902	747	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
903	748	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
904	749	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
905	806	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
906	753	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
907	807	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
908	25	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
909	754	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
910	774	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
911	765	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
912	785	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
913	773	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
914	760	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
915	700	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
916	761	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
917	762	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
918	763	5/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
919	764	5/6/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
920	737	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
921	736	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
922	735	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
923	734	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
924	733	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
925	732	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
926	731	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
927	730	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
928	729	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
929	738	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
930	739	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
931	743	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
932	744	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
933	745	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
934	746	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
935	741	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
936	742	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
937	750	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
938	751	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
939	752	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
940	755	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
941	756	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
942	757	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
943	758	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
944	759	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
945	766	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
946	767	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
947	768	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
948	769	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
949	770	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
950	771	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
951	772	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
952	775	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
953	776	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
954	777	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
955	778	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
956	779	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
957	780	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
958	781	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
959	782	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
960	783	5/6/2026	Routine	Yes	No maintenance needed at this time.	No	No
967	710	5/7/2026	Routine	No	Maintenance is needed (County)	No	Yes
961	1059	5/7/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
963	728	5/7/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
964	714	5/7/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
965	712	5/7/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
962	784	5/7/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
966	977	5/7/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
968	723	5/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
969	722	5/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
970	709	5/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
971	786	5/7/2026	Routine	Yes	No maintenance needed at this time.	No	No
972	17	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
973	848	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
974	724	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
975	725	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
976	726	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
977	727	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
978	721	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
979	720	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
980	719	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
981	718	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
982	713	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
983	711	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
984	715	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
985	717	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
986	716	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
987	701	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
988	702	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
989	703	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
990	704	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
991	705	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
992	706	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
993	707	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
994	708	5/8/2026	Routine	Yes	No maintenance needed at this time.	No	No
995	978	5/11/2026	Routine	Yes	No maintenance needed at this time.	No	No
996	20	5/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
997	304	5/13/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
998	230	5/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
999	78	5/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
1000	419	5/13/2026	Routine	Yes	No maintenance needed at this time.	No	No
1005	344	5/14/2026	Routine	No	Maintenance is needed (County)	No	Yes
1006	1039	5/14/2026	Routine	No	Maintenance is needed (County)	No	Yes
1002	110	5/14/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
1001	231	5/14/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
1003	626	5/14/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
1004	376	5/14/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1007	111	5/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
1008	184	5/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
1009	153	5/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
1010	152	5/14/2026	Routine	Yes	No maintenance needed at this time.	No	No
1011	972	5/15/2026	Routine	Yes	No maintenance needed at this time.	No	No
1012	970	5/15/2026	Routine	Yes	No maintenance needed at this time.	No	No
1013	464	5/18/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1014	537	5/18/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1015	663	5/18/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1016	466	5/18/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1017	463	5/18/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1018	638	5/19/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
1019	132	5/19/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1020	58	5/19/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1021	637	5/19/2026	Routine	Yes	No maintenance needed at this time.	No	No
1022	461	5/19/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
1023	597	5/20/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1024	624	5/20/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1025	623	5/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
1026	622	5/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
1027	961	5/20/2026	Routine	Yes	No maintenance needed at this time.	No	No
1035	687	5/26/2026	Routine	No	Maintenance is needed (County)	No	Yes
1028	933	5/26/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
1029	914	5/26/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
1032	621	5/26/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1033	645	5/26/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1030	956	5/26/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1031	915	5/26/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1034	404	5/26/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1036	1041	5/26/2026	Routine	Yes	No maintenance needed at this time.	No	No
1037	1040	5/26/2026	Routine	Yes	No maintenance needed at this time.	No	No
1044	923	5/27/2026	Routine	No	Maintenance is needed (County)	No	Yes
1038	639	5/27/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
1040	48	5/27/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1042	1026	5/27/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1039	381	5/27/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1041	611	5/27/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1043	522	5/27/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1045	307	5/27/2026	Routine	Yes	No maintenance needed at this time.	No	No
1046	413	5/27/2026	Routine	Yes	No maintenance needed at this time.	No	No
1047	612	5/27/2026	Routine	Yes	No maintenance needed at this time.	No	No
1048	523	5/27/2026	Routine	Yes	No maintenance needed at this time.	No	No
1049	104	5/28/2026	Complaint Based	No	Maintenance is needed (Owner)	Yes	No
1050	913	5/28/2026	Routine	Yes	No maintenance needed at this time.	No	No
1051	1016	5/28/2026	Routine	Yes	No maintenance needed at this time.	No	No
1052	1015	5/28/2026	Routine	Yes	No maintenance needed at this time.	No	No
1053	517	5/29/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1054	108	5/29/2026	Routine	Yes	No maintenance needed at this time.	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
1056	475	6/1/2026	Routine	No	Maintenance is needed (County)	No	Yes
1055	418	6/1/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1064	840	6/2/2026	Routine	No	Maintenance is needed (County)	No	Yes
1057	801	6/2/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
1061	544	6/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1058	960	6/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1059	332	6/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1060	841	6/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1062	159	6/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1063	422	6/2/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1065	802	6/2/2026	Routine	Yes	No maintenance needed at this time.	No	No
1066	842	6/2/2026	Routine	Yes	No maintenance needed at this time.	No	No
1067	46	6/2/2026	Routine	Yes	No maintenance needed at this time.	No	No
1068	545	6/2/2026	Routine	Yes	No maintenance needed at this time.	No	No
1069	479	6/2/2026	Routine	Yes	No maintenance needed at this time.	No	No
1074	52	6/3/2026	Routine	No	Maintenance is needed (County)	No	Yes
1070	613	6/3/2026	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
1071	377	6/3/2026	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
1072	1010	6/3/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1073	476	6/3/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1075	491	6/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
1076	1011	6/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
1077	322	6/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
1078	474	6/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
1079	309	6/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
1080	310	6/3/2026	Routine	Yes	No maintenance needed at this time.	No	No
1083	1005	6/4/2026	60-day reinspection	No	Maintenance is needed (County)	No	Yes
1081	172	6/4/2026	60-day reinspection	No	Maintenance is needed (County/Owner)	Yes	Yes
1082	988	6/4/2026	60-day reinspection	No	Maintenance is needed (Owner)	Yes	No
1084	1057	6/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
1085	900	6/4/2026	Routine	Yes	No maintenance needed at this time.	No	No
1086	5977	6/12/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	MINOR MAINTENANCE	MAJOR MAINTENANCE
1087	924	6/12/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1088	5351	6/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
1089	51	6/12/2026	Routine	Yes	No maintenance needed at this time.	No	No
1090	948	6/16/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1091	946	6/16/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1092	940	6/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
1093	949	6/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
1094	944	6/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
1095	943	6/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
1096	947	6/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
1097	945	6/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
1098	942	6/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
1099	941	6/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
1100	308	6/16/2026	Routine	Yes	No maintenance needed at this time.	No	No
1104	598	6/18/2026	60-day reinspection	No	Maintenance is needed (County)	No	Yes
1101	671	6/18/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
1102	994	6/18/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1103	952	6/18/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1105	648	6/18/2026	Routine	Yes	No maintenance needed at this time.	No	No
1106	928	6/22/2026	Routine	No	Maintenance is needed (County/Owner)	Yes	Yes
1107	276	6/22/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1108	21	6/22/2026	Routine	Yes	No maintenance needed at this time.	No	No
1109	923	6/23/2026	Routine	No	Maintenance is needed (County)	No	Yes
1110	1047	6/24/2026	Routine	Yes	No maintenance needed at this time.	No	No
1111	555	6/26/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1112	444	6/26/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1113	795	6/30/2026	Routine	No	Maintenance is needed (Owner)	Yes	No
1114	1050	6/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
1115	859	6/30/2026	Routine	Yes	No maintenance needed at this time.	No	No
1116	884	6/30/2026	Routine	Yes	No maintenance needed at this time.	No	No

Appendix P

Private-Maintained SWM Facility

Inspection Summary

Privately Maintained SWM/BMP - Facility Compliance FY26

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	Owner 60 Day Ltr (y/n)	CAO 30 Day Ltr	CAO 15 Day Ltr
1	6283	7/7/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
2	6277	7/8/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
3	6287	7/9/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
4	6286	7/9/2025	Routine	No	Maintenance is needed.	Yes	No	No
5	6288	7/10/2025	Routine	No	Maintenance is needed.	Yes	No	No
6	5070	7/18/2025	Routine	No	Maintenance is needed.	Yes	No	No
7	5062	7/18/2025	Routine	No	Maintenance is needed.	Yes	No	No
8	5061	7/18/2025	Routine	No	Maintenance is needed.	Yes	No	No
9	5060	7/18/2025	Routine	No	Maintenance is needed.	Yes	No	No
10	6090	7/18/2025	Routine	No	Maintenance is needed.	Yes	No	No
11	5077	7/18/2025	Routine	No	Maintenance is needed.	Yes	No	No
12	5076	7/18/2025	Routine	No	Maintenance is needed.	Yes	No	No
13	5068	7/22/2025	Routine	No	Maintenance is needed.	Yes	No	No
14	5672	7/30/2025	Routine	No	Maintenance is needed.	Yes	No	No
15	5949	7/31/2025	Routine	No	Maintenance is needed.	Yes	No	No
16	5727	7/31/2025	Routine	No	Maintenance is needed.	Yes	No	No
17	5474	8/5/2025	Routine	No	Maintenance is needed.	Yes	No	No
18	6291	8/7/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
19	6289	8/7/2025	Routine	No	Maintenance is needed.	Yes	No	No
20	6290	8/7/2025	Routine	No	Maintenance is needed.	Yes	No	No
21	6186	8/8/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
22	6187	8/8/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
23	6188	8/8/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
24	5397	8/8/2025	Complaint Based	No	Maintenance is needed.	Yes	No	No
25	5817	8/8/2025	60-day reinspection	No	Maintenance is needed.	Yes	No	No
26	5124	8/11/2025	Routine	No	Maintenance is needed.	Yes	No	No
27	6156	8/11/2025	Routine	No	Maintenance is needed.	Yes	No	No
28	5750	8/11/2025	Routine	No	Maintenance is needed.	Yes	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	Owner 60 Day Ltr (y/n)	CAO 30 Day Ltr	CAO 15 Day Ltr
29	5545	8/11/2025	Routine	No	Maintenance is needed.	Yes	No	No
30	6293	8/12/2025	Routine	No	Maintenance is needed.	Yes	No	No
31	6292	8/12/2025	Routine	No	Maintenance is needed.	Yes	No	No
32	5053	8/13/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
33	5832	8/13/2025	Routine	No	Maintenance is needed.	Yes	No	No
34	5140	8/14/2025	Routine	No	Maintenance is needed.	Yes	No	No
35	5215	8/15/2025	Routine	No	Maintenance is needed.	Yes	No	No
36	5769	8/18/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
37	5785	8/25/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
38	6191	8/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
39	6190	8/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
40	5231	8/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
41	5232	8/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
42	5230	8/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
43	5506	8/26/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
44	5507	8/26/2025	Routine	No	Maintenance is needed.	Yes	No	No
45	5243	8/26/2025	Routine	No	Maintenance is needed.	Yes	No	No
46	6085	8/27/2025	Routine	No	Maintenance is needed.	Yes	No	No
47	5186	8/27/2025	Routine	No	Maintenance is needed.	Yes	No	No
48	5740	8/27/2025	Routine	No	Maintenance is needed.	Yes	No	No
49	5512	8/27/2025	Routine	No	Maintenance is needed.	Yes	No	No
50	5037	8/28/2025	Complaint Based	No	Maintenance is needed.	Yes	No	No
51	5833	9/8/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
52	6210	9/8/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
53	6009	9/8/2025	Routine	No	Maintenance is needed.	Yes	No	No
54	5504	9/8/2025	Routine	No	Maintenance is needed.	Yes	No	No
55	5358	9/9/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
56	5190	9/9/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
57	5857	9/9/2025	Routine	No	Maintenance is needed.	Yes	No	No
58	5725	9/10/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
59	5495	9/10/2025	Routine	No	Maintenance is needed.	Yes	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	Owner 60 Day Ltr (y/n)	CAO 30 Day Ltr	CAO 15 Day Ltr
60	5333	9/10/2025	Routine	No	Maintenance is needed.	Yes	No	No
61	5469	9/11/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
62	5272	9/11/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
63	6206	9/11/2025	Routine	No	Maintenance is needed.	Yes	No	No
64	5909	9/23/2025	Routine	No	Maintenance is needed.	Yes	No	No
65	5298	9/23/2025	Routine	No	Maintenance is needed.	Yes	No	No
66	5209	9/23/2025	Routine	No	Maintenance is needed.	Yes	No	No
67	6010	9/25/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
68	6013	9/25/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
69	6011	9/25/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
70	5947	9/25/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
71	5593	9/25/2025	60-day reinspection	No	Maintenance is needed.	Yes	No	No
72	6015	9/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
73	6016	9/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
74	6017	9/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
75	6014	9/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
76	6012	9/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
77	5078	9/25/2025	Routine	No	Maintenance is needed.	Yes	No	No
78	5824	9/29/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
79	5111	9/30/2025	Routine	No	Maintenance is needed.	Yes	No	No
80	5113	9/30/2025	Routine	No	Maintenance is needed.	Yes	No	No
81	5114	9/30/2025	Routine	No	Maintenance is needed.	Yes	No	No
82	5112	9/30/2025	Routine	No	Maintenance is needed.	Yes	No	No
83	5109	9/30/2025	Routine	No	Maintenance is needed.	Yes	No	No
84	5108	9/30/2025	Routine	No	Maintenance is needed.	Yes	No	No
85	5110	9/30/2025	Routine	No	Maintenance is needed.	Yes	No	No
86	5551	10/1/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
87	5042	10/1/2025	Routine	No	Maintenance is needed.	Yes	No	No
88	5690	10/2/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
89	5689	10/2/2025	Routine	No	Maintenance is needed.	Yes	No	No
90	5688	10/2/2025	Routine	No	Maintenance is needed.	Yes	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	Owner 60 Day Ltr (y/n)	CAO 30 Day Ltr	CAO 15 Day Ltr
91	5068	10/3/2025	60-day reinspection	Yes	No maintenance needed at this time.	Yes	No	No
92	5070	10/7/2025	60-day reinspection	No	Maintenance is needed.	Yes	No	No
93	6005	10/15/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
94	6205	10/21/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
95	5503	10/21/2025	Routine	No	Maintenance is needed.	Yes	No	No
96	5222	11/4/2025	Routine	No	Maintenance is needed.	Yes	No	No
97	5371	11/5/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
98	5661	11/6/2025	Routine	No	Maintenance is needed.	Yes	No	No
99	5510	11/14/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
100	5946	11/17/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
101	5352	11/17/2025	Routine	No	Maintenance is needed.	Yes	No	No
102	5942	11/17/2025	Routine	No	Maintenance is needed.	Yes	No	No
103	5943	11/17/2025	Routine	No	Maintenance is needed.	Yes	No	No
104	5945	11/17/2025	Routine	No	Maintenance is needed.	Yes	No	No
105	5944	11/17/2025	Routine	No	Maintenance is needed.	Yes	No	No
106	5941	11/17/2025	Routine	No	Maintenance is needed.	Yes	No	No
107	5971	11/18/2025	Routine	No	Maintenance is needed.	Yes	No	No
108	5966	12/12/2025	Routine	No	Maintenance is needed.	Yes	No	No
109	6008	12/18/2025	Routine	Yes	No maintenance needed at this time.	Yes	No	No
110	5611	1/6/2026	Routine	No	Maintenance is needed.	Yes	No	No
111	5970	1/9/2026	Routine	No	Maintenance is needed.	Yes	No	No
112	5972	1/9/2026	Routine	No	Maintenance is needed.	Yes	No	No
113	5973	1/9/2026	Routine	No	Maintenance is needed.	Yes	No	No
114	5967	1/9/2026	Routine	No	Maintenance is needed.	Yes	No	No
115	5968	1/9/2026	Routine	No	Maintenance is needed.	Yes	No	No
116	5969	1/9/2026	Routine	No	Maintenance is needed.	Yes	No	No
117	6045	1/13/2026	Routine	No	Maintenance is needed.	Yes	No	No
118	5301	1/21/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
119	5347	2/4/2026	Routine	No	Maintenance is needed.	Yes	No	No
120	5362	2/4/2026	Routine	In Progress	Maintenance is needed.	Yes	No	No
121	5004	2/25/2026	Routine	No	Maintenance is needed.	Yes	No	No

	Facility ID	Inspection Date	Inspection Type	Facility In Compliance?	Notes	Owner 60 Day Ltr (y/n)	CAO 30 Day Ltr	CAO 15 Day Ltr
122	6316	2/25/2026	Routine	No	Maintenance is needed.	Yes	No	No
123	6314	2/27/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
124	6305	2/27/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
125	6313	2/27/2026	Routine	No	Maintenance is needed.	Yes	No	No
126	6306	2/27/2026	Routine	No	Maintenance is needed.	Yes	No	No
127	6307	2/27/2026	Routine	No	Maintenance is needed.	Yes	No	No
128	5817	3/3/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
129	6308	3/3/2026	Routine	No	Maintenance is needed.	Yes	No	No
130	6309	3/3/2026	Routine	No	Maintenance is needed.	Yes	No	No
131	6320	3/4/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
132	5396	3/4/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
133	6310	3/5/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
134	6311	3/5/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
135	6312	3/5/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
136	5831	3/11/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
137	5509	3/19/2026	Routine	No	Maintenance is needed.	Yes	No	No
138	5267	3/20/2026	Complaint Based	No	Maintenance is needed.	Yes	No	No
139	6335	3/24/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
140	6336	3/24/2026	Routine	No	Maintenance is needed.	Yes	No	No
141	6334	3/24/2026	Routine	No	Maintenance is needed.	Yes	No	No
142	6332	4/7/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
143	6331	4/7/2026	Routine	No	Maintenance is needed.	Yes	No	No
144	5342	4/8/2026	Routine	No	Maintenance is needed.	Yes	No	No
145	5902	4/8/2026	Routine	No	Maintenance is needed.	Yes	No	No
146	5750	4/8/2026	Complaint Based	No	Maintenance is needed.	Yes	No	No
147	6238	4/14/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
148	5141	4/14/2026	Routine	No	Maintenance is needed.	Yes	No	No
149	6236	4/14/2026	Routine	No	Maintenance is needed.	Yes	No	No
150	6235	4/14/2026	Routine	No	Maintenance is needed.	Yes	No	No
151	6333	4/15/2026	Routine	Yes	No maintenance needed at this time.	Yes	No	No
152	5243	4/24/2026	Routine	No	Maintenance is needed.	Yes	No	No

Appendix Q

Community Partners' Annual Reports

Northern Virginia Regional Commission – Clean Water Partners

Northern Virginia Clean Water Partners

2026 ANNUAL SUMMARY OF RESULTS

July 1, 2025 - June 30, 2026

Stormwater Pollution in Northern Virginia

Water bodies in Northern Virginia, including the region's numerous streams, lakes, and rivers, provide a range of environmental, social, and economic benefits to surrounding communities. However, when waterways are polluted and water quality becomes impaired, their key resources are reduced and result in negative impacts to both humans and the natural environment.

Polluted stormwater runoff is the number one cause of poor water quality in Northern Virginia's waterways. When it rains and snows, water runs off streets, driveways, yards, and parking lots and mixes with pollutants, such as litter, fertilizer, pet waste, road salt, and auto fluids. These pollutants then flow into storm drains on the street and are discharged directly into nearby streams.

To reduce the impacts of pollution, the Northern Virginia Clean Water Partners joined together in 2003 to improve residents' stormwater-related knowledge and behaviors through an ongoing public education campaign for the region.

About the Partnership

The Northern Virginia Clean Water Partners (NVCWP) is composed of a group of over 20 local governments, public schools, drinking water and sanitation authorities, and businesses in the region. Together, the NVCWP shares the common goals to keep Northern Virginia residents healthy and safe by reducing the amount of pollution from stormwater runoff that reaches local creeks and rivers, and to empower individuals to take action in their own communities.

To meet these goals, the partners work together to:

- Identify high priority water quality issues for the region
- Identify the target audience(s) for outreach
- Educate the region's residents on simple ways to reduce pollution around their homes
- Monitor changes in behavior through surveys and other data collection techniques
- Pilot new cost-effective opportunities for public outreach and education

Membership is voluntary and each member makes an annual contribution to fund the program. By working together, the partners are able to leverage their funds to develop and implement a range of bilingual education and outreach strategies throughout Northern Virginia.

The 2026 campaign helped to satisfy MS4 (Municipal Separate Storm Sewer System) Phase I and Phase II permit requirements for stormwater education and documenting changes in behavior.

Learn more at Onlyrain.org

2026 Campaign Overview

The Northern Virginia Clean Water Partners continued to highlight the following high priority pollutants for their 2026 campaign:

- **Nutrients (Phosphorus and Nitrogen)**
- **Bacteria**
- **Salt**
- **Illicit Discharges (e.g., pesticides, motor oil, paint)**

Target audiences for these issues include, but are not limited to, pet owners, winter salt applicators, home mechanics, and residents with lawns or gardens. To reach these groups, the 2026 campaign employed a mix of social media, television and other paid advertising, printed materials, and the Only Rain website to share messaging aimed at improving knowledge and behaviors around stormwater pollution. In addition, partners engaged residents directly through event tabling and other in-person activities throughout the year, further raising awareness of the campaign.

The 2026 campaign also aimed to strengthen its outreach and engagement efforts through enhanced social marketing tools, including new education materials, refined paid advertising strategies (such as the use of Microsoft and Google Ads), and an updated Clean Water Pledge.

Social Media Highlights

The NVCWP expanded its social media presence in 2026, achieving consistent growth on Instagram and Facebook platforms. In response to other shifting platform usage trends, the NVCWP discontinued its X and Threads accounts and launched a LinkedIn account to reach audiences who value networking and professional content but may not engage with other social media channels.

Key Metrics			
New Followers	56	132	71
Total Followers	733	402	86
Total Posts	124	104	104
Total Post Clicks	19.8K	9.9K	3.9K
Total Post Engagements	2.2K	1.1K	620

Video Advertisements

The 2026 campaign engaged residents through two video advertisements focusing on residential stormwater management actions. The campaign aired the videos in English and Spanish across mobile, desktop, and standard TV platforms with 10,511 ads on standard TV alone. In total, the videos generated 1,521,694 impressions, or views, across all platforms.

2026 Key Campaign Metrics

Social Media Impressions*

2,358,930

Post Clicks

33,637

E-Newsletter Subscribers

2,469

Non-Social Media Impressions**

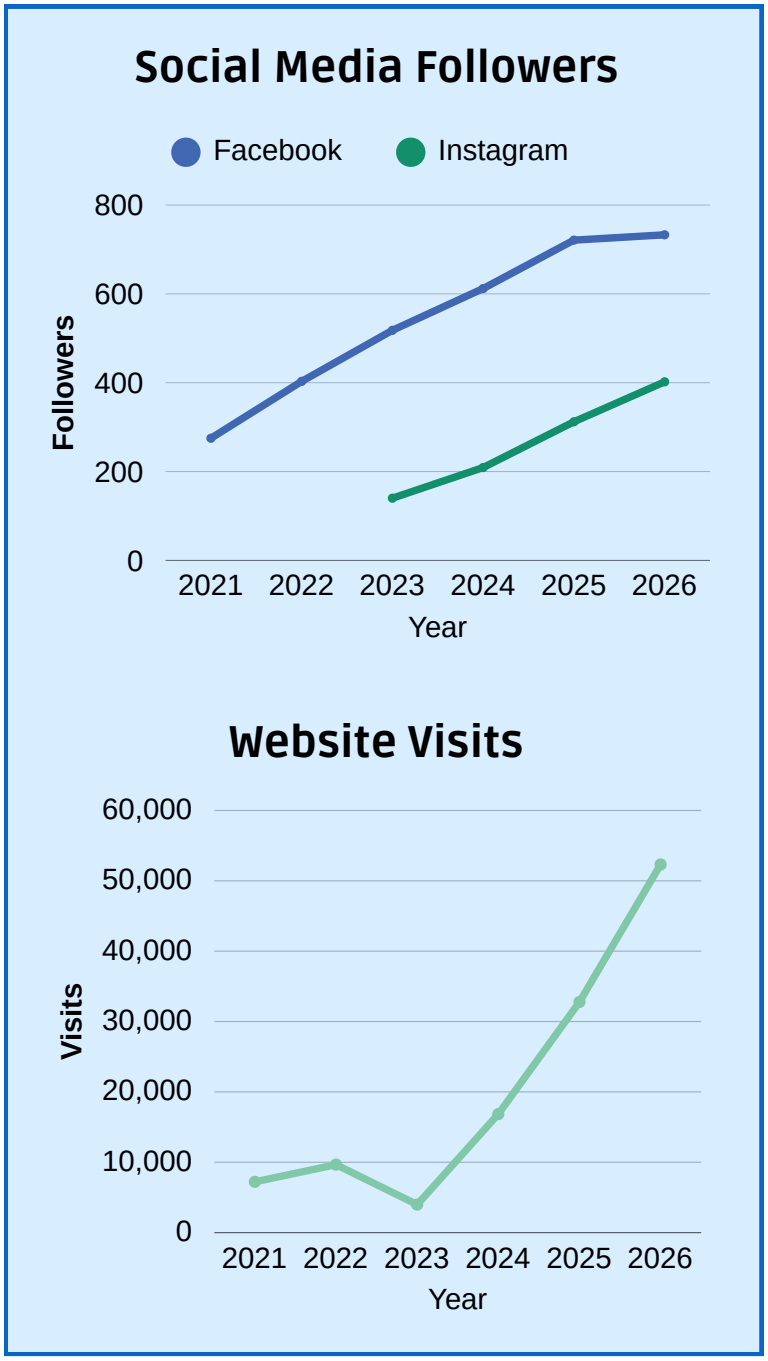
549,964

Video Ad Impressions*

1,521,694

Website Visits

52,324



**Impressions are the number of times an ad appeared on a TV, computer, or other electronic device.*
***Non-social media impressions include impressions on Google Search, Reddit, and other websites outside of Twitter/X and Meta platforms (Facebook, Instagram, and Threads).*

Annual Stormwater Survey

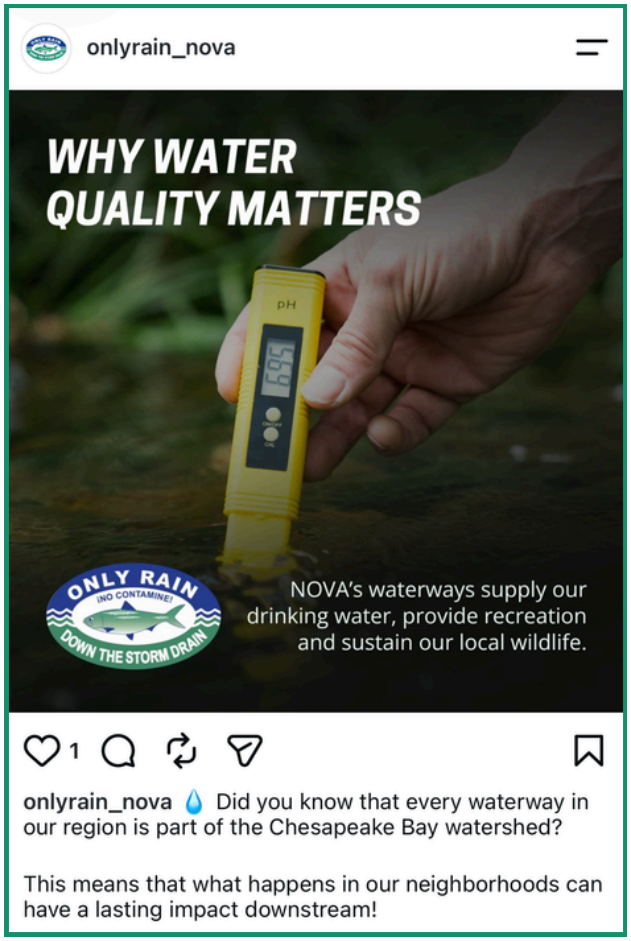
The Northern Virginia Clean Water Partners conduct an annual online survey of approximately 500 residents in the region to better understand their stormwater-related knowledge and behaviors over time. Survey results help the partners to assess their campaign's effectiveness and improve future education and outreach efforts.

Survey Findings

Stormwater and Watershed Knowledge

In an increase from previous years, 76% of Northern Virginia residents reported that they are familiar with the term "watershed". When asked which watershed they live in though, 45% of residents selected that they live in the Potomac River watershed, while 31% indicated that they live in the Chesapeake Bay watershed.

When asked where stormwater eventually ends up, 42% of residents responded that it goes to the Potomac River or Chesapeake Bay, and 18% selected that it only goes to a wastewater treatment plant. 33% reported that it ends up at both destinations. Overall, while survey findings indicate improving awareness of watershed terminology, messaging should continue to focus on stormwater flow paths and destinations in Northern Virginia and the broader Chesapeake Bay watershed.



Information and Advertising

As in past surveys, about one-quarter (27%) of residents reported that they have seen or received at least some form of information about reducing water pollution in the past 12 months. Of those who were aware of an event for water quality improvement, such as stream clean ups and storm drain stenciling, 54% actually participated in the event.

40% of respondents indicated that they were familiar with the NVCWP prior to the survey. When shown the "only rain down the storm drain" fish logo, 56% reported having seen it previously. Both figures remain similar to 2024 and 2025 results. However, trust and outreach indicators increased from previous years: 80% selected that they trust the NVCWP, and 74% said that they would contact the NVCWP with questions or concerns about water quality.

These results underscore the NVCWP's increasing use of the "Only Rain" logo over the past year, as well as the value of sharing trustworthy, science-based information through social media, the NVCWP website, and outreach materials. In the coming year, the partners will continue to share water quality improvement events, easily digestible messaging, and other tools to further build familiarity.

Campaign Impact

Residents who had seen at least one NVCWP video ad were asked a series of questions about the ads' impact, including how their attitudes and behaviors toward different forms of pollution have changed as a result. Mirroring previous years, over 90% of respondents reported a greater understanding of how pet waste, fertilizer, and motor oil affect local water quality. Notably, there was an increase in residents who are now taking action to reduce pollution: 80% stated that they pick up more pet waste, 81% fertilize less frequently, and 89% now dispose of motor oil properly.

Resident Behaviors

The survey asked specific questions to understand changes in Northern Virginia residents' behaviors around relevant stormwater management and pollution issues, including pet waste, lawn and garden care, winter salt, car fluids, and household hazardous waste.

Household Waste Drop-Offs

About two-thirds of residents (66%) reported needing to dispose of Household Hazardous Waste (HHW) at some point, and 67% said they know if their locality has a specific HHW drop-off location.

The 2026 survey also asked new questions about bulk trash (e.g., furniture, appliances, mattresses) and HHW disposal methods. Results showed that 47% of residents use a municipal facility to dispose of HHW, while 13% take it to a collection event and 13% dispose of it with regular household waste.

For bulk waste, residents most commonly schedule a pickup with municipal or private waste removal services (47%), donate them to charity or thrift stores (36%), or take items to a landfill (31%). Additionally, 19% of residents reported having left items on a street curb, and 10% reported placing them with regular household waste.

Dog Waste

Responses to questions about dog waste pick-up have not changed significantly over the past four years. About half of residents (49%) reported owning at least one dog, and among those who walk their dog, 91% stated that they always or usually pick up their dog's waste during walks. The majority of residents continue to pick up after their pet in their own yard on a daily basis (62%), while 28% do so on a weekly basis.

On the other hand, when asked why they pick up their dog's waste, responses varied from previous years: residents most frequently selected that "it's what good neighbors do" (25%), followed by concerns about water pollution (22%). Only 19% of residents cited a city or county ordinance as their reason for picking up pet waste, though this response increased from 2025 (11%).

Pollution Reporting

When asked about reporting potential water pollution, 52% of residents stated that they know who to contact. Over two-thirds (70%) also indicated that they would probably or definitely contact someone to report a potential source of water pollution, representing a steady increase in this response over the past five years.

Among those who were equally likely to call or not call to report potential pollution, as well as those who would not call, a quarter (25%) selected "it's none of my business," 23% selected not wanting to communicate with authorities, and 19% selected "other." These findings suggest that while most residents can identify and are willing to report water pollution, campaign messaging should continue to clarify reporting pathways to reduce hesitancy and make the process easier.

Stormwater Management Features

Survey respondents were given descriptions of rain barrels, rain gardens, and conservation landscaping, then asked whether they had heard of each stormwater management feature and would be interested in installing one on their property. Rain barrels emerged as the most familiar option (76%), and interest in installing one has grown, rising from 35% in 2025 to 43% in 2026.

Rain gardens remained the least familiar feature, though over a third of residents (37%) expressed interest in adding one to their property. Moreover, despite rain barrels having the highest familiarity, more residents reported having conservation landscaping installed than either of the other two features. This is likely due to the many different ways it can be incorporated into a lawn or garden.

Winter Salt

Since 2024, respondents have been asked about their attitudes and behaviors around snow and ice maintenance, including their use of deicers (e.g., road salt) and abrasives (e.g., sand). Two in five residents (40%) reported always or frequently applying deicers at their residence during snowy and icy conditions, while 22% said the same for abrasives. In addition, there was a fairly even spread among those who apply deicers before (37%), during (27%), or after storm events (31%), while 14% stated that the timing of their application varies.

Respondents were also asked to share their positive or negative perceptions of road salt application. Most residents maintained positive perceptions when it comes to emergency vehicle safety (63%), motorist safety (67%), and pedestrian safety (71%). Yet, in a jump from 2025 (40%), nearly half of residents (48%) noted that it has a negative impact on local waterways. While awareness of road salt's impacts on local waterways continues to grow, residents still hold favorable perceptions of its effect on drinking water. This disparity underscores the need for future messaging to more clearly establish the connection between road salt, waterway health, and local drinking water supply.

Vehicle Maintenance

Residents' vehicle-washing behaviors have been consistent over the past several years. Among those who own or lease a car, nearly two-thirds (62%) reported taking their vehicle to a commercial car wash, while 39% washed their vehicle at home in the past year. The frequency and methods of washing (i.e., use of environmentally-friendly detergent or water) have also largely stayed the same.

As with past years, 67% of residents reported going to an auto center for oil changes, and 20% take their used motor oil to a gas station or hazmat facility for recycling. The remaining 13% of respondents noted that they store used motor oil in their garage, place it in the trash, or dump it down a storm drain, sink, or onto the ground.

Lawn and Garden Care

67% of residents with a lawn or garden reported using a lawn care service at least once a year. The majority of residents with a lawn or garden continue to fertilize at least once a year, and over one-third fertilize twice a year (36%). Echoing previous results, 13% reported never fertilizing, and 11% only do so if a soil test recommends it.

When asked how they dispose of grass clippings, 41% of residents reported either bagging clippings for composting/recycling or placing them in a compost bin. Nearly one-quarter (23%) bag clippings and place them in the trash, while 37% leave them on the lawn or garden. If grass clippings end up in the street, 65% of residents reported sweeping or blowing them back onto their lawn, 18% leave them in the street, and 17% sweep them into the storm drain.

2026 Campaign Goals

The Northern Virginia Clean Water Partners look forward to enhancing the annual campaign in the coming year through new social marketing initiatives, including:

- Stakeholder research and guidance to better reach local community groups, businesses, and other new audiences
- New graphics and outreach materials to share at tabling and other outreach events
- Updated Spanish language translations for Onlyrain.org and Spanish advertising on social media

Northern Virginia
Clean Water Partners

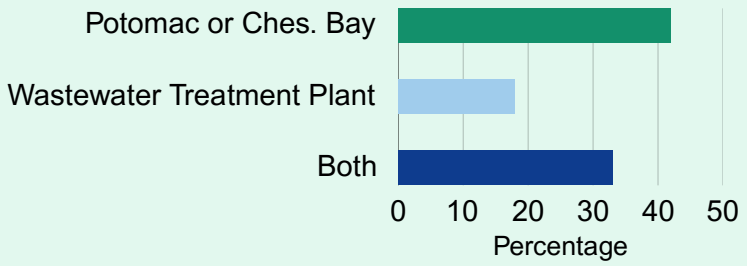
2026 Stormwater Survey at a Glance

The Northern Virginia Clean Water Partners (NVCWP) conduct an annual survey to better understand Northern Virginia residents' stormwater knowledge and behaviors and help inform future education and outreach efforts.

Stormwater & Watershed Knowledge

Over three-quarters of residents **(76%)** were familiar with the term "watershed" prior to the survey. However, only **31%** stated that they live in the Chesapeake Bay watershed.

When asked where stormwater ends up, residents responded that it goes to....



Pollution Reporting

70% of residents would probably or definitely report potential pollution to their town or county, but only **52%** think they know who to call for reporting.

Winter Salt

40% always or frequently apply deicer (e.g., salt) at their residence during snowy or icy conditions.

Vehicle Maintenance

The majority of vehicle owners (**67%**) use a garage or oil change service to dispose of motor oil.

62% have taken their vehicle to a commercial car wash over the past year, while **39%** washed their car at home.

Pet Waste

91% of dog owners report always or usually picking up their pet's waste during a walk, while only **62%** pick up the waste in their yard on a daily basis.

Lawn and Garden Care

76% of residents fertilize their lawn or garden at least once a year. **24%** either never fertilize or only fertilize when a soil test recommends it.

41% bag their grass clippings for composting/ recycling or put them in a compost bin.

Additional Information

Contact: Rebecca Murphy

Coastal Program Manager
rmurphy@novaregion.org
703-642-4625
3040 Williams Drive, Suite #200
Fairfax, VA 22031

Website:

Onlyrain.org

Social Media:

- **Facebook:** facebook.com/NVCWP
- **LinkedIn:** linkedin.com/company/only-rain
- **Instagram:** instagram.com/novacwp

2026 Clean Water Partners:

Fairfax County | Arlington County | Loudoun County | Loudoun Water | Fairfax Water | City of Alexandria | City of Fairfax | City of Falls Church | City of Manassas | City of Manassas Park | Stafford County | Town of Leesburg | Town of Dumfries | Town of Herndon | Town of Vienna | Prince William County | Prince William Water | Northern Virginia Regional Commission | George Mason University | Virginia Coastal Zone Management Program | Fairfax County Public Schools | Northern Virginia Soil and Water Conservation District | Prince William County Public Schools

This summary was produced by the Northern Virginia Regional Commission on behalf of the 2026 Clean Water Partners.

Prince William Soil and Water Conservation District

INSPIRING PERSONAL RESPONSIBILITY FOR OUR ENVIRONMENT AND NATURAL RESOURCES

ANNUAL REPORT

July 1st 2025

June 30th 2026

Our Mission:

Our mission is to provide leadership in the conservation of soil, water, and related resources to all Prince William County citizens through technical assistance, information, and education. The District accomplishes this mission by administering the Virginia Agricultural Best Management Practice Cost-Share Program in the county and developing and administering educational programs to youth and adults. The District plays a role in the larger objective of improving water quality not only in local watersheds, but also in the Potomac and Chesapeake Bay Watersheds.

Presented By:

PRINCE WILLIAM SOIL AND WATER CONSERVATION DISTRICT

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About Us

The Prince William Soil and Water Conservation District (PWSWCD) encompasses all of Prince William County. Our mission is to provide leadership in the conservation of soil, water, and related resources to all Prince William County citizens through technical assistance, information, and education. The District accomplishes this mission by administering the Virginia Agricultural Best Management Practice Cost-Share Program in the county and developing and administering educational programs to youth and adults. The District plays a role in the larger objective of improving water quality not only in local watersheds, but also in the Potomac River and Chesapeake Bay Watersheds.

PWSWCD provides the following services to the residents of Prince William County:

Agriculture—Conservation Plans, Virginia Agriculture Cost-Share program.
Youth Education—Conservation Capsules (classroom education), Farm Field Days, Meaningful Watershed Educational Experiences (MWEEs), Environmental Education
Water Quality—Adopt-a-Stream/Pond, Water Quality Monitoring, Chemical Monitoring, Floatables Monitoring, Plastic Pollution
Home Owners—Virginia Conservation Assistance Program (VCAP).

Support

The Commonwealth of Virginia supports Prince William Soil & Water Conservation District through financial and administrative assistance provided by the Virginia Soil and Water Conservation Board and the Department of Conservation and Recreation (DCR).

The District receives funding via a Memorandum of Agreement with Prince William County to provide

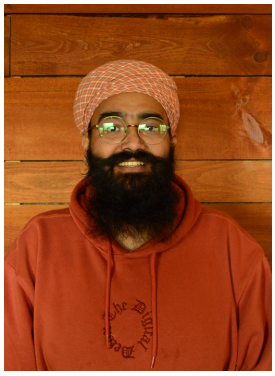
- **Technical Assistance**
- **Compliance Programs that Solve and Prevent Natural Resource Problems for Landowners**
- **Encourage Good Stewardship of the Environment.**

Directors

John Price
Chairman

Jenny Reed
Vice Chairman

Nancy Vehrs
Secretary



Mansimran Kahlon
Director

Thomas Bolles
Director

Will Lintner
Associate Director

Andrew Uglow
Associate Director

Sonnie Cuffey
Associate Director

Harry Glasgow
Associate Director

Jim Gehlsen
Treasurer

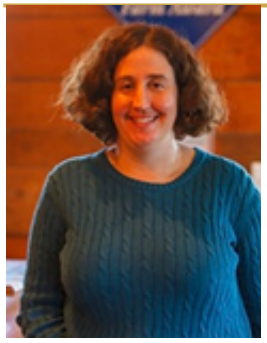
Staff

Jay Yankey
District Manager

Linda Dunn
Office Manager

Veronica Tangiri
Water Quality
Manager

Brianna Jones
Water Quality
Assistant



Nicole Slazinski
Urban Conservation
Specialist

Alex Murphy
Urban Conservation
Specialist

Josie Anderson
Education & Outreach
h Specialist

Hunter Quiniones
Conservation
Specialist

Ammaniwit
Water Quality
Intern

About our county

According to the United States Department of Agriculture (USDA) 2022 Census of Agriculture for Prince William County, there are 20,388 acres of farmland in the county, approximately 11% of the total acres. This represents an 11% decrease in farmland over the 2017 census. The average size of farms is 65 acres in the county. The market value of products sold is $10,084,000. Farmland in Prince William County is mainly located in three magisterial districts: Brentsville, Gainesville, and Coles.

Virginia Association of Soil & Water Conservation Districts

Virginia's diverse terrain is covered by 47 soil and water conservation districts. Each district provides a variety of services, uniquely dependent on their locations and their goals and objectives. "The mission of the Virginia Association of Soil and Water Conservation Districts and its Foundation is to provide and promote leadership in the conservation of natural resources through stewardship and education programs."

National Association of Soil & Water Conservation Districts

Across the United States, there are 3,000 Conservation Districts that are helping local people to conserve land, water, forests, wildlife, and other related natural resources. More than 17,000 volunteers serve in elected or appointed positions on Conservation Districts' governing boards. They work directly with more than 2.3 million cooperating land managers nationwide, and their efforts touch more than 778 million acres of private land.

Agriculture

The District wrote 45 conservation plans for over 1,512.3 acres that reduced the following nutrients from entering our waterways:

Nitrogen	Phosphorus	Sediment
5,331,.5 lbs	343.5 lbs	32.8 lbs.

These numbers represent 237 head of livestock, eliminating approximately 1,294 tons of manure per year.

DCR Cost-Share Best Management Practices (BMPs)

The Districts finished 7 cover crop practices (SL-8B /SL-8H), 1 Sidedress Application of Nitrogen on Corn practice (NM-3C), 2 Stream Exclusion with Wide Width Buffer practices (SL-6W), and 1 Long-Term Vegetative Cover on Cropland (SL-1). These practices covered about 347.3 acres and had the following nutrient reductions:

Nitrogen	Phosphorus	Sediment
2,701.69 lbs	69.09 lbs	70.44 lbs

We partner with the Virginia Department of Conservation and Recreation (DCR) under grant agreements to provide technical assistance in designing and installing Best Management Practices (BMPs) for natural resources conservation. Through these agreements under the Nonpoint Source Pollution Cost-Share Program, we provided technical assistance to 122 citizens for the following: agricultural production, BMPs, drainage/stormwater management, urban erosion, agricultural erosion, land disturbance, partner agency assistance, pond management, trees, native plants, water quality, weeds, and wildlife management.

PRINCE WILLIAM SOIL AND WATER CONSERVATION DISTRICT

Water Quality
Prince William County

Adopt-A-Stream/ Pond Highlights (September 25' - June 26')

- 44 cleanups
- 26,545 lbs of trash removed from streams
- 3,492 hours of support and improvement of water quality
- 49.9 miles of streams cleaned
- 1,042 volunteers participating in the program

Water Quality Monitoring

PWSWCD continued to develop partnerships to help with water quality outreach. Data collected from our monitoring and outreach is shared with PWC, City of Manassas, city of Manassas Park, Virginia Save Our Streams (VASOS) , the Chesapeake Bay Monitoring Cooperation (CMC) and the Virginia Department of Environmental Quality (DEQ).

Here are this year's highlights from our Water Quality Monitoring program:

1,084
Adults educated about watersheds

5
Floatable monitoring sites

97
Chemical Monitoring Sites

18
Benthic monitoring sites

Education

Conservation Capsules

- 127 teachers reserved 67 capsules for in-classroom presentations reaching approximately 2,141 students.
- Popular capsules this year include the Watershed Enviroscape Models and Food Chains and Webs!

District led Meaningful Watershed Educational Experiences (MWEEs)

- The District held educatiional events for schools 39 times this year
- District events include Park field trips and in class visits
- Across all of the county the district has educated 2,625 students

MWEE Teacher Trainings

- The District recieved the 2025-2026 Virginia Watershed Educational Programs Grant to support our MWEE teacher Training initiative.
- We trained a total of 38 teachers and 3 on how to implement a MWEE in their classrooms. In addition, we trained 3 Master Gardeners how to assist the teachers with MWEEs as a volunteer.

Youth Conservation Leadership Institute (YCLI)

- YCLI) is a recognition program for students in 9th- 12th grade that focuses on volunteer service and environmental stewardship
- focuses on environmental conservation, stewardship, and leadership skills.
- We had 5 Interns for YCLI this year were Michael Deroche, Nicea Ali, Alexandria Martinez, Camryn Munn, and Chloe Steeds

Envirothon

- Battlefield High School in Haymarket, VA returned again to compete in the Area II Envirothon for their second time
- We had a successful November Training for Area II and then an amazing Envirothon Competition in April for Area II.
- Our team: Danica Morisette, Emily Morse, Alexandria Martinez, Ellie Hewa, and Alana Marcey.

VCAP

The Virginia Conservation Assistance Program (VCAP) is an urban cost-share program that provides financial incentives and technical and educational assistance to property owners installing eligible Best Management Practices (BMPs) in Virginia's Chesapeake Bay Watershed. These practices can be installed in areas where problems like erosion, poor drainage, or poor vegetation occur. Qualified sites can be used for residential, commercial, or recreational purposes. The Prince William Soil and Water Conservation District (PWSWCD) completed 2 projects in FY26. Conservation staff provided technical assistance and site visits to 41 people interested in the program.

Personal Testimony

I first learned about the Virginia Conservation Assistance Program (VCAP) at a PWC Neighborhood Conference. The event was very helpful, especially the session about VCAP. Using grant money from this program was a cost effective way for our homeowners' association to fix erosion problems on our property and at the same time improve the attractiveness of our landscaping.

VCAP helped us address ongoing erosion from rainwater runoff that flowed into the Occoquan River and ultimately into the Chesapeake Bay watershed. We implemented the conservation landscaping meadow practice on a barren sloped hill and chose native plants that bloomed at varying times throughout the year. We also installed tiered timber walls to help slow down the rainwater runoff. Alex Murphy, PWC Soil and Water, provided exceptional support in guiding us through the VCAP process. Alex attended our association's VCAP committee meetings, suggested native plants and design improvements, patiently answered many, many questions, answered impromptu conference calls, and organized the appropriate grant submission requirements and paperwork. He covered all the bases for us and did it all with skill, professionalism and a smile.

We are extremely pleased with our experience and the results from VCAP.

In less than a year, many of the plants have matured and now provide color and vegetation to an area that was previously eroded and where stormwater ran off the bare dirt and lacked any vegetation. Homeowners have commented on how much they like the colorful and natural look of the meadow and have also observed less water runoff on walkways adjacent to the hill

.

I highly recommend homeowners explore VCAP. It addresses erosion and saves money while making your yard look great.

-Occoquan HOA

VCAP Participant

District Events

During the first quarter, the District hosted a Small Farmer and Landowner Outreach event at Windy Knoll Farm in Nokesville. This event provided agricultural producers and landowners an opportunity to connect with the District, learn about conservation practices, and explore cost-share options. The goal of these practices is to offer financial benefits to participants, while simultaneously supporting the County's environmental health by safeguarding natural resources through the implementation of best management practices.

At the Farmer and Landowner Outreach event, each department took place on a panel where they could answer questions from the ag community about their programs and the services they offer to the community. The District partners included:.

- **PWC Department of Forestry**
- **Virginia Cooperative Extension**
- **Department of Conservation and Recreation**
- **National Resource Conservation Service**

Governers environmental excellence award award recipient

In April our Water Quality Program Director, Veronica Tangiri, and District Manager, Jay Yankey, received this Governor's Environmental Excellence Award at the 2026 Environment Virginia Symposium held at Virginia Military Institute.The awards recognized the significant contributions of environmental and conservation leaders

The award highlights the program's continued leadership in advancing water quality, conservation, and environmental stewardship throughout the district and its volunteers

Prince William Environmental Excellence Foundation

"Dedicated to Helping Provide Environmental, Agricultural, and Natural Resources Conservation Education Beyond the Walls of the Classroom."

PWEEF Board of Directors

Jim Gehlsen, Chairman, Treasurer
Will Lintner, Vice Chair
Linda Dunn, Secretary
Jenny Reed, Director
Nancy Vehrs, Director

The Prince William Environmental Excellence Foundation is a 501 (C) (3) nonprofit affiliated with the Prince William Soil and Water Conservation District. The foundation raises money to support PWSWCD educational and outreach activities. In FY26, the Foundation provided funding to:

- **Support Leesylvania State Parks water quality projects for youth education**

Clean Water Farm Award Winner

Farm Name: Chad Williams , LLC
Farmers: Sean & Ginny Williams
Location: Broad Run, VA
Watershed: Potomac
Farm summary:

Chad and Ginny Williams have been working with the Prince William Soil and water conservation District since 2016 to manage their broad run meadows registered black angus seed stock operation in the most enviromentally friendly manner. Their first conservation and nutrient management plan was written in 2016 and they have faithfully followed and updated their plan every three years since. they completed an SL-6 practice in 2017. this practice ensured that all the waterways on their operation were excluded from livestock. All pasture and hay land acres are operated following a certified nutrient management plan.

Outreach

- **Seasonal Events**
  In the fall, our partners join us for Halloween-themed programs such as Trick or Treatment and Back-to-School events.
- **Festivals**
  The District supports and participates in environmental festivals such as Leopold's Preserve Fall Festival and Merrimac Farm Bluebell Festival, as well as cultural festivals to celebrate the counties diverse cultures
- **New Events**
  This year the district and the city of Manassas worked together in Kids2Park day

in Memory of Harry Glascow

Your paragraph text

While the dawn of 2026 began with the celebration of another new year, the natural environment and all its nature lovers, especially those in Northern Virginia, felt there was a missing piece. Wild plants and wildlife, especially the bird community, could attest that their most recent Christmas Bird Count of December 2025 was unlike any other.

Northern Virginia (NOVA) Nature Lovers miss Harry Glasgow and the Prince William Soil and Water Conservation District lost an outstanding Associate Director. Harry Glasgow's transition on December 2nd, 2025, has left a void that no one individual can fill. He was a great resource relating to the natural environment and conservation. His wisdom and knowledge about the natural environment were priceless. As the community embraces this hard reality, they remain thankful for the huge impact Harry made on NOVA, especially in promoting environmental education and conserving natural resources.

Harry served for 13 years as Prince William SWCD Associate Director and was extremely active. He served on numerous committees and never missed an event. His prominent leadership in promoting conservation here in Northern Virginia will be deeply missed.

Harry's Glasgow's Memorial was well celebrated by the community on December 16, 2025.

https://www.youtube.com/watch?v=tKEIhh7apEk

If you never had the opportunity to spend some treasured time with Harry Glasgow, keep in mind that he would like you to read Aldo Leopold's books.

Veronica Tangiri

Virginia Cooperative Extension

ANR

Key Measures	FY26	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	FY26 Actuals
Participants reporting that they adopted recommended water quality practices	85%	53%	86%	n/a	100%	80%
BEST Lawn clients implementing practices that improve water quality as a result of their nutrient management plan	85%					100%
Percentage of participants reporting satisfaction with environmental education	95%	97%	99%	98%	95%	97%
Program Activities & Workload Measures	**FY26 Target**					**FY26 Actuals**
Environmental education participants	2500	1242	573	580	1256	3651
Number of environmental education activities	no target	22	12	28	16	78
Site visits for stormwater management education, and community and school gardens	60	22	3	7	17	49
Calls received through the Horticulture Help Desk	1000	239	112	171		522
Urban nutrient management plans written (Best Lawns)	200	29	43	14.00	64	150
UNMP acres	no target	4.40	7.32	5.37	33.69	50.78
Ask A Master Gardener Event Outreach contacts	no target	600	678	406		1684
Volunteer Hours	no target	3978	2575	2051	2849	11453
Environmental Education Volunteers	no target	167	165	164	164	164.00
FTE value of volunteer hours	5	2.04	1.32	1.05	1.46	5.87
Number of citizen contacts						
% participants reporting instructor's courtesy and professionalism	no target	97%	99%	98%		98%
# Respondents Reporting that participating in this program changed the way they think about agriculture/ envrionment/ natural resources	no target	87%	85%	94%	87%	88%
# Respondents Reporting that as a result of this class they feel more confident handling plant and pest issues	no target	95%	84%	97%	88%	91%
Number of Ask a Master Gardener Outreach Events	no target	10	2	8	15	35
Plant A Row for the Hungry	no target					78479 lbs.

Q	date	location/organization	SW/RPA/Com Garden/Pond/Slope	Who
1	07/02/25	Emily Daniecki, 4610 Spalding Drive, Montclair	Erosion	Thomas, Lexi
1	07/16/25	Ben Lomond Garden	Garden	Erin
1	07/23/25	Tom Coyle/Firehouse 25	Erosion, Landscape issues	Thomas, Lexi
1	08/23/25	8290 Lake Shore Drive	Aquatic weeds	Thomas, Dave Maxwell PWC Public Works)
1	07/28/25	Unity Reed	Garden, erosion	Thomas, Alex M (PWSWCD), Aleta D (PWCS)
1	07/30/25	Westminster at Lake Ridge	Garden, erosion, pest control	Thomas
1	08/14/25	Stormwater Pond 5263	Aquatic weeds	Thomas
1	08/18/25	Osborn HS	Gardens	Thomas
1	08/26/25	Keys Farm	Gardens, Ag Use	Thomas, PWSWCD, PWC Parks
1	08/27/25	Light Ridge HS	Cover Crops	Thomas
1	08/28/25	VA Women and Family Support Center	Gardens	Thomas, Harriet
1	09/03/25	Potomac Shores MS	Gardens and Cover Crops	Thomas
1	09/09/25	Troutman Site Visit	Aquatic weeds	Thomas
1	09/09/25	Owens Sitie Visit	RPA and Erosion	Thomas
1	09/11/25	Innovation ES	Gardens	Thomas
1	09/11/25	Rachel Site Visit	Pond and erosion issues	Thomas
1	09/12/25	Various Parks and Rec Site	Community gardens	Thomas, Paige,Parks staff
2	10/25/25	Bartlett Farm Visit	Pond and erosion issues	Thomas
2	110/22/25	Potomac Shores MS	Cover Crops	Thomas
2	10/23/25	Dolphin Beach Montclair	Erosion, Landscape issues	Thomas, Alex M (PWSWCD), Nicole (PWSWCD)
3	03/04/26	P.Epstein Manassas	Erosion, Landscape issues, BL Implementation	Trish, G. Alapas
3	03/18/26	Saggers Farm	Erosion, invasive control	Thomas, Tom Dumbrowski (Public Works)
3	03/25/26	Paigeland	Pond and erosion issues	Trish, Noad Zenebe (PWDOT)
3	03/25/26	University Blvd	Pond and erosion issues	Trish, Noad Zenebe (PWDOT), Mo Ayyoubi (PWDOT)
3	03/31/26	Caudill Farm	Erosion, new vine siting	Thomas, Alex M (PWSWCD), Seth M (PWSWCD)
3	03/31/26	Galanis property - Briarmont Lane	Shrub disease and possible erosion issues	Thomas
4	04/02/26	Balls Ford Interchange PWC DOT site	Stormwater	Trish
4	04/02/26	Brentsville PWC DOT site	Stormwater	Trish
4	04/08/26	Potomac Shores MS	Cover Crops and Garden Development Planning	Thomas
4	04/10/26	Balls Ford Interchange PWC DOT site	Stormwater	Trish
4	04/10/26	Neabsco PWC DOT site	Stormwater	Trish
4	04/17/26	Taggart Farm	Erosion, developing new vineyard	Thomas, Alex (PWSWCD, Seth (PWSWCD)
4	04/17/26	Morgan Community Garden Site	Siting community garden	Thomas
4	04/17/26	Ortiz PWC DOT Site	Stormwater	Trish
4	04/23/26	Carters Mill HOA	Stromwater, Pond Weeds	Thomas
4	04/24/26	Montclair HOA	Stormwater	Trish
4	04/27/26	Vizar Farm	Tree Issues, Pastures, Drought	Thomas
4	05/03/26	Annapolis Pond Site PWC DOT	Stormwater	Trish
4	05/07/26	Sarah Sfreddo	Farm Visit - Erosion, Agritourism	Thomas
4	05/12/26	Pearson	Shrub, Turf Damage	Trish
4	05/20/26	Dana LeMaster	Farm Visit - Siting fields with erosion control in m	Thomas, Lexi, Robin F (MG), Alex M (PWSWCD)
4	05/20/26	Galanis property - Briarmont Lane	Invasive, Erosion	Trish
4	05/29/26	Marstellar MS	Hydroponics, Garden rehab	Thomas
4	06/05/26	Matt Allen/ Piedmont Meadows Farm	Assess Crop Damage	Thomas, Lexi
4	06/05/26	M. Thomas	Tree Issues,Shrub drought	Paige, Erin, Trish
4	06/12/26	Namchkin Site Visit	Turf Damage	Thomas, Lexi, Sifen
4	06/17/26	Nicole Ardito-Ng Farm	Equine issues	Thomas, Lexi, Sifen, Carly C (VCE Loudoun)

47 Site Visits

Date	Class	Attendees	# Clients Responding to Surveys	# Respondents Report intent to Adopt 40% of the Recommended Environmentally - Sound Practices	# Respondents Reporting that participating in this program changed the way they think about agriculture/ envrionment/ natural resources	# Respondents Reporting that As a result of this class they feel more confident handling plant and pest issues	Poor	Fair	Good	Excellent	type of class	H	I	J	K
4/6/2026	Vegetable Gardening	4	4	1	3	2		2	2		education	1			
4/9/2026	Vegetable Gardening	4	4	1	2	3			3	1	education	1			
4/11/2026	SATURDAY IN THE GARDEN (Kids hands-on planting?)	17	3	3	3	3				3	education	1			
4/12/2026	Plant Swap [Ask-A-MG Table] Bull Run Library	17									outreach	1			
4/15/2026	Gardening Basics: Vegtable Gardening 101	12									education	1			
4/18/2026	Potomac Library Garden Games	13									outreach	1			
4/18/2026	Spring Plant Clinic Tractor Supply (woodbridge/Manassas)	29									outreach	1			1
4/18/2026	Spring Plant Clinic Meadows Farms	41									outreach	1			1
4/21/2026	Lets Get Growing: Apartment Sized Edible Gardens	12	12	9	12	12				12	education	1			
4/24/2026	Manassas Park Last Friday (Arbor Day event)	49									outreach	1			1
4/25/2026	Spring Festival- MG Info table	87									outreach	1			1
4/25/2026	Let's Get Growing: Native Plants	12	12	10	9	9			1	10	education	1	1		
4/25/2026	Spring Plant Clinic Tractor Supply (woodbridge/Manassas)	5									outreach	1			1
4/25/2026	Spring Plant Clinic Meadows Farms	56									outreach	1			1
5/2/2026	Spring Plant Clinic Tractor Supply (woodbridge/Manassas)	25									outreach	1			1
5/2/2026	SATURDAY IN THE GARDEN (Art in the Garden)	15	13	13	13	13				13	education				
5/2/2026	Spring Plant Clinic Meadows Farms	4									outreach	1			1
5/7/2026	EMG Information Sessions (3)	42									training				
5/9/2026	Compost Day	101									outreach	1	1		1
5/9/2026	Plant a Seed	32									outreach	1			
5/9/2026	Plant Swap [Ask-A-MG Table] Bull Run Library										outreach	1			1
5/9/2026	Spring Plant Clinic Tractor Supply (woodbridge/Manassas)	62									outreach	1			1
5/9/2026	Spring Plant Clinic Meadows Farms	56									outreach	1			1
5/10/2026	Plant Swap [Ask-A-MG Table] Haymarket/Gainesville										outreach	1			1
5/14/2026	Houseplants	3	0	0	0	0	0	0	0	0	education	1			
5/16/2026	National Kids to Park Day	144									outreach				1
5/20/2026	Gardening Basics: Controlling Pests & Weeds	10									training	1			
5/28/2026	Invasive Plants & Insects-- Ruritan Club	3	3	1	3	3				3	education	1	1		1
5/29/2026	PWC DSS All Staff	113									education				1
6/2/2026	VA Women & Famly Support Center Garden Talk										outreach	1			
6/3/2026	Gardening for Seniors (Gardening as We Age)	11	5	3	4	4			1	4	education	1			
6/4/2026	Gardening As We Age (Woodbridge Senior Ctr)	42	11	8	10	11			3	8	education	1			
6/6/2026	SATURDAY IN THE GARDEN (Gardening for Wildlife)	18	13	11	11	11			2	11	education	1			1
6/16/2026	Let's Get Growing: Garden Pests and How to Beat Them	7									outreach	1			1
6/17/2026	Gardening Basics: Gardening For Wildlife	25									education	1			1
6/20/2026	Manassas Bee Festival	148									outreach				1
6/22/2026	Gardening As We Age	20	15	10	13	13			4	10	education	1			
6/23/2026	Youth Trng for Master Gardeners	17									training				
		1256	95	70	83	84	0	2	16	75		32	3	0	20
							0	4	48	300					
				74%	**87%**	**88%**				93					
										352					
Education	14									**3.78**					
Outreach	19									**95%**					
Training	2														

Keep Prince William Beautiful

Keep Prince William Beautiful Annual Numbers: FY26

Total Number of Program Clean-up Events: 56 community events, 33 individual cleanup events (89 cleanup events total)

Total Number of Volunteers for all Clean-up Events: 1532

Total Litter Collected from All Activities (cubic yds): 7.73

FY26	
Adopt-a-Spot	94 spots
Cleanups	92 reported
Outreach/Education	655 people reached
Volunteers	237 new signed up
Storm Drain Labels	24 labeled
Compost	7269lbs food waste

Appendix R

Public Outreach Summary

FY26 Prince William County Public Outreach Strategy and Summary

Summary

This document outlines Prince William County's comprehensive public outreach strategy to meet the public education and involvement requirements of the County's MS4 permit. It aims to improve local water quality, increase community awareness, and foster public engagement.

1. Overview

Prince William County Public Works executes a multi-faceted outreach program that promotes environmental protection and stormwater management compliance through resident, business, and County employee engagement. Outreach initiatives align with MS4 permit requirements and incorporate best practices to prevent illicit discharges, promote pollution prevention, and encourage voluntary stewardship.

2. Purpose

To establish and maintain consistent procedures for:

- Promoting awareness of stormwater pollution issues.
- Providing clear reporting channels for illicit discharges.
- Encouraging public participation in water quality initiatives.
- Educating target audiences on pollution prevention techniques.
- Supporting voluntary implementation of BMPs.

3. Roles and Responsibilities

- **Environmental Management Division (EMD):** Oversees implementation, tracking, and annual reporting.
- **Communications Office:** Assists with distribution of outreach materials.
- **County Departments:** Collaborate on internal training and operational improvements.
- **Community Partners:** Support outreach through programs and funding partnerships.

4. Communication Methods

- County Website (including MS4 and Environmental Management pages)
- Email and Hotline Reporting Tools
- Educational Flyers, Brochures, and Door Hangers
- Social Media and Newsletter Distribution
- Signage and Drain Markers
- Public Events and Volunteer Opportunities
- Online Training Platforms

5. Outreach Activities by Category

5.1 Promote Public Reporting and Recognition of Illicit Discharges

Residents:

- Maintain informational website pages on illicit discharges and pollution prevention.

- Distribute brochures/flyers explaining stormwater impacts.

- Provide hotline and email for incident reporting.

Businesses/Industries:

- Share educational material during field inspections.

- Distribute warning and violation letters with pollution prevention guidance.

County Government:

- Offer online training to staff about illicit discharge and pollution prevention.

- Implement and maintain SWPPPs at high-risk facilities.

FY26 Activities Summary:

1. *Distribution of educational illicit discharge pamphlets to residents and businesses*
2. *Riverfest Event at Town of Occoquan*
3. *Trick or Treatment Event in collaboration with Prince William Water*
4. *Meaningful Watershed Educational Experiences at Prince William County Schools*
5. *Creek Week at Prince William Forest Park*
6. *Occoquan Fall Arts & Crafts Show*
7. *Hylton High School Presentations*

8. *Volunteer Bandalong Cleanout each month*
9. *Volunteer Stream Cleanups hosted throughout the County*
10. *Dumpster Day Events*
11. *2026 Neighborhood Conference*
12. *Compost Day Event*
13. *GovFest*

5.2 Promote Involvement in Local Water Quality Improvement Projects

Residents:

- Maintain educational web content on home-based BMPs.

- Promote recycling and hazardous waste drop-off events.

- Partner with community groups (e.g., Adopt-a-Stream, floatable and water quality monitoring).

Businesses/Industries:

- Collaborate on cleanup efforts.

- Recognize volunteer efforts with Green Community Award.

County Government:

- Fund and coordinate volunteer events and educational initiatives.

FY26 Activities Summary:

1. *Bandalong cleanouts once a month with volunteer residents*
2. *Volunteer planting and invasive removal events at Bristoe Station Battlefield*
3. *Volunteer planting of rain garden at County Complex*
4. *Volunteer stream cleanups hosted throughout the County*
5. *Prince William County Schools Science Fair*
6. *Student Environmental Action Showcase*
7. *2026 Native Plant Symposium*
8. *G.R.E.A.T. Math Minds Family S.T.E.A.M. Event*
9. *Hylton High School Presentations*

10. *Volunteer Sida Planting Events at Powell's Creek and Leesylvania State Park*
11. *Volunteer Stream Cleanups hosted throughout the County*
12. *Earth Day tree sapling and native plant giveaway*
13. *4H Tree Planting Project*
14. *Hosted invasive plant class*
15. *Volunteer Mussel Monitoring Events*
16. *SWCD Volunteer recognition dinner*
17. *Native Plant Protection Event*

5.3 Promote Integrated Management Practices for Golf Courses

Businesses/Industries:

- Provide technical support and maintain relationships with golf course managers.

County Government:

- Require nutrient management plans for all courses discharging to the MS4.

Ensure staff are trained in IPM techniques and proper application methods.

FY25 Activities Summary:

5.4 Promote Good Housekeeping Practices

Residents:

- Provide resources on pet waste, composting, and yard waste disposal.
- Promote good housekeeping tip sheets online and at community events.

Businesses/Industries:

- Distribute flyers to landscapers and shopping centers on best practices.

County Government:

- Enforce protocols for vehicle washing and materials handling.
- Conduct inspections and maintain spill prevention measures at high-risk sites.
- Provide staff training and enforce safety protocols.
- Continuously evaluate and improve BMP implementation.

FY26 Activities Summary:

1. *2026 Native Plant Symposium*
2. *Distribution of flyers and letters to businesses/shopping centers regarding winter salt usage*
3. *Dumpster Day Events*
4. *2026 Neighborhood Conference*
5. *Compost Day Event at PWC Compost Facility*

5.5 Encourage Voluntary Stormwater Management Techniques on Private Property

Residents:

- Promote VCAP participation via brochures, conferences, and outreach.

- Educate on native planting and lawn conversion.

Businesses/Industries:

- Encourage conversion to native vegetation and reforestation.

- Promote BMPs through technical assistance and funding opportunities.

County Government:

- Implement stream restoration and stormwater retrofits.

- Incorporate reforestation into construction practices.

FY26 Activities Summary:

1. *2026 Native Plant Symposium*
2. *Volunteer Planting of Stormwater Garden at County Complex*
3. *Earth Day Event – Tree Sapling & Native Plant Giveaway*
4. *Farmers and Landowner Annual meeting*
5. *Dumpster Day Events*
6. *2026 Neighborhood Conference*
7. *GovFest*

5.6 Internal County Government Training and Compliance

County Government:

- Biannual Training on Illicit Discharge

- Maintain SWPPPs and ensure facility compliance.

- Conduct regular site inspections and housekeeping reviews.

- Provide spill kits and annual spill response training.

- Host annual Earth Day event for County employees.

FY26 Activities Summary:

1. *County personnel training on winter salting*
2. *Illicit discharge and MS4 compliance training*
3. *Good housekeeping inspections – salt piles, fuel tanks, stockpiles, etc.*
4. *GovFest*
5. *See Appendix S of this annual report for a summary of County training activities*

6. Procedures and Frequency for Public Engagement Updates

- Update website content semi-annually.
- Publish newsletters at least quarterly.
- Track hotline and email reports monthly.
- Conduct annual review of outreach strategies.
- Submit outreach summary annually as part of MS4 report.

7. Summary of Program Effectiveness

Prince William County evaluated the effectiveness of its public outreach and involvement program during the FY26 reporting period. The evaluation considered the implementation of planned outreach activities, the variety of communication methods used, participation in public education and volunteer opportunities, and continued engagement with residents, businesses, schools, County employees, and community partners.

Based on this evaluation, the County determined that the public outreach program continued to effectively meet its objectives during the reporting period. Outreach activities were conducted across multiple target audiences and addressed key MS4-related topics,

including illicit discharge reporting, pollution prevention, good housekeeping, stormwater management practices, and protection of local water resources. The County also continued to provide opportunities for public participation through educational events, volunteer cleanups, water quality projects, training activities, and community partnerships.

The County will continue to evaluate outreach activities annually and use participation, feedback, reporting trends, and other available information to identify opportunities for improvement. Based on the FY26 evaluation, no significant changes to the overall outreach strategy were determined to be necessary, and the County will continue implementing and refining the program during the next reporting period.

Appendix S

County Training Summary

FY26 Training Summary

As part of Prince William County's Municipal Separate Storm Sewer System (MS4) Program, staff participated in a variety of training opportunities during Fiscal Year 2026 (July 1, 2025 – June 30, 2026). These trainings support compliance with MS4 permit requirements by ensuring employees are knowledgeable in spill prevention, illicit discharge detection and elimination, and environmental management practices. In total, 395 staff members participated in stormwater and environmental compliance trainings during FY26.

Table 1. FY25 Training Participation

Training Course	Delivery Method	Number of Participants
Chemical Response Training	In-Person	15
Environmental Management Systems (EMS) Refresher	In-Person	135
Fuel Tank Inspection Hands-On Training	In-Person	0
Healthier Hydration and IDDE Event	In-Person	20
Introduction to PWC's Environmental Management System	Online	0
Oil Spill Prevention, Control and Countermeasures	Online	3
Spill Prevention, Control, and Countermeasure (SPCC) Training	Online	0
Spill Prevention, Control, and Countermeasure (SPCC) Training	In-Person	52
Spring 2026 DSB Pollinator Garden	In-Person	10
THRIVE Newsletter Activity – Illicit Discharge Prevention at PWC Sites	Newsletter Activity	81

THRIVE Webinar – Illicit Discharge Prevention at PWC Sites	Online	66
Virginia Department of Transportation (VDOT) Discharge Detection and Elimination Training	Online	0
Watershed Illicit Discharge Prevention Training	Online	13
	Total	**395**

Appendix T

Staff Certification Summary

Site Inspector Certifications

Name	Certification	Number	Exp. Date
Vijay Dindigal	Professional Engineer	402048764	6/30/2027
Principal Engineer	Land Surveyor	403002810	6/30/2028
	DEQ-Dual Combined Adminstrator	DCA 0563	11/12/2028
Robert Cook	DEQ Dual Inspector	DIN0533	7/11/2028
Supervisor (West)	DEQ Qualified Personnel	QP00261	4/7/2028
	DEQ Qualified Personnel	QP00261	4/7/2028
Stefan Gitchev	DEQ Dual Inspector	DIN0535	10/3/2027
Supervisor (East)	DEQ Dual Program Admin	DPA0172	7/29/2027
	DEQ ESC Plan Reviewer	ESPR0558	3/28/2028
	DEQ Qualified Personnel	QP00630	4/18/2028
Shawn Wray	DEQ Dual Inspector	DIN0927	10/15/2027
CCTV - Storm Drainage	DEQ Dual Program Admin	DPA0176	4/14/2028
Special projects	DEQ Qualified Personnel	QP00959	5/9/2028
Philip Darko	DEQ Dual Inspector	DIN0538	1/28/2028
Inspector (West)	DEQ Dual Program Admin	DPA0154	11/7/2026
	DEQ ESC Plan Reviewer	ESPR0563	4/9/2028
	DEQ Qualified Personnel	QP00701	4/22/2028
Morris Gilbert	DEQ SWM Inspector	SWIN2944	4/4/2027
Inspector (West)	DEQ ESC Inspector	ESIN3189	10/25/2027
Amadu Jalloh-Jamboria	DEQ Dual Inspector	DIN2084	7/28/2029
Inspector (West)	DEQ Qualified Personnel	QP00843	4/23/2028
Jalal Qaradaghi	DEQ Dual inspector	DIN0536	11/30/2028
Inspector (West)	DEQ Qualified Personnel	OP00843	5/1/2028
Roger Barnes	DEQ Dual Inspector	DIN0220	10/27/2027
Inspector (East)	DEQ Qualified Personnel	QP00727	4/23/2028
Thomas French	DEQ Dual Inspector	DIN1764	10/25/2028
Inspector (East)	DEQ Qualified Personnel	QP00717	4/23/2028
Adnan Manzoor			
Inspector (East)	DEQ Dual Inspector	DIN1979	2/6/2027
	DEQ Qualified Personnel	QP00764	4/25/2028
Mick Tilley	DEQ Dual Inspector	DIN1234	11/4/2027
Inspector (East)	DEQ Qualified Personnel	QP00719	4/23/2028
Mohd. Ameer	DEQ Erosion and Sediment Control Inspector	ESIN 3847	6/18/2029

Plan Reviewer Certifications

Name	Certification	Number	Exp. Date
Raj Bidari	DEQ Dual Plan Reviewer	DPR0117	12/28/2027
Engineer Manager Plan Reviewer	DEQ SWM Program Administrator	SWP0156	3/9/2028
Bodha Adhikari	DEQ Dual Combined Administrator	DCA0323	12/29/2026
Sr. Engineer - Geotechnical			
Youssef Djebbari	DEQ SWM Plan Reviewer	SWPR0217	4/18/2028
Sr Engineer	DEQ SWM Program Administrator	SWPA0165	9/3/2028
Michael El-Hage	DEQ SWM Plan Reviewer	SWPR0213	4/2/2028
Principal Engineer	DEQ E&S Control Combined Admin	304	11/30/2029
Mirza Baig	DEQ Combined Administrator	DCA0188	10/22/2027
Principal Engineer			
Jakish Hirachan	DEQ SWM Plan Reviewer	SWPR0781	6/6/2028
Principal Engineer			

Appendix U

Wet Weather Monitoring Report

Wet Weather Monitoring Report

Third Quarter 2025 (July 1 – September 30)
Event Date: Dale City October 29 and
Manassas Make-Up Event December 18

Prepared for:

Prince William County Department of Public Works
5 County Complex Court, Suite 170
Prince William, Virginia 22192

Prepared by:
WSP USA Environment & Infrastructure, Inc.
13530 Dulles Technology Drive, Suite 300
Herndon, VA 20171
(703) 742-5700

March 10, 2026
Project No. US0039765.6753

1.0 INTRODUCTION

WSP USA Environment & Infrastructure Solutions, Inc. (WSP) conducts quarterly wet weather monitoring at two outfall sites to support Prince William County in compliance with the requirements of the Virginia Stormwater Management Program (VSMP) Municipal Separate Storm Sewer System (MS4) Permit (Number VA0088595), issued by the Virginia Department of Environmental Quality (VDEQ) to Prince William County, Virginia. This report discusses the results of the Q3 sampling event that occurred from October 29, 2025 to October 30, 2025 at the Dale City monitoring site and the make-up sampling event that occurred from December 18, 2025 to December 20, 2025 at the Manassas monitoring site.

2.0 METHODS

Flow rate data were collected at the outfalls by an ISCO 6712 automated sampler coupled with an ISCO 730 bubbler flow module, installed with a Scissors Ring. Flow rate over the course of the sampling events were electronically calculated using ISCO Flowlink 5.1 software, which utilizes the Manning Equation to convert flow level and velocity to flow rate. Replacement ISCO 730 bubble flow modules have been installed at both sites beginning in Q1 of 2023.

SITE #941; MANASSAS, VA

Site #941 is located near 11850 Livingston Road. The site receives a total of 52 acres of upstream drainage area from a land surface that is 34% impervious. County data documents that the pipe is 54 inches in diameter with a slope of 0.03437. This site is subject to backwater conditions as water levels within the downstream pond have risen over the previous two years. Maintenance is recommended to ensure the continued efficacy of the monitoring program at this site. Backwater at the site extends too far upstream into the pipe and would require confined space entry to install equipment. Accommodations are made in the sampling program, as described in further detail in the following section.

SITE #4684; DALE CITY, VA

Site #4684 is located near the corner of Potomac Center Blvd. and Sheffield Hill Way, north of Eastbourne Drive. It drains into a regional detention pond for the Potomac Club residential development. Upstream drainage totals 51 acres, 21% of which is from impervious surfaces. The pipe is 54 inches in diameter with a slope of 0.002593. Storm events at this site are flashy in nature, which is accounted for by programming shorter sample intervals, if necessary, based upon forecast conditions.

The automated samplers were deployed when a qualifying storm event (>0.3 inches precipitation) was forecast for the two monitoring sites. WSP staff deployed the samplers at both the Dale City site on October 29, 2025, and at the Manassas site on December 18, 2025, programmed the samplers' automated, discrete sampling sequence to initiate upon flow levels exceeding current water levels in each pipe.

Rain gauge data were compiled from monitoring stations in the Weather Underground monitoring network. The data are accessible online and provided hourly precipitation totals over the monitoring period. Gages are prioritized based on the makeup of the data record (reporting interval) and proximity to monitoring locations.

Following the storm event, staff retrieved the samples and prepared them for shipment to Pace Analytical for water quality analysis. To compile the complete set of discrete samples into a single

flow-weighted composite, Flowlink software calculated the storm event discharge using the Manning Equation:

Equation 1: Manning Equation used to calculate flow rate.

$$Q = VA = \left(\frac{1.49}{n}\right) A R^{\frac{2}{3}} \sqrt{S} \text{ [US]}$$

Q = Flow rate
A = Flow area
V = Avg. velocity
S = Water surface slope
R = Hydraulic Radius
n = Roughness coefficient
1.49 = English units conversion factor

Channel slopes were determined using invert elevations reported in the stormwater infrastructure geospatial data provided by Prince William County. Using flow levels reported by the ISCO samplers, the area and hydraulic radius inside the sampled outfalls could be computed for a given time interval. A Manning's *n* value of 0.013 was assumed for the concrete pipes[1]. Two sampling programs were implemented to accommodate for different conditions between the sites.

Manassas Sampling Program

Although a replacement bubbler module has been installed, the ponded site conditions continue to provide inaccurate water level readings at the Manassas site and fluctuates during static water conditions. To accommodate the unreliable equipment readings due to the site conditions, the ISCO sampler at the Manassas site was programed to collect on a time-paced program. Samples were collected at a pre-set time interval over the course of the storm.

During the event, the sampling was set as a time-paced program to collect discrete samples every 30 minutes, then composited into a single container.

Dale City Sampling Program

During the event, the sampler at Dale City was programed to collect on a time-paced program. The sampler collected discrete samples every 30 minutes, then composited into a single container.

[1] Chow, V.T. (1959) Open Channel Hydraulics. McGraw-Hill, New York.

3.0 RESULTS

SITE #941; MANASSAS, VA

Sampling occurred from 20:00 on December 18, 2025 to 7:30 on December 19, 2025. Weather Underground Station KVAMANAS91 in Manassas, VA recorded 0.28 inches of precipitation over this same period. The previous storm event was recorded on December 2, 2025, producing 0.88 inches of precipitation.

SITE #4684; DALE CITY, VA

Sampling occurred from 22:20 on October 29, 2025 to 15:40 on October 30, 2025. Weather Underground Station KVAWOODB86 in Woodbridge, VA recorded 0.94 inches of precipitation over this same period. The previous storm event was recorded on October 19-20, 2025, producing 0.28 inches of precipitation.

Samples from both sites were retained under refrigeration until they were composited and shipped overnight to Pace Analytical Services in Asheville, NC. The Manassas samples arrived at the laboratory outside of the temperature specifications for all the analytical methods except metals. Samples were received by the lab, transferred to cold storage and analyzed with the caveat that all, but the metals analysis method are outside of temperature specifications.

3.1 FLOW DATA

SITE #941; MANASSAS, VA

Flow rate reached 13.117 cfs. The storm event hydrograph compared with cumulative volume can be seen in Figure 1. Table 1 lists the proportion of each sample mixed with the flow-weighted composite. The flow-weighted composite volume was adjusted to incorporate representative volumes from the collected samples.

Flow rate and volume are calculated by measuring changes in water level over time. Backwater effects are impacting flow meter readings at the outfall point of discharge. Backwater conditions cause elevated readings for flow volume and flow rate.

Figure 1: Flow data over time for the storm event at Site #941 on December 18 – December 19, 2025

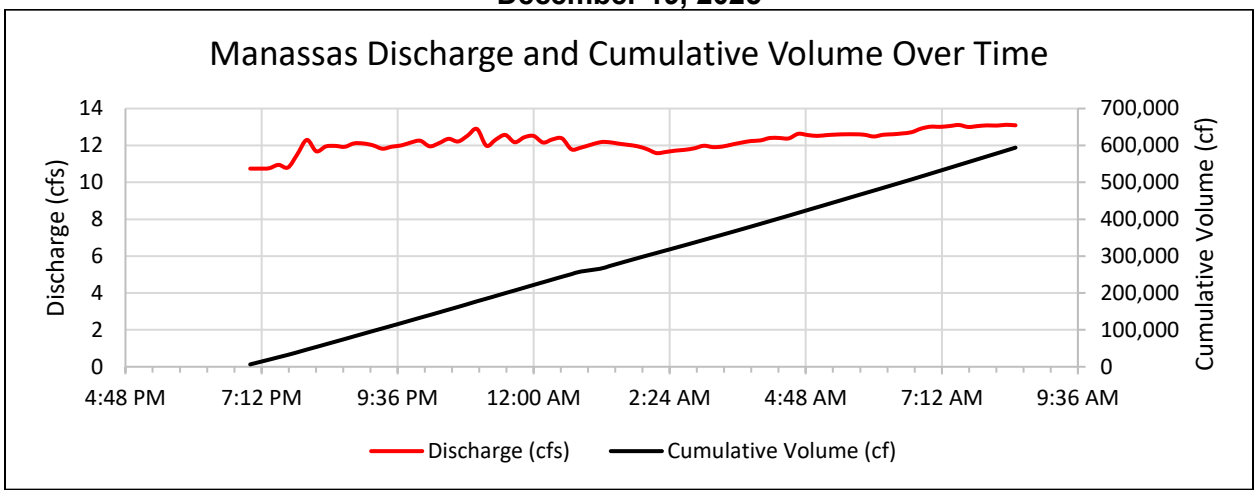


Table 1: Summary of Flow Weighted Composite – Site #941

Bottle #	Time of Sample	Volume (cf)	% of Flow	Flow Weighted Volume (mL)*
1	12/18/2025 20:00	7380.22	4.16%	208
2	12/18/2025 20:30	7184.15	4.05%	202
3	12/18/2025 21:00	7262.38	4.09%	205
4	12/18/2025 21:30	7159.76	4.03%	202
5	12/18/2025 22:00	7353.16	4.14%	207
6	12/18/2025 22:30	7414.7	4.18%	209
7	12/18/2025 23:00	7734.74	4.36%	218
8	12/18/2025 23:30	7540.73	4.25%	212
9	12/19/2025 0:00	7508.55	4.23%	211
10	12/19/2025 0:30	7429.49	4.18%	209
11	12/19/2025 1:00	7171.95	4.04%	202
12	12/19/2025 1:30	7257.48	4.09%	204
13	12/19/2025 2:00	7079.46	3.99%	199
14	12/19/2025 2:30	7030.94	3.96%	198
15	12/19/2025 3:00	7189.03	4.05%	202
16	12/19/2025 3:30	7230.57	4.07%	204
17	12/19/2025 4:00	7363	4.15%	207
18	12/19/2025 4:30	7429.49	4.18%	209
19	12/19/2025 5:00	7511.02	4.23%	212
20	12/19/2025 5:30	7563.04	4.26%	213
21	12/19/2025 6:00	7491.23	4.22%	211
22	12/19/2025 6:30	7590.34	4.28%	214
23	12/19/2025 7:00	7809.76	4.40%	220
24	12/19/2025 7:30	7864.9	4.43%	221

*5.0 L sample

SITE #4684; DALE CITY, VA

Flow rate reached 9.035 cfs. The storm event hydrograph compared with cumulative volume can be seen in Figure 2. Table 2 lists the proportion of each sample mixed with the flow-weighted composite. The flow-weighted composite volume was adjusted to incorporate representative volumes from the collected samples.

Figure 2: Flow data over time for the storm event at Site #4684 on October 29 – October 30, 2025

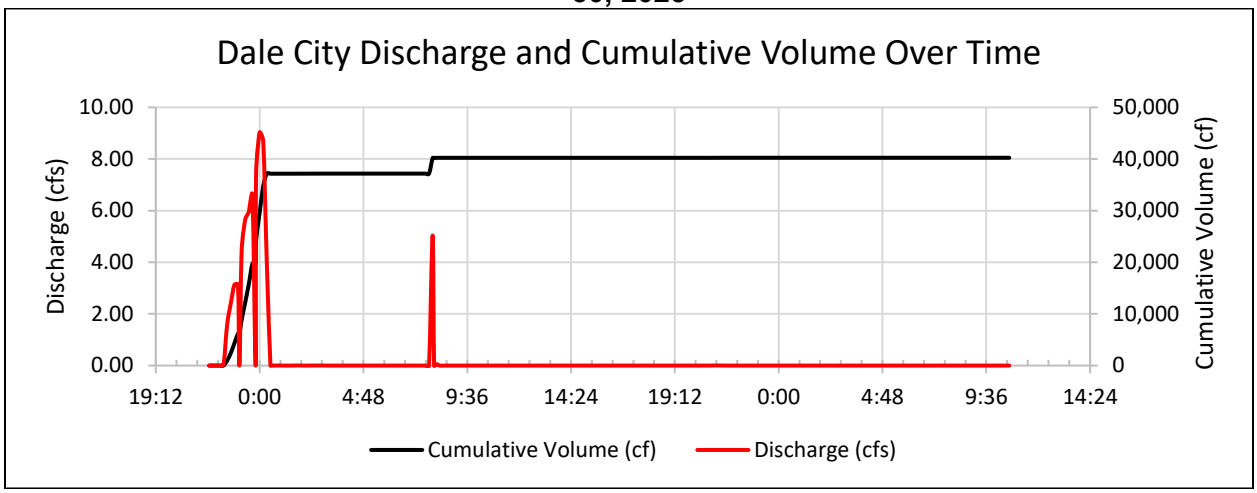


Table 2: Summary of Flow Weighted Composite – Site #4684

Bottle #	Time of Sample	Volume (cf)	% of Flow	Flow Weighted Volume (mL)*
1	10/29/2025 22:20	28.66	0.40%	8
2	10/29/2025 23:10	2642.58	37.21%	744
3	10/29/2025 23:50	4391.91	61.84%	1237
4	10/30/2025 0:40	1.00	0.01%	0
5	10/30/2025 1:20	0.00	0.00%	0
6	10/30/2025 2:10	0.05	0.00%	0
7	10/30/2025 2:50	3.83	0.05%	1
8	10/30/2025 3:40	0.00	0.00%	0
9	10/30/2025 4:20	0.00	0.00%	0
10	10/30/2025 5:10	0.00	0.00%	0
11	10/30/2025 5:50	0.00	0.00%	0
12	10/30/2025 6:40	0.00	0.00%	0
13	10/30/2025 7:20	0.00	0.00%	0
14	10/30/2025 8:10	34.36	0.48%	10
15	10/30/2025 8:50	0.00	0.00%	0
16	10/30/2025 9:40	0.00	0.00%	0
17	10/30/2025 10:20	0.00	0.00%	0
18	10/30/2025 11:10	0.00	0.00%	0
19	10/30/2025 11:50	0.00	0.00%	0
20	10/30/2025 12:40	0.00	0.00%	0
21	10/30/2025 13:20	0.00	0.00%	0
22	10/30/2025 14:10	0.00	0.00%	0
23	10/30/2025 14:50	0.00	0.00%	0
24	10/30/2025 15:40	0.00	0.00%	0

*2.0 L sample
**Each sample bottle contains 900 ml. Remaining 337ml is from sample bottle 4.

3.2 LABORATORY ANALYTICAL RESULTS

Samples were sent to Pace Analytical Services, Inc. lab in Asheville, NC for analysis, with Analytical Parameters tested listed in **Table 3**.

Table 3: Analytical Parameters

Analyte	Analysis Method
Copper	EPA 200.7
Lead	EPA 200.7
Nickel	EPA 200.7
Zinc	EPA 200.7
Total Suspended Solids	SM 2540D
pH	EPA 9040
Ammonia	EPA 350.1 1993 Rev 2.0
Total Kjeldahl Nitrogen	EPA 351.2
Nitrate + Nitrite Nitrogen	EPA 353.2
Total Phosphorus	EPA 365.1
Chemical Oxygen Demand	SM 5220D

Table 4: Results of Water Quality Analysis

	Analyte	Analyte Value*	Analyte Unit	Reporting Limit	Exceedance Criterion	Criterion Basis
Manassas (#941)	Copper	155	µg/L	6.0	13	a
	Lead	16.1	µg/L	10.0	120	a
	Nickel	12.7	µg/L	5.0	180	a
	Zinc	330	µg/L	20.0	120	a
	Total Suspended Solids	86.2	mg/L	4.0	100	b
	Nitrogen, Ammonia	1.6	mg/L	0.10	-	-
	Nitrogen, Kjeldahl, Total	11.4	mg/L	0.50	-	-
	Nitrogen, NO_2 plus NO_3	0.51	mg/L	0.040	-	-
	Total Nitrogen	11.9	mg/L	0.040	2.2	c
	Phosphorus, Total	0.35	mg/L	0.050	2	b
	Chemical Oxygen Demand	422	mg/L	25	120	b
	pH	6.9	Std. Units	0.10	6.0-9.0	d
Dale City (#4684)	Copper	7.8	µg/L	2.5	13	a
	Lead	0.67	µg/L	0.50	120	a
	Nickel	ND	µg/L	2.5	180	a
	Zinc	75.5	µg/L	5.0	120	a
	Total Suspended Solids	16.8	mg/L	1.0	100	b
	Nitrogen, Ammonia	ND	mg/L	0.10	-	-
	Nitrogen, Kjeldahl, Total	0.87	mg/L	0.10	-	-
	Nitrogen, NO_2 plus NO_3	0.31	mg/L	0.50	-	-
	Total Nitrogen	1.2	mg/L	0.040	2.2	c
	Phosphorus, Total	ND	mg/L	0.050	2	b
	Chemical Oxygen Demand	68.0	mg/L	25.0	120	b
	pH	6.9	Std. Units	2.5	6.0-9.0	d

[a] State Water Quality Control Board Acute Standards for Surface Water Quality. Value is based on an assumed hardness of 100 mg/L.
[b] Based on benchmark criteria for the VPDES Industrial Stormwater General Permit.
[c] The sum of Nitrogen as Ammonia, NO_2, NO_3, and Total Kjeldahl Nitrogen.
[d] Based on numeric effluent limitations noted in the VPDES Permit for Discharge of Stormwater Associated with Industrial Activity.
* Values highlighted in red were found to be in exceedance of their respective criterion.
ND = The analyte was not detected above specified reporting limit.

4.0 SUMMARY

There was an exceedance for Copper, Zinc, and Chemical Oxygen Demand at the Manassas (#941) site during the 2025 Q3 sampling event. Exceedance tracking for parameters of concern are illustrated in **Figure 3** below.

Figure 3: Exceedance Tracking for the Wet Weather Monitoring Program

Manassas (#941)

	2016		2017				2018				2019				2020				2021				2022				2023				2024				2025		
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Copper	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x			x	x		x	x	x	x	x	x	x			x	x	x	x
Lead																																					
Nickel																																					
Zinc	x		x	x	x	x	x	x							x	x							x	x											x		x
Total Suspended Solids						x	x								x	x							x	x							x				x		
Total Nitrogen					x	x	x				x												x	x			x								x		
Phosphorus, Total																																					
Chemical Oxygen Demand		x				x	x								x								x	x											x		x
pH						x												x																			

Dale City (#4684)

	2016		2017				2018				2019				2020				2021				2022				2023				2024				2025		
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2*	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Copper	x		x	x	x	x	x	--		x	x											x	x	x				x			x				x		
Lead								--																													
Nickel								--																													
Zinc			x		x	x	x	--																							x				x		
Total Suspended Solids						x		--																											x		
Total Nitrogen	x	x	x	x		x	x	--			x																			x					x		
Phosphorus, Total								--																													
Chemical Oxygen Demand						x	x	--																											x		
pH		x		x		x		--									x					x															

* No sample collected at #4684 during Q2 2018.

APPENDIX A

PHOTO LOG OF SITE CONDITIONS

Wet Weather Monitoring Q3 Report
Prince William County, VA
Photographic Log

Site: Dale City Station

Photo: 1

Date: 10/29/2025

Description: Dale City outfall, downstream.

Prince William County Wet Weather Monitoring Q3 March 10, 2026
Project No. US0039765.6753 Prince William County, VA

	Site: Manassas Station **Photo: 2** **Date: 12/18/2025** **Description:** Manassas sampler set up overview.
	Site: Manassas Station **Photo: 3** **Date: 12/18/2025** **Description:** Manassas outfall. Note ponded water and graffiti on headwall.

APPENDIX B

WATER QUALITY LABORATORY RESULTS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

February 03, 2026

Ilana Ton
WSP USA
13530 Dulles Technology Drive
Suite 300
Herndon, VA 20171

RE: Project: Prince William County
Pace Project No.: 92836494

Dear Ilana Ton:

Enclosed are the analytical results for sample(s) received by the laboratory on December 24, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Eden
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Taylor M Cannon
taylor.cannon@pacelabs.com
704-977-0943
Project Manager

Enclosures

cc: Garrett Stewart, WSP USA

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CERTIFICATIONS

Project: Prince William County
Pace Project No.: 92836494

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
DoD Certification via A2LA #: 2926.01
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
ISO/IEC 17025 Certification via A2LA #: 2926.01
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification via A2LA #: R-036
North Dakota Certification via MN #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification via A2LA #: 2926.01
USDA Permit #: P330-19-00208

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Eden

205 East Meadow Road Suite A, Eden, NC 27288
North Carolina Drinking Water Certification #: 37738
North Carolina Wastewater Certification #: 633
Virginia/VELAP Certification #: 460025

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SAMPLE ANALYTE COUNT

Project: Prince William County
Pace Project No.: 92836494

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92836494001	**DAL**	EPA 350.1 Rev 2.0 1993	JMM2	1	PASI-E
		EPA 200.8	DJM, GAS1	4	PASI-M
		SM 2540D-2020	CDM	1	PASI-A
		EPA 9040C	ANG	1	PASI-A
		TKN+NO3+NO2 Calculation	EWS	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	EGC	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	JP1	1	PASI-A
92836494002	**MAN**	EPA 350.1 Rev 2.0 1993	JMM2	1	PASI-E
		EPA 200.8	DJM, GAS1	4	PASI-M
		SM 2540D-2020	CDM	1	PASI-A
		EPA 9040C	ANG	1	PASI-A
		TKN+NO3+NO2 Calculation	MDW	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	EGC	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	JP1	1	PASI-A

PASI-A = Pace Analytical Services - Asheville
PASI-E = Pace Analytical Services - Eden
PASI-M = Pace Analytical Services - Minneapolis

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Date: February 03, 2026

Samples were received outside of the method specified temperature range for all analyses, excluding metals. Client requested to proceed with analyzing the sample group out of temperature spec. Once received by the lab, samples were transferred to cold storage.

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 350.1 Rev 2.0 1993**
Description: 350.1 Ammonia EDN
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 350.1 Rev 2.0 1993 by Pace Analytical Services Eden. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 200.8**
Description: 200.8 MET ICPMS
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 200.8 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **SM 2540D-2020**
Description: 2540D TSS, Low-Level
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for SM 2540D-2020 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 9040C**
Description: 9040 pH
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 9040C by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H3: Sample was received or analysis requested beyond the recognized method holding time.
- DAL (Lab ID: 92836494001)
- MAN (Lab ID: 92836494002)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **TKN+NO3+NO2 Calculation**
Description: Total Nitrogen Calculation
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for TKN+NO3+NO2 Calculation by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 351.2 Rev 2.0 1993**
Description: 351.2 Total Kjeldahl Nitrogen
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 351.2 Rev 2.0 1993 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 351.2 Rev 2.0 1993 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 984665

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92837529001,92837529002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 5062337)
  - Nitrogen, Kjeldahl, Total
- MSD (Lab ID: 5062338)
  - Nitrogen, Kjeldahl, Total

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 353.2 Rev 2.0 1993**
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 353.2 Rev 2.0 1993 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 365.1 Rev 2.0 1993**
Description: 365.1 Phosphorus, Total
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 365.1 Rev 2.0 1993 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 365.1 Rev 2.0 1993 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 981485

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92835285001,92835286002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 5047045)
  - Phosphorus
- MSD (Lab ID: 5047046)
  - Phosphorus
- MSD (Lab ID: 5047048)
  - Phosphorus

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **SM 5220D-2011**
Description: 5220D COD
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for SM 5220D-2011 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with SM 5220D-2011 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Prince William County
Pace Project No.: 92836494

Sample: DAL **Lab ID: 92836494001** Collected: 12/22/25 16:05 Received: 12/24/25 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia EDN	Analytical Method: EPA 350.1 Rev 2.0 1993 Pace Analytical Services - Eden							
Nitrogen, Ammonia	**0.14**	mg/L	0.10	1		12/26/25 12:07	7664-41-7	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**15.0**	ug/L	1.0	1	12/31/25 05:45	01/02/26 12:57	7440-50-8	
Lead	**0.71**	ug/L	0.50	1	12/31/25 05:45	12/31/25 15:19	7439-92-1	
Nickel	**3.2**	ug/L	0.50	1	12/31/25 05:45	12/31/25 15:19	7440-02-0	
Zinc	**119**	ug/L	5.0	1	12/31/25 05:45	12/31/25 15:19	7440-66-6	
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020 Pace Analytical Services - Asheville							
Total Suspended Solids	**12.0**	mg/L	2.0	1		12/27/25 10:15		
9040 pH	Analytical Method: EPA 9040C Pace Analytical Services - Asheville							
pH at 25 Degrees C	**6.9**	Std. Units	0.10	1		01/05/26 17:52		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation Pace Analytical Services - Asheville							
Total Nitrogen	**1.5**	mg/L	0.040	1		01/14/26 14:32		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**1.1**	mg/L	0.50	1	01/05/26 16:00	01/06/26 04:44	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.40**	mg/L	0.040	1		12/31/25 15:18		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Phosphorus	ND	mg/L	0.050	1	12/26/25 16:10	12/26/25 20:40	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011 Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**48.0**	mg/L	25.0	1	01/01/26 01:59	01/01/26 05:21		

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ANALYTICAL RESULTS

Project: Prince William County
Pace Project No.: 92836494

Sample: MAN **Lab ID: 92836494002** Collected: 12/22/25 16:32 Received: 12/24/25 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia EDN	Analytical Method: EPA 350.1 Rev 2.0 1993 Pace Analytical Services - Eden							
Nitrogen, Ammonia	**1.6**	mg/L	0.10	1		12/26/25 12:10	7664-41-7	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**155**	ug/L	2.0	2	12/31/25 05:45	01/02/26 13:10	7440-50-8	
Lead	**16.1**	ug/L	0.50	1	12/31/25 05:45	12/31/25 15:05	7439-92-1	
Nickel	**12.7**	ug/L	0.50	1	12/31/25 05:45	12/31/25 15:05	7440-02-0	
Zinc	**330**	ug/L	5.0	1	12/31/25 05:45	12/31/25 15:05	7440-66-6	
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020 Pace Analytical Services - Asheville							
Total Suspended Solids	**86.2**	mg/L	7.7	1		12/27/25 10:15		
9040 pH	Analytical Method: EPA 9040C Pace Analytical Services - Asheville							
pH at 25 Degrees C	**6.9**	Std. Units	0.10	1		01/05/26 17:55		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation Pace Analytical Services - Asheville							
Total Nitrogen	**11.9**	mg/L	0.040	1		01/15/26 14:53		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**11.4**	mg/L	0.50	1	01/14/26 21:14	01/15/26 06:03	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.51**	mg/L	0.040	1		12/31/25 15:21		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Phosphorus	**0.35**	mg/L	0.050	1	12/26/25 16:10	12/26/25 20:41	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011 Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**422**	mg/L	25.0	1	01/01/26 01:59	01/01/26 05:21		

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 981553
QC Batch Method: EPA 350.1 Rev 2.0 1993
Analysis Method: EPA 350.1 Rev 2.0 1993
Analysis Description: 350.1 Ammonia, EDN
Laboratory: Pace Analytical Services - Eden
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5047245
Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	12/26/25 11:48	

LABORATORY CONTROL SAMPLE: 5047246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5047247 5047248

Parameter	Units	92836238002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Ammonia	mg/L	ND	5	5	5.2	5.1	103	103	90-110	0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5047249 5047250

Parameter	Units	92836242001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Ammonia	mg/L	1.94	5	5	7.1	7.1	102	102	90-110	0	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 1047096
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5448207
Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	1.0	12/31/25 14:56	
Lead	ug/L	ND	0.50	12/31/25 14:56	
Nickel	ug/L	ND	0.50	12/31/25 14:56	
Zinc	ug/L	ND	5.0	12/31/25 14:56	

LABORATORY CONTROL SAMPLE: 5448208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	100	105	105	85-115	
Lead	ug/L	100	100	100	85-115	
Nickel	ug/L	100	103	103	85-115	
Zinc	ug/L	100	99.6	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5448209 5448210

Parameter	Units	92836494001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Copper	ug/L	15.0	100	100	119	119	104	104	70-130	1	
Lead	ug/L	0.71	100	100	100	100	100	100	70-130	0	
Nickel	ug/L	3.2	100	100	104	107	100	103	70-130	3	
Zinc	ug/L	119	100	100	226	229	107	110	70-130	1	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 981668
QC Batch Method: SM 2540D-2020
Analysis Method: SM 2540D-2020
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5047683
Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	1.0	12/27/25 10:14	

LABORATORY CONTROL SAMPLE: 5047684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	250	232	93	90-110	

SAMPLE DUPLICATE: 5047704

Parameter	Units	92836494002 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	86.2	90.8	5	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 982794
QC Batch Method: EPA 9040C
Analysis Method: EPA 9040C
Analysis Description: 9040 pH
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001, 92836494002

SAMPLE DUPLICATE: 5052145

Parameter	Units	92835906001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	1	H3

SAMPLE DUPLICATE: 5052146

Parameter	Units	92835906003 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	9.0	9.0	0	H3

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 982759
QC Batch Method: EPA 351.2 Rev 2.0 1993
Analysis Method: EPA 351.2 Rev 2.0 1993
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001

METHOD BLANK: 5051999
Matrix: Water
Associated Lab Samples: 92836494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.50	01/06/26 03:54	

LABORATORY CONTROL SAMPLE: 5052000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5052001 5052002

Parameter	Units	92835983001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	ND	10	10	10.7	10.3	105	101	90-110	4	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5052003 5052004

Parameter	Units	92835983002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	0.65	10	10	11.5	10.7	109	101	90-110	7	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 984665
QC Batch Method: EPA 351.2 Rev 2.0 1993
Analysis Method: EPA 351.2 Rev 2.0 1993
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494002

METHOD BLANK: 5062335 Matrix: Water
Associated Lab Samples: 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.50	01/15/26 06:01	

LABORATORY CONTROL SAMPLE: 5062336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5062337 5062338

Parameter	Units	92837529001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	20.9	10	10	37.0	33.8	161	129	90-110	9	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5062339 5062340

Parameter	Units	92837529002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	2.9	10	10	12.8	12.3	99	94	90-110	4	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 982214
QC Batch Method: EPA 353.2 Rev 2.0 1993
Analysis Method: EPA 353.2 Rev 2.0 1993
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5049721 Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.040	12/31/25 15:16	

LABORATORY CONTROL SAMPLE: 5049722

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5049723 5049724

Parameter	Units	92836494001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.40	2.5	2.5	2.8	2.8	94	94	90-110	0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5049725 5049726

Parameter	Units	92836494002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.51	2.5	2.5	2.8	2.8	92	91	90-110	0	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 981485
QC Batch Method: EPA 365.1 Rev 2.0 1993
Analysis Method: EPA 365.1 Rev 2.0 1993
Analysis Description: 365.1 Phosphorus, Total
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5047043 Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	12/26/25 19:39	

LABORATORY CONTROL SAMPLE: 5047044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.5	2.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5047045 5047046

Parameter	Units	92835285001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phosphorus	mg/L	34.6	2.5	2.5	35.7	35.0	48	17	90-110	2	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5047047 5047048

Parameter	Units	92835286002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phosphorus	mg/L	9.5	2.5	2.5	12.1	11.4	103	74	90-110	6	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 982311
QC Batch Method: SM 5220D-2011
Analysis Method: SM 5220D-2011
Analysis Description: 5220D COD
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5050474 Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	01/01/26 05:13	

LABORATORY CONTROL SAMPLE: 5050475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	760	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5050476 5050477

Parameter	Units	92835526005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chemical Oxygen Demand	mg/L	43.5	100	100	148	145	104	102	90-110	2	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5050478 5050479

Parameter	Units	92835890001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chemical Oxygen Demand	mg/L	36.7	100	100	136	134	100	97	90-110	2	

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QUALIFIERS

Project: Prince William County
Pace Project No.: 92836494

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Prince William County
Pace Project No.: 92836494

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92836494001	**DAL**	EPA 350.1 Rev 2.0 1993	981553		
92836494002	**MAN**	EPA 350.1 Rev 2.0 1993	981553		
92836494001	**DAL**	EPA 200.8	1047096	EPA 200.8	1047169
92836494002	**MAN**	EPA 200.8	1047096	EPA 200.8	1047169
92836494001	**DAL**	SM 2540D-2020	981668		
92836494002	**MAN**	SM 2540D-2020	981668		
92836494001	**DAL**	EPA 9040C	982794		
92836494002	**MAN**	EPA 9040C	982794		
92836494001	**DAL**	TKN+NO3+NO2 Calculation	984695		
92836494002	**MAN**	TKN+NO3+NO2 Calculation	985033		
92836494001	**DAL**	EPA 351.2 Rev 2.0 1993	982759	EPA 351.2 Rev 2.0 1993	982855
92836494002	**MAN**	EPA 351.2 Rev 2.0 1993	984665	EPA 351.2 Rev 2.0 1993	984831
92836494001	**DAL**	EPA 353.2 Rev 2.0 1993	982214		
92836494002	**MAN**	EPA 353.2 Rev 2.0 1993	982214		
92836494001	**DAL**	EPA 365.1 Rev 2.0 1993	981485	EPA 365.1 Rev 2.0 1993	981640
92836494002	**MAN**	EPA 365.1 Rev 2.0 1993	981485	EPA 365.1 Rev 2.0 1993	981640
92836494001	**DAL**	SM 5220D-2011	982311	SM 5220D-2011	982326
92836494002	**MAN**	SM 5220D-2011	982311	SM 5220D-2011	982326

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Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☑ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: WSP-VA - ORG7526

Project # WO#: 92836494

92836494

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ~~☑ Pace~~ APB 12/24/25 ☐ Other:

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: APB 12/24/25

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 93T090 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 13.6°C Correction Factor: Add/Subtract (°C) Ø

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 13.6°C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92836494

Project

PM: TMC Due Date: 01/02/26

CLIENT: 92-Amec VA

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Laboratory Receiving Location: Asheville ☑ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client WSP-VA Profile/EZ (Circle one) 18501-1 Notes ORG 7526

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC		AS		AS		AS	S1																						
1		1		1		2✓	1✓																						
2		1		1		2✓	1																						
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical
www.paceanalytical.com

Sample Receiving Non-Conformance Form (NCF)

Date:	Evaluated by:
Client:	

12-29-25 Ailucker
WSP-VA

Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

WO#92836494

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF. X

2. If COC is incomplete, check applicable issues below and add details where appropriate:

	Collection date/time missing or incorrect		Analyses or analytes: missing or clarification needed		Samples listed on COC do not match samples received (missing, additional, etc.)
	Sample IDs on COC do not match sample labels		Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:

No COC received.

3. Sample integrity issues: check applicable issues below and add details where appropriate:

	Samples: Past holding time		Samples: Condition needs to be brought to lab personnel's attention (details below)		Preservation: Improper
	Samples: Not field filtered		Containers: Broken or compromised	X	Temperature: not within acceptance criteria (typically 0-6C)
	Samples: Insufficient volume received		Containers: Incorrect		Temperature: Samples arrived frozen
	Samples: Cooler damaged or compromised		Custody Seals: Missing or compromised on samples, trip blanks or coolers		Vials received with improper headspace
	Samples: contain chlorine or sulfides		Packing Material: Insufficient/Improper		Other:

Comments/Details: Samples out of temp.

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

F-ALL-C-011-rev.00, 05Jul2018

Pace Analytical

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

WO#92836494

ALL SHADED AREAS are for LAB USE ONLY

Company: WSP - VA

Billing Information:

Address:

Report To:

Email To:

Copy To:

Site Collection Info/Address:

Customer Project Name/Number: ORG 7526

State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone:
Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print):

Purchase Order #:
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [ ] Yes [ ] No

Sample Disposal:
[ ] Dispose as appropriate [ ] Return
[ ] Archive: _____
[ ] Hold: _____

Rush:
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day
(Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis: _____

Lab Project Manager:

Container Preservative Type **: 3 3 U 1 U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Analyses: NO_2NO_3, COD/NH_3/T Phos, pH, Metals, TSS

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	NO_2NO_3	COD/NH_3/T Phos	pH	Metals	TSS
DAL			12-22	1605				5	X	X	X	X	X
MAN			12-22	1632				5	X	X	X	X	X

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y (N)	NA
Custody Signatures Present	Y (N)	NA
Collector Signature Present	Y (N)	NA
Bottles Intact	(Y) N	NA
Correct Bottles	(Y) N	NA
Sufficient Volume	(Y) N	NA
Samples Received on Ice	Y (N)	NA
VOA - Headspace Acceptable	Y N	(NA)
USDA Regulated Soils	Y N	(NA)
Samples in Holding Time	(Y) N	NA
Residual Chlorine Present	Y (N)	NA
Cl Strips: 5325A		
Sample pH Acceptable	(Y) N	NA
pH Strips: 234722AV		
Sulfide Present	Y N	(NA)
Lead Acetate Strips: _____		

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: None

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2716981

Samples received via: (FEDEX) UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: (Y) N NA
Therm ID#: 937090
Cooler 1 Temp Upon Receipt: 13.6 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments: COC made by AVL S/R

Trip Blank Received: Y N (NA)
HCL MeOH TSP Other

Non Conformance(s): (YES) / NO

Page: _____ of: _____

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		A.Rucker/PACE/AVL	1158 12-24-25
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 04, 2026

Ilana Ton
WSP USA
13530 Dulles Technology Drive
Suite 300
Herndon, VA 20171

RE: Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

Dear Ilana Ton:

Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Beaver

The final report was revised on 03/04/26 to include total nitrogen results per client request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jerry Lanier

Jerry Lanier for
Taylor M Cannon
taylor.cannon@pacelabs.com
704-977-0943
Project Manager

Enclosures

cc: Garrett Stewart, WSP USA

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CERTIFICATIONS

Project:	US0039765.6753, ORG 7526.GT
Pace Project No.:	92827306

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Beaver

225 Industrial Park Road, Beaver, WV 25813
New York DOH Lab ID12167 SN69208
Virginia VELAP 460148
West Virginia DEP 060
West Virginia DHHR 00412CM
North Carolina DEQ 466
Kentucky Wastewater Certification KY90039
Pennsylvania DEP 68-00839

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SAMPLE SUMMARY

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92827306001	**DAL**	Water	11/03/25 16:00	11/04/25 10:46

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SAMPLE ANALYTE COUNT

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92827306001	**DAL**	EPA 200.8	WES	4	PASI-BV
		SM 2540D-2020	ACE	1	PASI-A
		SM 4500-H+B-2021	MDW	1	PASI-A
		TKN+NO3+NO2 Calculation	MDW	1	PASI-A
		EPA 350.1 Rev 2.0 1993	NCF	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	CEM	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	MGW	1	PASI-A

PASI-A = Pace Analytical Services - Asheville
PASI-BV = Pace Analytical Services - Beaver

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ANALYTICAL RESULTS

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

Sample: DAL **Lab ID: 92827306001** Collected: 11/03/25 16:00 Received: 11/04/25 10:46 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.8 ICPMS Metals, Total	Analytical Method: EPA 200.8 Preparation Method: EPA 200.2 Pace Analytical Services - Beaver							
Copper	**7.8**	ug/L	2.5	1	11/10/25 12:30	11/11/25 12:54	7440-50-8	
Lead	**0.67**	ug/L	0.50	1	11/10/25 12:30	11/11/25 12:54	7439-92-1	
Nickel	ND	ug/L	2.5	1	11/10/25 12:30	11/11/25 12:54	7440-02-0	
Zinc	**75.5**	ug/L	5.0	1	11/10/25 12:30	11/11/25 12:54	7440-66-6	
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020 Pace Analytical Services - Asheville							
Total Suspended Solids	**16.8**	mg/L	1.0	1		11/05/25 13:09		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B-2021 Pace Analytical Services - Asheville							
pH at 25 Degrees C	**6.9**	Std. Units	0.10	1		11/10/25 12:17		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation Pace Analytical Services - Asheville							
Total Nitrogen	**1.2**	mg/L	0.040	1		03/03/26 14:32		
350.1 Ammonia	Analytical Method: EPA 350.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Ammonia	ND	mg/L	0.10	1		11/10/25 13:17	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**0.87**	mg/L	0.50	1	11/06/25 17:03	11/07/25 03:09	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.31**	mg/L	0.040	1		11/06/25 08:34		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Phosphorus	ND	mg/L	0.050	1	11/05/25 17:11	11/06/25 17:20	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011 Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**68.0**	mg/L	25.0	1	11/11/25 17:25	11/11/25 20:07		

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QUALITY CONTROL DATA

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

QC Batch: 782897
QC Batch Method: EPA 200.2
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET
Laboratory: Pace Analytical Services - Beaver
Associated Lab Samples: 92827306001

METHOD BLANK: 3819202
Matrix: Water
Associated Lab Samples: 92827306001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	2.5	11/11/25 11:53	
Lead	ug/L	ND	0.50	11/11/25 11:53	
Nickel	ug/L	ND	2.5	11/11/25 11:53	
Zinc	ug/L	ND	5.0	11/11/25 11:53	

LABORATORY CONTROL SAMPLE: 3819203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	100	98.7	99	85-115	
Lead	ug/L	20	19.7	98	85-115	
Nickel	ug/L	100	96.9	97	85-115	
Zinc	ug/L	200	195	98	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3819204 3819205

Parameter	Units	30824460001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	30.0	100	100	123	126	93	96	70-130	3	20	
Lead	ug/L	1.2	20	20	21.3	22.0	100	104	70-130	4	20	
Nickel	ug/L	12.0	100	100	108	112	96	100	70-130	3	20	
Zinc	ug/L	41.9	200	200	221	229	89	94	70-130	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3819206 3819207

Parameter	Units	30824437001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	ND	100	100	95.8	94.2	94	93	70-130	2	20	
Lead	ug/L	ND	20	20	20.1	19.8	100	99	70-130	1	20	
Nickel	ug/L	0.0013J mg/L	100	100	97.6	96.4	96	95	70-130	1	20	
Zinc	ug/L	ND	200	200	189	186	92	91	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

QC Batch: 971370
QC Batch Method: SM 2540D-2020
Analysis Method: SM 2540D-2020
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92827306001

METHOD BLANK: 4992433 Matrix: Water
Associated Lab Samples: 92827306001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	1.0	11/05/25 13:03	

LABORATORY CONTROL SAMPLE: 4992434

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	250	240	96	90-110	

SAMPLE DUPLICATE: 4992850

Parameter	Units	92827009001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	69.2	70.0	1	10	

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QUALITY CONTROL DATA

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

QC Batch: 972047
QC Batch Method: SM 4500-H+B-2021
Analysis Method: SM 4500-H+B-2021
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92827306001

SAMPLE DUPLICATE: 4996102

Parameter	Units	92826644005 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	10	H3

SAMPLE DUPLICATE: 4996103

Parameter	Units	92826300001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.4	7.4	0	10	H3

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QUALITY CONTROL DATA

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

QC Batch: 971472
QC Batch Method: EPA 350.1 Rev 2.0 1993
Analysis Method: EPA 350.1 Rev 2.0 1993
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92827306001

METHOD BLANK: 4993054 Matrix: Water
Associated Lab Samples: 92827306001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	11/10/25 12:33	

LABORATORY CONTROL SAMPLE: 4993055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.3	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4993056 4993057

Parameter	Units	92826415003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	ND	5	5	5.3	5.3	105	106	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4993058 4993059

Parameter	Units	92826423001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	25.6	5	5	32.1	34.4	130	176	90-110	7	10	M1

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QUALITY CONTROL DATA

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

QC Batch: 971679
QC Batch Method: EPA 351.2 Rev 2.0 1993
Analysis Method: EPA 351.2 Rev 2.0 1993
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92827306001

METHOD BLANK: 4994317 Matrix: Water
Associated Lab Samples: 92827306001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.50	11/07/25 02:32	

LABORATORY CONTROL SAMPLE: 4994318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10	10.6	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4994319 4994320

Parameter	Units	92826281001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	3.0	10	10	14.3	13.5	112	105	90-110	6	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4994321 4994322

Parameter	Units	92826311001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	0.72	10	10	11.7	11.7	110	110	90-110	0	10	

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QUALITY CONTROL DATA

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

QC Batch: 971335
QC Batch Method: EPA 353.2 Rev 2.0 1993
Analysis Method: EPA 353.2 Rev 2.0 1993
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92827306001

METHOD BLANK: 4992337 Matrix: Water
Associated Lab Samples: 92827306001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.040	11/06/25 07:03	

LABORATORY CONTROL SAMPLE: 4992338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4992339 4992340

Parameter	Units	92826038001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	ND	2.5	2.5	2.5	2.5	100	101	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4992341 4992342

Parameter	Units	92826165001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	ND	2.5	2.5	2.4	2.3	94	94	90-110	0	10	

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

QC Batch: 971505
QC Batch Method: EPA 365.1 Rev 2.0 1993
Analysis Method: EPA 365.1 Rev 2.0 1993
Analysis Description: 365.1 Phosphorus, Total
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92827306001

METHOD BLANK: 4993343
Matrix: Water
Associated Lab Samples: 92827306001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	11/06/25 16:53	

LABORATORY CONTROL SAMPLE: 4993344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.5	2.5	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4993345 4993346

Parameter	Units	92826661002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	3.8	2.5	2.5	7.3	5.3	141	61	90-110	32	10	M1,R1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

QC Batch: 972588
QC Batch Method: SM 5220D-2011
Analysis Method: SM 5220D-2011
Analysis Description: 5220D COD
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92827306001

METHOD BLANK: 4999179 Matrix: Water
Associated Lab Samples: 92827306001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	11/11/25 20:03	

LABORATORY CONTROL SAMPLE: 4999180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	760	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4999181 4999182

Parameter	Units	92826540002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	880	100	100	989	991	108	111	90-110	0	3	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4999183 4999184

Parameter	Units	92826914001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	241	100	100	333	347	92	106	90-110	4	3	R1

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REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: US0039765.6753, ORG 7526.GT
Pace Project No.: 92827306

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92827306001	**DAL**	EPA 200.2	782897	EPA 200.8	783152
92827306001	**DAL**	SM 2540D-2020	971370		
92827306001	**DAL**	SM 4500-H+B-2021	972047		
92827306001	**DAL**	TKN+NO3+NO2 Calculation	994447		
92827306001	**DAL**	EPA 350.1 Rev 2.0 1993	971472		
92827306001	**DAL**	EPA 351.2 Rev 2.0 1993	971679	EPA 351.2 Rev 2.0 1993	971896
92827306001	**DAL**	EPA 353.2 Rev 2.0 1993	971335		
92827306001	**DAL**	EPA 365.1 Rev 2.0 1993	971505	EPA 365.1 Rev 2.0 1993	971572
92827306001	**DAL**	SM 5220D-2011	972588	SM 5220D-2011	972676

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Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville [X] Eden [ ] Greenwood [ ] Huntersville [ ] Raleigh [ ] Mechanicsville [ ] Atlanta [ ] Kernersville [ ]

Sample Condition Upon Receipt

Client Name: WSP

Project #: WO# : 92827306

92827306

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [ ] Pace [ ] Other:____

Custody Seal Present? [X] Yes [ ] No Seals Intact? [X] Yes [ ] No [ ] N/A

Date/Initials Person Examining Contents: 11/4/25 AW

Packing Material: [X] Bubble Wrap [ ] Bubble Bags [ ] None [ ] Other

Biological Tissue Frozen? [ ] Yes [ ] No [X] N/A

Thermometer:

[ ] IR Gun ID: 931091

Type of Ice: [X] Wet [ ] Blue [ ] None

Cooler Temp: 2.5 Correction Factor: Add/Subtract (°C) 0.1

Temp should be above freezing to 6°C

[ ] Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.4

USDA Regulated Soil ([X] N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? [ ] Yes [ ] No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? [ ] Yes [ ] No

				Comments/Discrepancy:
Chain of Custody Present?	[X] Yes	[ ] No	[ ] N/A	1.
Samples Arrived within Hold Time?	[X] Yes	[ ] No	[ ] N/A	2.
Short Hold Time Analysis (<72 hr.)?	[X] Yes	[ ] No	[ ] N/A	3.
Rush Turn Around Time Requested?	[ ] Yes	[ ] No	[X] N/A	4.
Sufficient Volume?	[X] Yes	[ ] No	[ ] N/A	5.
Correct Containers Used?	[X] Yes	[ ] No	[ ] N/A	6.
-Pace Containers Used?	[X] Yes	[ ] No	[ ] N/A	
Containers Intact?	[X] Yes	[ ] No	[ ] N/A	7.
Dissolved analysis: Samples Field Filtered?	[ ] Yes	[ ] No	[X] N/A	8.
Sample Labels Match COC?	[X] Yes	[ ] No	[ ] N/A	9.
-Includes Date/Time/ID/Analysis Matrix: OT / WT				
Headspace in VOA Vials (>5-6mm)?	[ ] Yes	[ ] No	[X] N/A	10.
Trip Blank Present?	[ ] Yes	[ ] No	[X] N/A	11.
Trip Blank Custody Seals Present?	[ ] Yes	[ ] No	[X] N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? [ ] Yes [ ] No

Pace FAIRFAX COUNTY CUSTODY SEAL SIGNATURE [signature] DATE 11/3/25

Pace PRINCE WILLIAM COUNTY CUSTODY SEAL SIGNATURE [signature] DATE 11/3/25

Date:

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92827306

Project #

PM: TMC Due Date: 11/11/25

CLIENT: 92-Amec VA

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Laboratory Receiving Location: Asheville ☒ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client WSP - Prince William Profile/EZ (Circle one) 8125-1 Notes SI-MET20

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC		AS		AS		AS	SI																						
1		1		1		2 ✓	1 ✓																						
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company: Wood/WSP

Address: 13530 Dulles Technology Dr #300, Herndon, VA 20171

Billing Information: Attn: mary.halley@wsp.com

Report To: Ilana Ton

Email To: ilana.ton@wsp.com

Copy To:

Site Collection Info/Address: Prince William County / Manassas, VA and Woodbridge, VA

Customer Project Name/Number: US0039765.6753, ORG 7526, GL Code 5730-00

State: VA County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET

Phone: 703 488 3778
Email: ilana.ton@wsp.com

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print):

Purchase Order # :
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal:
[X] Dispose as appropriate
[ ] Return
[ ] Archive: _____
[ ] Hold:

Rush: (Expedite Charges Apply)
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day
[ ] 4 Day [X] 5 Day

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **: U | 1 | 2 | 2 | U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	SM 2540D-2015 TSS	200.7 Metals	EPA 351.2 TKN/ EPA 353.2 NO2 + NO3	EPA 350.1 Ammonia/EPA 365.1 Phosphorus/ SM 5220D-2011 COD	SM 4500-H+B-2011 pH						Lab Sample # / Comments
DAL	OT-Water	Comp	11/3/25	1600				5	P	X	X	x	x	x						928273006

Lab Profile/Line:

Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: 5175A
Sample pH Acceptable Y N NA
pH Strips: 734792AW
Sulfide Present Y N NA
Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:
Prince William County/
US0039765.6753, ORG 7526, GL Code 5730-00
Pace PM Taylor Cannon
200.7: Cu, Pb, Ni, Zn

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: AW 1114

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 937091
Cooler 1 Temp Upon Receipt: 2.5 oC
Cooler 1 Therm Corr. Factor: 0.1 oC
Cooler 1 Corrected Temp: 2.4 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ilana Ton/WSP	11/3/25 1805	Pace AVL	11/4/25 10:46
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Wet Weather Monitoring Report

Fourth Quarter 2025 (October 1 – December 31)
Event Date: Dale City December 18, 2025
Manassas Make-Up Event January 9

Prepared for:

Prince William County Department of Public Works
5 County Complex Court, Suite 170
Prince William, Virginia 22192

Prepared by:
WSP USA Environment & Infrastructure, Inc.
13530 Dulles Technology Drive, Suite 300
Herndon, VA 20171
(703) 742-5700

March 9, 2026
Project No. US0039765.6753

1.0 INTRODUCTION

WSP USA Environment & Infrastructure Solutions, Inc. (WSP) conducts quarterly wet weather monitoring at two outfall sites to support Prince William County in compliance with the requirements of the Virginia Stormwater Management Program (VSMP) Municipal Separate Storm Sewer System (MS4) Permit (Number VA0088595), issued by the Virginia Department of Environmental Quality (VDEQ) to Prince William County, Virginia. This report discusses the results of the Q4 sampling event that occurred from December 18 to December 20, 2025 at the Dale City monitoring site and the make-up sampling event that occurred from January 9, 2025 to January 11, 2025 at the Manassas monitoring site.

2.0 METHODS

Flow rate data were collected at the outfalls by an ISCO 6712 automated sampler coupled with an ISCO 730 bubbler flow module, installed with a Scissors Ring. Flow rate over the course of the sampling events were electronically calculated using ISCO Flowlink 5.1 software, which utilizes the Manning Equation to convert flow level and velocity to flow rate. Replacement ISCO 730 bubble flow modules have been installed at both sites beginning in Q1 of 2023.

SITE #941; MANASSAS, VA

Site #941 is located near 11850 Livingston Road. The site receives a total of 52 acres of upstream drainage area from a land surface that is 34% impervious. County data documents that the pipe is 54 inches in diameter with a slope of 0.03437. This site is subject to backwater conditions as water levels within the downstream pond have risen over the previous two years. Maintenance is recommended to ensure the continued efficacy of the monitoring program at this site. Backwater at the site extends too far upstream into the pipe and would require confined space entry to install equipment. Accommodations are made in the sampling program, as described in further detail in the following section.

SITE #4684; DALE CITY, VA

Site #4684 is located near the corner of Potomac Center Blvd. and Sheffield Hill Way, north of Eastbourne Drive. It drains into a regional detention pond for the Potomac Club residential development. Upstream drainage totals 51 acres, 21% of which is from impervious surfaces. The pipe is 54 inches in diameter with a slope of 0.002593. Storm events at this site are flashy in nature, which is accounted for by programming shorter sample intervals, if necessary, based upon forecast conditions.

The automated samplers were deployed when a qualifying storm event (>0.3 inches precipitation) was forecast for the two monitoring sites. WSP staff deployed the samplers at the Dale City site on December 18, 2025 and at the Manassas site on January 9, 2026 programmed the samplers' automated, discrete sampling sequence to initiate upon flow levels exceeding current water levels in each pipe.

Rain gage data were compiled from monitoring stations in the Weather Underground monitoring network. The data is accessible online and provided hourly precipitation totals over the monitoring period. Gages are prioritized based on the makeup of the data record (reporting interval) and proximity to monitoring locations.

Following the storm event, staff retrieved the samples and prepared them for shipment to Pace Analytical for water quality analysis. To compile the complete set of discrete samples into a single

flow-weighted composite, Flowlink software calculated the storm event discharge using the Manning Equation:

Equation 1: Manning Equation used to calculate flow rate.

$$Q = VA = \left(\frac{1.49}{n}\right) A R^{\frac{2}{3}} \sqrt{S} \text{ [US]}$$

Q = Flow rate
A = Flow area
V = Avg. velocity
S = Water surface slope
R = Hydraulic Radius
n = Roughness coefficient
1.49 = English units conversion factor

Channel slopes were determined using invert elevations reported in the stormwater infrastructure geospatial data provided by Prince William County. Using flow levels reported by the ISCO samplers, the area and hydraulic radius inside the sampled outfalls could be computed for a given time interval. A Manning's *n* value of 0.013 was assumed for the concrete pipes[1]. Two sampling programs were implemented to accommodate different conditions between the sites.

Manassas Sampling Program
Although a replacement bubbler module has been installed, the ponded site conditions continue to provide inaccurate water level readings at the Manassas site and fluctuates during static water conditions. To accommodate the unreliable equipment readings due to the site conditions, the ISCO sampler at the Manassas site was programed to collect on a time-paced program. Samples were collected at a pre-set time interval over the course of the storm.

During the event, the sampling was set as a time-paced program to collect discrete samples every 30 minutes, then composited into a single container.

Dale City Sampling Program
During the event, the sampler at Dale City was programed to collect on a time-paced program. The sampler collected discrete samples every 30 minutes, then composited into a single container.

[1] Chow, V.T. (1959) Open Channel Hydraulics. McGraw-Hill, New York.

3.0 RESULTS

SITE #941; MANASSAS, VA

Sampling occurred from 6:30 on January 10, 2025 to 18:00 on January 10, 2025. Weather Underground Station KVAMANAS91 in Manassas, VA recorded 1.12 inches of precipitation over this same period. The previous storm event was recorded on December 18 -19, 2025, producing 0.88 inches of precipitation.

SITE #4684; DALE CITY, VA

Sampling occurred from 2:20 on December 19, 2025 to 13:50 on December 19, 2025. Weather Underground Station KVAWOODB86 in Woodbridge, VA recorded 0.94 inches of precipitation over this same period. The previous storm event was recorded on December 19-20, 2025, producing 0.28 inches of precipitation.

Samples from both sites were retained under refrigeration until they were composited and shipped overnight to Pace Analytical Services in Asheville, NC. The Dale City samples arrived at the laboratory outside of the temperature specifications for all the analytical methods except metals. Samples were received by the lab, transferred to cold storage and analyzed with the caveat that all, but the metals analysis method are outside of temperature specifications.

3.1 FLOW DATA

SITE #941; MANASSAS, VA

Flow rate reached 19.13 cfs. The storm event hydrograph compared with cumulative volume can be seen in Figure 1. Table 1 lists the proportion of each sample mixed with the flow-weighted composite. The flow-weighted composite volume was adjusted to incorporate representative volumes from the collected samples.

Flow rate and volume are calculated by measuring changes in water level over time. Backwater effects are impacting flow meter readings at the outfall point of discharge. Backwater conditions cause elevated readings for flow volume and flow rate.

Figure 1: Flow data over time for the storm event at Site #941 on January 10, 2026

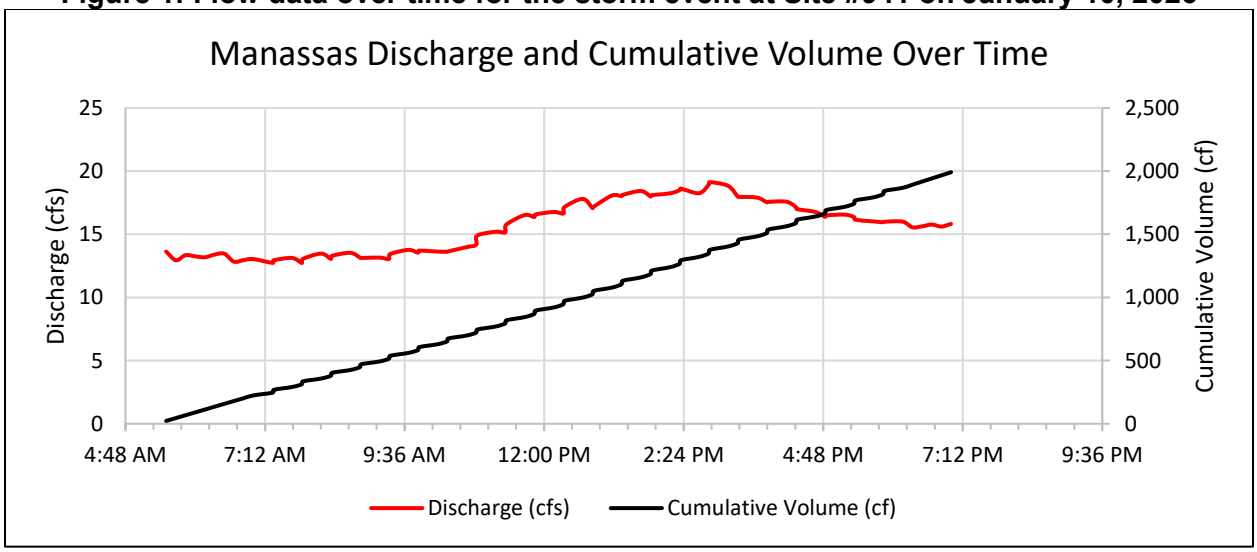

Table 1: Summary of Flow Weighted Composite – Site #941

Bottle #	Time of Sample	Volume (cf)	% of Flow	Flow Weighted Volume (mL)*
1	1/10/2026 6:30	8079.03	3.5%	177
2	1/10/2026 7:00	7822.28	3.4%	172
3	1/10/2026 7:30	7874.94	3.5%	173
4	1/10/2026 8:00	8081.56	3.5%	177
5	1/10/2026 8:30	8119.53	3.6%	178
6	1/10/2026 9:00	7892.52	3.5%	173
7	1/10/2026 9:30	8259.16	3.6%	181
8	1/10/2026 10:00	8177.84	3.6%	179
9	1/10/2026 10:30	8389.23	3.7%	184
10	1/10/2026 11:00	9120.74	4.0%	200
11	1/10/2026 11:30	9912.2	4.3%	217
12	1/10/2026 12:00	10058.9	4.4%	221
13	1/10/2026 12:30	10679.3	4.7%	234
14	1/10/2026 13:00	10838.9	4.8%	238
15	1/10/2026 13:30	11055.8	4.8%	242
16	1/10/2026 14:00	10944.5	4.8%	240
17	1/10/2026 14:30	10950	4.8%	240
18	1/10/2026 15:00	11297.9	5.0%	248
19	1/10/2026 15:30	10738.8	4.7%	235
20	1/10/2026 16:00	10547.2	4.6%	231
21	1/10/2026 16:30	10058.9	4.4%	221
22	1/10/2026 17:00	9933.5	4.4%	218
23	1/10/2026 17:30	9609.69	4.2%	211
24	1/10/2026 18:00	9601.76	4.2%	211

*5.0 L sample

SITE #4684; DALE CITY, VA

Flow rate reached 19.13 cfs. The storm event hydrograph compared with cumulative volume can be seen in Figure 2. Table 2 lists the proportion of each sample mixed with the flow-weighted composite. The flow-weighted composite volume was adjusted to incorporate representative volumes from the collected samples.

Figure 2: Flow data over time for the storm event at Site #4684 on December 19, 2025

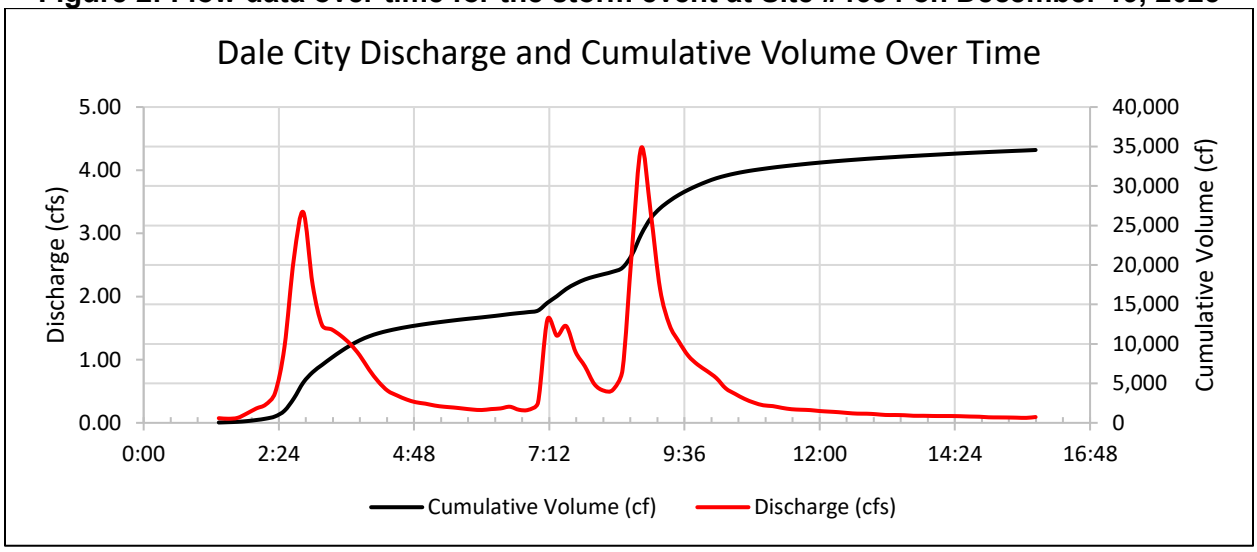

Table 2: Summary of Flow Weighted Composite – Site #4684

Bottle #	Time of Sample	Volume (cf)	% of Flow	Flow Weighted Volume (mL)*
1	12/19/2025 2:20	285.519	2.7%	80
2	12/19/2025 2:50	2000.96	18.6%	558
3	12/19/2025 3:20	888.345	8.3%	248
4	12/19/2025 3:50	642.651	6.0%	179
5	12/19/2025 4:20	304.334	2.8%	85
6	12/19/2025 4:50	195.855	1.8%	55
7	12/19/2025 5:20	153.224	0.0%	0
8	12/19/2025 5:50	126.872	0.0%	0
9	12/19/2025 6:20	137.095	1.3%	38
10	12/19/2025 6:50	124.878	0.0%	0
11	12/19/2025 7:20	827.731	7.7%	231
12	12/19/2025 7:50	536.457	5.0%	150
13	12/19/2025 8:20	315.603	2.9%	88
14	12/19/2025 8:50	2612.99	24.3%	729
15	12/19/2025 9:20	930.963	8.7%	260
16	12/19/2025 9:50	553.82	5.2%	155
17	12/19/2025 10:20	327.09	3.0%	91
18	12/19/2025 10:50	192.089	1.8%	54
19	12/19/2025 11:20	142.365	0.0%	0
20	12/19/2025 11:50	120.941	0.0%	0
21	12/19/2025 12:20	101.369	0.0%	0
22	12/19/2025 12:50	86.867	0.0%	0
23	12/19/2025 13:20	74.304	0.0%	0
24	12/19/2025 13:50	66.982	0.0%	0

*5.0 L sample

3.2 LABORATORY ANALYTICAL RESULTS

Samples were sent to Pace Analytical Services, Inc. lab in Asheville, NC for analysis, with Analytical Parameters tested listed in **Table 3**.

Table 3: Analytical Parameters

Analyte	Analysis Method
Copper	EPA 200.7
Lead	EPA 200.7
Nickel	EPA 200.7
Zinc	EPA 200.7
Total Suspended Solids	SM 2540D
pH	4500H+ pH, Electrometric
Ammonia	EPA 350.1 1993 Rev 2.0
Total Kjeldahl Nitrogen	EPA 351.2
Nitrate + Nitrite Nitrogen	EPA 353.2
Total Phosphorus	EPA 365.1
Chemical Oxygen Demand	SM 5220D

Table 4: Results of Water Quality Analysis

	Analyte	Analyte Value*	Analyte Unit	Reporting Limit	Exceedance Criterion	Criterion Basis
Manassas (#941)	Copper	16.8	µg/L	6.0	13	a
	Lead	ND	µg/L	10.0	120	a
	Nickel	ND	µg/L	5.0	180	a
	Zinc	50.4	µg/L	20.0	120	a
	Total Suspended Solids	3.5	mg/L	4.0	100	b
	Nitrogen, Ammonia	ND	mg/L	0.10	-	-
	Nitrogen, Kjeldahl, Total	1.1	mg/L	0.50	-	-
	Nitrogen, NO_2 plus NO_3	0.45	mg/L	0.040	-	-
	Total Nitrogen	1.6	mg/L	0.040	2.2	c
	Phosphorus, Total	0.12	mg/L	0.050	2	b
	Chemical Oxygen Demand	39	mg/L	25	120	b
	pH	7.3	Std. Units	0.10	6.0-9.0	d
Dale City (#4684)	Copper	15.0	µg/L	2.5	13	a
	Lead	0.71	µg/L	0.50	120	a
	Nickel	3.2	µg/L	2.5	180	a
	Zinc	119	µg/L	5.0	120	a
	Total Suspended Solids	12.0	mg/L	1.0	100	b
	Nitrogen, Ammonia	0.14	mg/L	0.10	-	-
	Nitrogen, Kjeldahl, Total	1.1	mg/L	0.10	-	-
	Nitrogen, NO_2 plus NO_3	0.40	mg/L	0.50	-	-
	Total Nitrogen	1.5	mg/L	0.040	2.2	c
	Phosphorus, Total	ND	mg/L	0.050	2	b
	Chemical Oxygen Demand	48.0	mg/L	25.0	120	b
	pH	6.9	Std. Units	2.5	6.0-9.0	d

[a] State Water Quality Control Board Acute Standards for Surface Water Quality. Value is based on an assumed hardness of 100 mg/L.
[b] Based on benchmark criteria for the VPDES Industrial Stormwater General Permit.
[c] The sum of Nitrogen as Ammonia, NO_2, NO_3, and Total Kjeldahl Nitrogen.
[d] Based on numeric effluent limitations noted in the VPDES Permit for Discharge of Stormwater Associated with Industrial Activity.
* Values highlighted in red were found to be in exceedance of their respective criterion.
ND = The analyte was not detected above specified reporting limit.

4.0 SUMMARY

There was an exceedance for Copper at both sites during the 2025 Q4 sampling event. Exceedance tracking for parameters of concern are illustrated in **Figure 3** below.

Figure 3: Exceedance Tracking for the Wet Weather Monitoring Program

Manassas (#9411)

	2016		2017				2018				2019				2020				2021				2022				2023				2024				2025			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Copper	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x			x	x		x	x	x	x	x	x	x			x	x	x	x	x
Lead																																						
Nickel																																						
Zinc	x		x	x	x	x	x	x							x	x							x	x											x		x	
Total Suspended Solids						x	x								x	x							x	x							x				x			
Total Nitrogen					x	x	x				x												x	x			x								x			
Phosphorus, Total																																						
Chemical Oxygen Demand		x				x	x								x								x	x											x		x	
pH						x												x																				

Dale City (#4684)

	2016		2017				2018				2019				2020				2021				2022				2023				2024				2025			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2*	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Copper	x		x	x	x	x	x	--		x	x											x	x	x				x			x				x			x
Lead								--																														
Nickel								--																														
Zinc			x		x	x	x	--																							x				x			
Total Suspended Solids						x		--																											x			
Total Nitrogen	x	x	x	x		x	x	--			x																			x					x			
Phosphorus, Total								--																														
Chemical Oxygen Demand						x	x	--																											x			
pH		x		x		x		--									x					x																

* No sample collected at #4684 during Q2 2018.

APPENDIX A

PHOTO LOG OF SITE CONDITIONS

Wet Weather Monitoring Q4 Report
Prince William County, VA
Photographic Log

Site: Dale City Station

Photo: 1

Date: 12/18/2025

Description: Dale City sampler set up overview.

Prince William County Wet Weather Monitoring Q4 March 9, 2026
Project No. US0039765.6753 Prince William County, VA

Site: Manassas Station

Photo: 2

Date:1/9/2026

Description: Manassas sampler set up overview.

Site: Manassas Station

Photo: 3

Date: 1/9/2025

Description: Manassas outfall. Note Ponded water.

APPENDIX B

WATER QUALITY LABORATORY RESULTS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

February 03, 2026

Ilana Ton
WSP USA
13530 Dulles Technology Drive
Suite 300
Herndon, VA 20171

RE: Project: Prince William County
Pace Project No.: 92836494

Dear Ilana Ton:

Enclosed are the analytical results for sample(s) received by the laboratory on December 24, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Eden
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Taylor M Cannon
taylor.cannon@pacelabs.com
704-977-0943
Project Manager

Enclosures

cc: Garrett Stewart, WSP USA

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(704)875-9092

CERTIFICATIONS

Project: Prince William County
Pace Project No.: 92836494

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
DoD Certification via A2LA #: 2926.01
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
ISO/IEC 17025 Certification via A2LA #: 2926.01
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240
Mississippi Certification #: MN00064
Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081
New Jersey Certification #: MN002
New York Certification #: 11647
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification via A2LA #: R-036
North Dakota Certification via MN #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Oklahoma Certification #: 9507
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Vermont Certification #: VT-027053137
Virginia Certification #: 460163
Washington Certification #: C486
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification via A2LA #: 2926.01
USDA Permit #: P330-19-00208

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Eden

205 East Meadow Road Suite A, Eden, NC 27288
North Carolina Drinking Water Certification #: 37738
North Carolina Wastewater Certification #: 633
Virginia/VELAP Certification #: 460025

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SAMPLE ANALYTE COUNT

Project: Prince William County
Pace Project No.: 92836494

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92836494001	**DAL**	EPA 350.1 Rev 2.0 1993	JMM2	1	PASI-E
		EPA 200.8	DJM, GAS1	4	PASI-M
		SM 2540D-2020	CDM	1	PASI-A
		EPA 9040C	ANG	1	PASI-A
		TKN+NO3+NO2 Calculation	EWS	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	EGC	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	JP1	1	PASI-A
92836494002	**MAN**	EPA 350.1 Rev 2.0 1993	JMM2	1	PASI-E
		EPA 200.8	DJM, GAS1	4	PASI-M
		SM 2540D-2020	CDM	1	PASI-A
		EPA 9040C	ANG	1	PASI-A
		TKN+NO3+NO2 Calculation	MDW	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	EGC	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	JP1	1	PASI-A

PASI-A = Pace Analytical Services - Asheville
PASI-E = Pace Analytical Services - Eden
PASI-M = Pace Analytical Services - Minneapolis

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Date: February 03, 2026

Samples were received outside of the method specified temperature range for all analyses, excluding metals. Client requested to proceed with analyzing the sample group out of temperature spec. Once received by the lab, samples were transferred to cold storage.

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 350.1 Rev 2.0 1993**
Description: 350.1 Ammonia EDN
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 350.1 Rev 2.0 1993 by Pace Analytical Services Eden. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 200.8**
Description: 200.8 MET ICPMS
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 200.8 by Pace Analytical Services Minneapolis. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 200.8 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **SM 2540D-2020**
Description: 2540D TSS, Low-Level
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for SM 2540D-2020 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 9040C**
Description: 9040 pH
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 9040C by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H3: Sample was received or analysis requested beyond the recognized method holding time.
- DAL (Lab ID: 92836494001)
- MAN (Lab ID: 92836494002)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **TKN+NO3+NO2 Calculation**
Description: Total Nitrogen Calculation
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for TKN+NO3+NO2 Calculation by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 351.2 Rev 2.0 1993**
Description: 351.2 Total Kjeldahl Nitrogen
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 351.2 Rev 2.0 1993 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 351.2 Rev 2.0 1993 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 984665

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92837529001,92837529002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 5062337)
  - Nitrogen, Kjeldahl, Total
- MSD (Lab ID: 5062338)
  - Nitrogen, Kjeldahl, Total

Additional Comments:

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PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 353.2 Rev 2.0 1993**
Description: 353.2 Nitrogen, NO2/NO3 pres.
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 353.2 Rev 2.0 1993 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **EPA 365.1 Rev 2.0 1993**
Description: 365.1 Phosphorus, Total
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for EPA 365.1 Rev 2.0 1993 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 365.1 Rev 2.0 1993 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 981485

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 92835285001,92835286002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 5047045)
  - Phosphorus
- MSD (Lab ID: 5047046)
  - Phosphorus
- MSD (Lab ID: 5047048)
  - Phosphorus

Additional Comments:

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

PROJECT NARRATIVE

Project: Prince William County
Pace Project No.: 92836494

Method: **SM 5220D-2011**
Description: 5220D COD
Client: WSP - VA
Date: February 03, 2026

General Information:
2 samples were analyzed for SM 5220D-2011 by Pace Analytical Services Asheville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with SM 5220D-2011 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Prince William County
Pace Project No.: 92836494

Sample: DAL **Lab ID: 92836494001** Collected: 12/22/25 16:05 Received: 12/24/25 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia EDN	Analytical Method: EPA 350.1 Rev 2.0 1993 Pace Analytical Services - Eden							
Nitrogen, Ammonia	**0.14**	mg/L	0.10	1		12/26/25 12:07	7664-41-7	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**15.0**	ug/L	1.0	1	12/31/25 05:45	01/02/26 12:57	7440-50-8	
Lead	**0.71**	ug/L	0.50	1	12/31/25 05:45	12/31/25 15:19	7439-92-1	
Nickel	**3.2**	ug/L	0.50	1	12/31/25 05:45	12/31/25 15:19	7440-02-0	
Zinc	**119**	ug/L	5.0	1	12/31/25 05:45	12/31/25 15:19	7440-66-6	
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020 Pace Analytical Services - Asheville							
Total Suspended Solids	**12.0**	mg/L	2.0	1		12/27/25 10:15		
9040 pH	Analytical Method: EPA 9040C Pace Analytical Services - Asheville							
pH at 25 Degrees C	**6.9**	Std. Units	0.10	1		01/05/26 17:52		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation Pace Analytical Services - Asheville							
Total Nitrogen	**1.5**	mg/L	0.040	1		01/14/26 14:32		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**1.1**	mg/L	0.50	1	01/05/26 16:00	01/06/26 04:44	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.40**	mg/L	0.040	1		12/31/25 15:18		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Phosphorus	ND	mg/L	0.050	1	12/26/25 16:10	12/26/25 20:40	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011 Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**48.0**	mg/L	25.0	1	01/01/26 01:59	01/01/26 05:21		

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ANALYTICAL RESULTS

Project: Prince William County
Pace Project No.: 92836494

Sample: MAN **Lab ID: 92836494002** Collected: 12/22/25 16:32 Received: 12/24/25 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
350.1 Ammonia EDN	Analytical Method: EPA 350.1 Rev 2.0 1993 Pace Analytical Services - Eden							
Nitrogen, Ammonia	**1.6**	mg/L	0.10	1		12/26/25 12:10	7664-41-7	
200.8 MET ICPMS	Analytical Method: EPA 200.8 Preparation Method: EPA 200.8 Pace Analytical Services - Minneapolis							
Copper	**155**	ug/L	2.0	2	12/31/25 05:45	01/02/26 13:10	7440-50-8	
Lead	**16.1**	ug/L	0.50	1	12/31/25 05:45	12/31/25 15:05	7439-92-1	
Nickel	**12.7**	ug/L	0.50	1	12/31/25 05:45	12/31/25 15:05	7440-02-0	
Zinc	**330**	ug/L	5.0	1	12/31/25 05:45	12/31/25 15:05	7440-66-6	
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020 Pace Analytical Services - Asheville							
Total Suspended Solids	**86.2**	mg/L	7.7	1		12/27/25 10:15		
9040 pH	Analytical Method: EPA 9040C Pace Analytical Services - Asheville							
pH at 25 Degrees C	**6.9**	Std. Units	0.10	1		01/05/26 17:55		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation Pace Analytical Services - Asheville							
Total Nitrogen	**11.9**	mg/L	0.040	1		01/15/26 14:53		
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**11.4**	mg/L	0.50	1	01/14/26 21:14	01/15/26 06:03	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.51**	mg/L	0.040	1		12/31/25 15:21		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Phosphorus	**0.35**	mg/L	0.050	1	12/26/25 16:10	12/26/25 20:41	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011 Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**422**	mg/L	25.0	1	01/01/26 01:59	01/01/26 05:21		

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 981553
QC Batch Method: EPA 350.1 Rev 2.0 1993
Analysis Method: EPA 350.1 Rev 2.0 1993
Analysis Description: 350.1 Ammonia, EDN
Laboratory: Pace Analytical Services - Eden
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5047245
Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	12/26/25 11:48	

LABORATORY CONTROL SAMPLE: 5047246

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5047247 5047248

Parameter	Units	92836238002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Ammonia	mg/L	ND	5	5	5.2	5.1	103	103	90-110	0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5047249 5047250

Parameter	Units	92836242001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Ammonia	mg/L	1.94	5	5	7.1	7.1	102	102	90-110	0	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 1047096
QC Batch Method: EPA 200.8
Analysis Method: EPA 200.8
Analysis Description: 200.8 MET
Laboratory: Pace Analytical Services - Minneapolis
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5448207
Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	1.0	12/31/25 14:56	
Lead	ug/L	ND	0.50	12/31/25 14:56	
Nickel	ug/L	ND	0.50	12/31/25 14:56	
Zinc	ug/L	ND	5.0	12/31/25 14:56	

LABORATORY CONTROL SAMPLE: 5448208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	100	105	105	85-115	
Lead	ug/L	100	100	100	85-115	
Nickel	ug/L	100	103	103	85-115	
Zinc	ug/L	100	99.6	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5448209 5448210

Parameter	Units	92836494001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Copper	ug/L	15.0	100	100	119	119	104	104	70-130	1	
Lead	ug/L	0.71	100	100	100	100	100	100	70-130	0	
Nickel	ug/L	3.2	100	100	104	107	100	103	70-130	3	
Zinc	ug/L	119	100	100	226	229	107	110	70-130	1	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 981668
QC Batch Method: SM 2540D-2020
Analysis Method: SM 2540D-2020
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5047683
Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	1.0	12/27/25 10:14	

LABORATORY CONTROL SAMPLE: 5047684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	250	232	93	90-110	

SAMPLE DUPLICATE: 5047704

Parameter	Units	92836494002 Result	Dup Result	RPD	Qualifiers
Total Suspended Solids	mg/L	86.2	90.8	5	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 982794
QC Batch Method: EPA 9040C
Analysis Method: EPA 9040C
Analysis Description: 9040 pH
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001, 92836494002

SAMPLE DUPLICATE: 5052145

Parameter	Units	92835906001 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	8.0	8.0	1	H3

SAMPLE DUPLICATE: 5052146

Parameter	Units	92835906003 Result	Dup Result	RPD	Qualifiers
pH at 25 Degrees C	Std. Units	9.0	9.0	0	H3

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 982759
QC Batch Method: EPA 351.2 Rev 2.0 1993
Analysis Method: EPA 351.2 Rev 2.0 1993
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001

METHOD BLANK: 5051999
Matrix: Water
Associated Lab Samples: 92836494001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.50	01/06/26 03:54	

LABORATORY CONTROL SAMPLE: 5052000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5052001 5052002

Parameter	Units	92835983001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	ND	10	10	10.7	10.3	105	101	90-110	4	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5052003 5052004

Parameter	Units	92835983002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	0.65	10	10	11.5	10.7	109	101	90-110	7	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 984665
QC Batch Method: EPA 351.2 Rev 2.0 1993
Analysis Method: EPA 351.2 Rev 2.0 1993
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494002

METHOD BLANK: 5062335 Matrix: Water
Associated Lab Samples: 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.50	01/15/26 06:01	

LABORATORY CONTROL SAMPLE: 5062336

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10	9.6	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5062337 5062338

Parameter	Units	92837529001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	20.9	10	10	37.0	33.8	161	129	90-110	9	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5062339 5062340

Parameter	Units	92837529002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	2.9	10	10	12.8	12.3	99	94	90-110	4	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 982214
QC Batch Method: EPA 353.2 Rev 2.0 1993
Analysis Method: EPA 353.2 Rev 2.0 1993
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5049721 Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.040	12/31/25 15:16	

LABORATORY CONTROL SAMPLE: 5049722

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5049723 5049724

Parameter	Units	92836494001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.40	2.5	2.5	2.8	2.8	94	94	90-110	0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5049725 5049726

Parameter	Units	92836494002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.51	2.5	2.5	2.8	2.8	92	91	90-110	0	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 981485
QC Batch Method: EPA 365.1 Rev 2.0 1993
Analysis Method: EPA 365.1 Rev 2.0 1993
Analysis Description: 365.1 Phosphorus, Total
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5047043 Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	12/26/25 19:39	

LABORATORY CONTROL SAMPLE: 5047044

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.5	2.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5047045 5047046

Parameter	Units	92835285001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phosphorus	mg/L	34.6	2.5	2.5	35.7	35.0	48	17	90-110	2	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5047047 5047048

Parameter	Units	92835286002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Phosphorus	mg/L	9.5	2.5	2.5	12.1	11.4	103	74	90-110	6	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92836494

QC Batch: 982311
QC Batch Method: SM 5220D-2011
Analysis Method: SM 5220D-2011
Analysis Description: 5220D COD
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92836494001, 92836494002

METHOD BLANK: 5050474 Matrix: Water
Associated Lab Samples: 92836494001, 92836494002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	01/01/26 05:13	

LABORATORY CONTROL SAMPLE: 5050475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	760	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5050476 5050477

Parameter	Units	92835526005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chemical Oxygen Demand	mg/L	43.5	100	100	148	145	104	102	90-110	2	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5050478 5050479

Parameter	Units	92835890001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Chemical Oxygen Demand	mg/L	36.7	100	100	136	134	100	97	90-110	2	

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QUALIFIERS

Project: Prince William County
Pace Project No.: 92836494

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

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TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Prince William County
Pace Project No.: 92836494

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92836494001	**DAL**	EPA 350.1 Rev 2.0 1993	981553		
92836494002	**MAN**	EPA 350.1 Rev 2.0 1993	981553		
92836494001	**DAL**	EPA 200.8	1047096	EPA 200.8	1047169
92836494002	**MAN**	EPA 200.8	1047096	EPA 200.8	1047169
92836494001	**DAL**	SM 2540D-2020	981668		
92836494002	**MAN**	SM 2540D-2020	981668		
92836494001	**DAL**	EPA 9040C	982794		
92836494002	**MAN**	EPA 9040C	982794		
92836494001	**DAL**	TKN+NO3+NO2 Calculation	984695		
92836494002	**MAN**	TKN+NO3+NO2 Calculation	985033		
92836494001	**DAL**	EPA 351.2 Rev 2.0 1993	982759	EPA 351.2 Rev 2.0 1993	982855
92836494002	**MAN**	EPA 351.2 Rev 2.0 1993	984665	EPA 351.2 Rev 2.0 1993	984831
92836494001	**DAL**	EPA 353.2 Rev 2.0 1993	982214		
92836494002	**MAN**	EPA 353.2 Rev 2.0 1993	982214		
92836494001	**DAL**	EPA 365.1 Rev 2.0 1993	981485	EPA 365.1 Rev 2.0 1993	981640
92836494002	**MAN**	EPA 365.1 Rev 2.0 1993	981485	EPA 365.1 Rev 2.0 1993	981640
92836494001	**DAL**	SM 5220D-2011	982311	SM 5220D-2011	982326
92836494002	**MAN**	SM 5220D-2011	982311	SM 5220D-2011	982326

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Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☑ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: WSP-VA - ORG7526

Project # WO#: 92836494

92836494

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ~~☑ Pace~~ APB 12/24/25 ☐ Other:

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: APB 12/24/25

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 93T090 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 13.6°C Correction Factor: Add/Subtract (°C) Ø

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 13.6°C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☐ No	☑ N/A	10.
Trip Blank Present?	☐ Yes	☐ No	☑ N/A	11.
Trip Blank Custody Seals Present?	☐ Yes	☐ No	☑ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92836494

Project

PM: TMC Due Date: 01/02/26

CLIENT: 92-Amec VA

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Laboratory Receiving Location: Asheville ☑ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client WSP-VA Profile/EZ (Circle one) 18501-1 Notes ORG 7526

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC		AS		AS		AS	S1																						
1		1		1		2✓	1✓																						
2		1		1		2✓	1																						
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical
www.paceanalytical.com

Sample Receiving Non-Conformance Form (NCF)

Date:	Evaluated by:
Client:	

12-29-25 Ailucker
WSP-VA

Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

WO#92836494

1. If Chain-of-Custody (COC) is not received: contact client and if necessary, fill out a COC and indicate that it was filled out by lab personnel. Note issues on this NCF. X

2. If COC is incomplete, check applicable issues below and add details where appropriate:

	Collection date/time missing or incorrect		Analyses or analytes: missing or clarification needed		Samples listed on COC do not match samples received (missing, additional, etc.)
	Sample IDs on COC do not match sample labels		Required trip blanks were not received		Required signatures are missing

Comments/Details/Other Issues not listed above:

No COC received.

3. Sample integrity issues: check applicable issues below and add details where appropriate:

	Samples: Past holding time		Samples: Condition needs to be brought to lab personnel's attention (details below)		Preservation: Improper
	Samples: Not field filtered		Containers: Broken or compromised	X	Temperature: not within acceptance criteria (typically 0-6C)
	Samples: Insufficient volume received		Containers: Incorrect		Temperature: Samples arrived frozen
	Samples: Cooler damaged or compromised		Custody Seals: Missing or compromised on samples, trip blanks or coolers		Vials received with improper headspace
	Samples: contain chlorine or sulfides		Packing Material: Insufficient/Improper		Other:

Comments/Details: Samples out of temp.

4. If Samples not preserved properly and Sample Receiving adjusts pH, add details below:

Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:
Sample ID:	Date/Time:	Amount/type pres added:
Preserved by:	Initial and Final pH:	Lot # of pres added:

5. Client Contact: If client is contacted for any issue listed above, fill in details below:

Client:	Contacted per:	
PM Initials:	Date/Time:	

Client Comments/Instructions:

F-ALL-C-011-rev.00, 05Jul2018

Pace Analytical

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

WO#92836494

ALL SHADED AREAS are for LAB USE ONLY

Company: WSP - VA

Billing Information:

Address:

Report To:

Email To:

Copy To:

Site Collection Info/Address:

Customer Project Name/Number: ORG 7526

State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone:
Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print):

Purchase Order #:
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [ ] Yes [ ] No

Sample Disposal:
[ ] Dispose as appropriate [ ] Return
[ ] Archive: _____
[ ] Hold: _____

Rush:
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day
(Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis: _____

Lab Project Manager:

Container Preservative Type **: 3 3 U 1 U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Analyses: NO_2NO_3, COD/NH_3/T Phos, pH, Metals, TSS

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	NO_2NO_3	COD/NH_3/T Phos	pH	Metals	TSS
DAL			12-22	1605				5	X	X	X	X	X
MAN			12-22	1632				5	X	X	X	X	X

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y (N)	NA
Custody Signatures Present	Y (N)	NA
Collector Signature Present	Y (N)	NA
Bottles Intact	(Y) N	NA
Correct Bottles	(Y) N	NA
Sufficient Volume	(Y) N	NA
Samples Received on Ice	Y (N)	NA
VOA - Headspace Acceptable	Y N	(NA)
USDA Regulated Soils	Y N	(NA)
Samples in Holding Time	(Y) N	NA
Residual Chlorine Present	Y (N)	NA
Cl Strips: 5325A		
Sample pH Acceptable	(Y) N	NA
pH Strips: 234722AV		
Sulfide Present	Y N	(NA)
Lead Acetate Strips: _____		

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used: None

Radchem sample(s) screened (<500 cpm): Y N (NA)

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #: 2716981

Samples received via: (FEDEX) UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: (Y) N NA
Therm ID#: 937090
Cooler 1 Temp Upon Receipt: 13.6 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments: COC made by AVL S/R

Trip Blank Received: Y N (NA)
HCL MeOH TSP Other

Non Conformance(s): (YES) / NO

Page: _____ of: _____

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
		A.Rucker/PACE/AVL	1158 12-24-25
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

January 20, 2026

Ilana Ton
WSP USA
13530 Dulles Technology Drive
Suite 300
Herndon, VA 20171

RE: Project: Prince William County
Pace Project No.: 92838666

Dear Ilana Ton:

Enclosed are the analytical results for sample(s) received by the laboratory on January 13, 2026. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Beaver

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jerry Lanier
jerry.lanier@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Garrett Stewart, WSP USA

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CERTIFICATIONS

Project:	Prince William County
Pace Project No.:	92838666

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Beaver

225 Industrial Park Road, Beaver, WV 25813
New York DOH Lab ID12167 SN69208
Virginia VELAP 460148
West Virginia DEP 060
West Virginia DHHR 00412CM
North Carolina DEQ 466
Kentucky Wastewater Certification KY90039
Pennsylvania DEP 68-00839

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SAMPLE SUMMARY

Project: Prince William County
Pace Project No.: 92838666

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92838666001	**DAL**	Water	01/12/26 16:00	01/13/26 11:16
92838666002	**MAN**	Water	01/12/26 16:30	01/13/26 11:16

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SAMPLE ANALYTE COUNT

Project: Prince William County
Pace Project No.: 92838666

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92838666001	**DAL**	EPA 200.7	AGB	4	PASI-BV
		SM 2540D-2020	ACE	1	PASI-A
		SM 4500-H+B-2021	ANG	1	PASI-A
		TKN+NO3+NO2 Calculation	KDF1	1	PASI-A
		EPA 350.1 Rev 2.0 1993	MMCN	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	EGC	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	MGW	1	PASI-A
92838666002	**MAN**	EPA 200.7	AGB	4	PASI-BV
		SM 2540D-2020	ACE	1	PASI-A
		SM 4500-H+B-2021	ANG	1	PASI-A
		TKN+NO3+NO2 Calculation	KDF1	1	PASI-A
		EPA 350.1 Rev 2.0 1993	MMCN	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	EGC	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	MGW	1	PASI-A

PASI-A = Pace Analytical Services - Asheville
PASI-BV = Pace Analytical Services - Beaver

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ANALYTICAL RESULTS

Project: Prince William County
Pace Project No.: 92838666

Sample: DAL **Lab ID: 92838666001** Collected: 01/12/26 16:00 Received: 01/13/26 11:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.7 Metals Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.2							
	Pace Analytical Services - Beaver							
Copper	**9.4**	ug/L	6.0	1	01/19/26 10:54	01/19/26 18:43	7440-50-8	
Lead	ND	ug/L	10.0	1	01/19/26 10:54	01/19/26 18:43	7439-92-1	
Nickel	ND	ug/L	5.0	1	01/19/26 10:54	01/19/26 18:43	7440-02-0	
Zinc	**91.5**	ug/L	20.0	1	01/19/26 10:54	01/19/26 18:43	7440-66-6	
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020							
	Pace Analytical Services - Asheville							
Total Suspended Solids	**7.3**	mg/L	1.0	1		01/13/26 14:19		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B-2021							
	Pace Analytical Services - Asheville							
pH at 25 Degrees C	**6.9**	Std. Units	0.10	1		01/16/26 09:57		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation							
	Pace Analytical Services - Asheville							
Total Nitrogen	**1.1**	mg/L	0.040	1		01/19/26 11:27		
350.1 Ammonia	Analytical Method: EPA 350.1 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, Ammonia	**0.15**	mg/L	0.10	1		01/14/26 18:52	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**0.85**	mg/L	0.50	1	01/16/26 21:46	01/17/26 06:42	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.26**	mg/L	0.040	1		01/14/26 14:34		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Phosphorus	**0.085**	mg/L	0.050	1	01/15/26 11:00	01/15/26 13:50	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011							
	Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**50.6**	mg/L	25.0	1	01/14/26 18:06	01/15/26 13:20		

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ANALYTICAL RESULTS

Project: Prince William County
Pace Project No.: 92838666

Sample: MAN **Lab ID: 92838666002** Collected: 01/12/26 16:30 Received: 01/13/26 11:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.7 Metals Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.2							
	Pace Analytical Services - Beaver							
Copper	**16.8**	ug/L	6.0	1	01/19/26 10:54	01/19/26 18:45	7440-50-8	
Lead	ND	ug/L	10.0	1	01/19/26 10:54	01/19/26 18:45	7439-92-1	
Nickel	ND	ug/L	5.0	1	01/19/26 10:54	01/19/26 18:45	7440-02-0	
Zinc	**50.4**	ug/L	20.0	1	01/19/26 10:54	01/19/26 18:45	7440-66-6	
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020							
	Pace Analytical Services - Asheville							
Total Suspended Solids	**3.5**	mg/L	1.0	1		01/13/26 14:19		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B-2021							
	Pace Analytical Services - Asheville							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		01/16/26 10:04		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation							
	Pace Analytical Services - Asheville							
Total Nitrogen	**1.6**	mg/L	0.040	1		01/19/26 11:27		
350.1 Ammonia	Analytical Method: EPA 350.1 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, Ammonia	ND	mg/L	0.10	1		01/14/26 18:56	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**1.1**	mg/L	0.50	1	01/16/26 21:46	01/17/26 06:43	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.45**	mg/L	0.040	1		01/14/26 14:39		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Phosphorus	**0.12**	mg/L	0.050	1	01/15/26 11:00	01/15/26 13:52	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011							
	Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**39.0**	mg/L	25.0	1	01/14/26 18:06	01/15/26 13:21		

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 795586
QC Batch Method: EPA 200.2
Analysis Method: EPA 200.7
Analysis Description: BVR 200.7 Metals, Total
Laboratory: Pace Analytical Services - Beaver
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 3881891 Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	6.0	01/19/26 18:03	
Lead	ug/L	ND	10.0	01/19/26 18:03	
Nickel	ug/L	ND	5.0	01/19/26 18:03	
Zinc	ug/L	ND	20.0	01/19/26 18:03	

LABORATORY CONTROL SAMPLE: 3881892

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	2000	2150	107	85-115	
Lead	ug/L	2000	2120	106	85-115	
Nickel	ug/L	2000	2090	105	85-115	
Zinc	ug/L	2000	2130	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3881893 3881894

Parameter	Units	30839785001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	ND	2000	2000	2360	2420	118	121	70-130	3	20	
Lead	ug/L	ND	2000	2000	2310	2370	116	119	70-130	2	20	
Nickel	ug/L	3.7J	2000	2000	2280	2350	114	117	70-130	3	20	
Zinc	ug/L	ND	2000	2000	2340	2400	117	120	70-130	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3881895 3881896

Parameter	Units	30839828001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	ND	2000	2000	2250	2210	112	110	70-130	2	20	
Lead	ug/L	ND	2000	2000	2250	2220	112	111	70-130	1	20	
Nickel	ug/L	ND	2000	2000	2170	2140	108	107	70-130	1	20	
Zinc	ug/L	ND	2000	2000	2220	2200	111	110	70-130	1	20	

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(704)875-9092

QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 984360
QC Batch Method: SM 2540D-2020
Analysis Method: SM 2540D-2020
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5060630
Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	1.0	01/13/26 14:16	

LABORATORY CONTROL SAMPLE & LCSD: 5060631 5060806

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	250	234	238	94	95	90-110	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 985067
QC Batch Method: SM 4500-H+B-2021
Analysis Method: SM 4500-H+B-2021
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

SAMPLE DUPLICATE: 5064597

Parameter	Units	92838666001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.9	6.9	0	10	H3

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 984487
QC Batch Method: EPA 350.1 Rev 2.0 1993
Analysis Method: EPA 350.1 Rev 2.0 1993
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5061558
Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	01/14/26 18:44	

LABORATORY CONTROL SAMPLE: 5061559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5061560 5061561

Parameter	Units	92838510001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	2.6	5	5	7.8	7.7	104	104	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5061562 5061563

Parameter	Units	92838666001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.15	5	5	5.3	5.3	103	103	90-110	0	10	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 985364
QC Batch Method: EPA 351.2 Rev 2.0 1993
Analysis Method: EPA 351.2 Rev 2.0 1993
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5066298
Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.50	01/17/26 06:46	

LABORATORY CONTROL SAMPLE: 5066299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10	10.4	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5066300 5066301

Parameter	Units	92838529001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	24.6	10	10	34.2	34.8	95	102	90-110	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 984394
QC Batch Method: EPA 353.2 Rev 2.0 1993
Analysis Method: EPA 353.2 Rev 2.0 1993
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5060886 Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.040	01/14/26 14:31	

LABORATORY CONTROL SAMPLE: 5060887

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5060888 5060889

Parameter	Units	92838666001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.26	2.5	2.5	2.6	2.7	95	96	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5060890 5060891

Parameter	Units	92838666002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.45	2.5	2.5	2.9	2.8	98	96	90-110	2	10	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 984524
QC Batch Method: EPA 365.1 Rev 2.0 1993
Analysis Method: EPA 365.1 Rev 2.0 1993
Analysis Description: 365.1 Phosphorus, Total
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5061673 Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	01/15/26 13:27	

LABORATORY CONTROL SAMPLE: 5061674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.5	2.7	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5061675 5061676

Parameter	Units	92838466001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	0.10	2.5	2.5	3.0	2.8	115	109	90-110	5	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5061677 5061678

Parameter	Units	92838606001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	ND	2.5	2.5	2.7	2.8	107	113	90-110	5	10	M1

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 984691
QC Batch Method: SM 5220D-2011
Analysis Method: SM 5220D-2011
Analysis Description: 5220D COD
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5062497
Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	01/15/26 13:18	

LABORATORY CONTROL SAMPLE: 5062498

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	743	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5062499 5062500

Parameter	Units	92837836001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	866	100	100	963	973	98	107	90-110	1	3	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5062501 5062502

Parameter	Units	92838666001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	50.6	100	100	160	155	109	104	90-110	3	3	

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QUALIFIERS

Project: Prince William County
Pace Project No.: 92838666

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Prince William County
Pace Project No.: 92838666

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92838666001	**DAL**	EPA 200.2	795586	EPA 200.7	795650
92838666002	**MAN**	EPA 200.2	795586	EPA 200.7	795650
92838666001	**DAL**	SM 2540D-2020	984360		
92838666002	**MAN**	SM 2540D-2020	984360		
92838666001	**DAL**	SM 4500-H+B-2021	985067		
92838666002	**MAN**	SM 4500-H+B-2021	985067		
92838666001	**DAL**	TKN+NO3+NO2 Calculation	985579		
92838666002	**MAN**	TKN+NO3+NO2 Calculation	985579		
92838666001	**DAL**	EPA 350.1 Rev 2.0 1993	984487		
92838666002	**MAN**	EPA 350.1 Rev 2.0 1993	984487		
92838666001	**DAL**	EPA 351.2 Rev 2.0 1993	985364	EPA 351.2 Rev 2.0 1993	985394
92838666002	**MAN**	EPA 351.2 Rev 2.0 1993	985364	EPA 351.2 Rev 2.0 1993	985394
92838666001	**DAL**	EPA 353.2 Rev 2.0 1993	984394		
92838666002	**MAN**	EPA 353.2 Rev 2.0 1993	984394		
92838666001	**DAL**	EPA 365.1 Rev 2.0 1993	984524	EPA 365.1 Rev 2.0 1993	984950
92838666002	**MAN**	EPA 365.1 Rev 2.0 1993	984524	EPA 365.1 Rev 2.0 1993	984950
92838666001	**DAL**	SM 5220D-2011	984691	SM 5220D-2011	984803
92838666002	**MAN**	SM 5220D-2011	984691	SM 5220D-2011	984803

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Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville [X] Eden [ ] Greenwood [ ] Huntersville [ ] Raleigh [ ] Mechanicsville [ ] Atlanta [ ] Kernersville [ ]

Sample Condition Upon Receipt

Client Name: WSP - VA

Project #: **WO# : 92838666**

92838666

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [ ] Pace [ ] Other:____

Custody Seal Present? [X] Yes [ ] No Seals Intact? [X] Yes [ ] No [ ] N/A

Date/Initials Person Examining Contents: 1/13/26 AW

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [X] None [ ] Other

Biological Tissue Frozen? [ ] Yes [ ] No [X] N/A

Thermometer: [ ] IR Gun ID: 93T090

Type of Ice: [X] Wet [ ] Blue [ ] None

Cooler Temp: 1.8 Correction Factor: Add/Subtract (°C) –

Temp should be above freezing to 6°C

[ ] Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.8

USDA Regulated Soil ([X] N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? [ ] Yes [ ] No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? [ ] Yes [ ] No

				Comments/Discrepancy:
Chain of Custody Present?	[X] Yes	[ ] No	[ ] N/A	1.
Samples Arrived within Hold Time?	[X] Yes	[ ] No	[ ] N/A	2.
Short Hold Time Analysis (<72 hr.)?	[ ] Yes	[ ] No	[X] N/A	3.
Rush Turn Around Time Requested?	[ ] Yes	[ ] No	[X] N/A	4.
Sufficient Volume?	[X] Yes	[ ] No	[ ] N/A	5.
Correct Containers Used?	[X] Yes	[ ] No	[ ] N/A	6.
-Pace Containers Used?	[X] Yes	[ ] No	[ ] N/A	
Containers Intact?	[X] Yes	[ ] No	[ ] N/A	7.
Dissolved analysis: Samples Field Filtered?	[ ] Yes	[ ] No	[X] N/A	8.
Sample Labels Match COC?	[X] Yes	[ ] No	[ ] N/A	9.
-Includes Date/Time/ID/Analysis Matrix: OT-water				
Headspace in VOA Vials (>5-6mm)?	[ ] Yes	[ ] No	[X] N/A	10.
Trip Blank Present?	[ ] Yes	[ ] No	[X] N/A	11.
Trip Blank Custody Seals Present?	[ ] Yes	[ ] No	[X] N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? [ ] Yes [ ] No

Pace CUSTODY SEAL

SIGNATURE [signature]

DATE 1/12/26

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # **WO#: 92838666**

PM: JAL Due Date: 01/20/26
CLIENT: 92-Amec VA

Laboratory Receiving Location: Asheville [X] Eden [ ] Greenwood [ ] Huntersville [ ] Raleigh [ ] Mechanicsville [ ] Atlanta [ ] Kernersville [ ]

Client WSP - VA Profile/EZ (Circle one) 8125 - 1 Notes SL20MET

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC	AS			AS		AS	SI																						
1	1			1		2 ✓	1 ✓																						
2	1			1		2 ✓	1 ✓																						
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company: Wood/WSP

Address: 13530 Dulles Technology Dr #300, Herndon, VA 20171

Billing Information: Attn: mary.halley@wsp.com

Report To: Ilana Ton

Email To: ilana.ton@wsp.com

Copy To:

Site Collection Info/Address: Prince William County / Manassas, VA and Woodbridge, VA

Customer Project Name/Number: US0039765.6753, ORG 7526, GL Code 5730-00

State: VA County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET

Phone: 703 488 3778
Email: ilana.ton@wsp.com

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print):

Purchase Order # :
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal:
[X] Dispose as appropriate
[ ] Return
[ ] Archive: _____
[ ] Hold:

Rush: (Expedite Charges Apply)
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day
[ ] 4 Day [X] 5 Day

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **: U | 1 | 2 | 2 | U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	SM 2540D-2015 TSS	200.7 Metals	EPA 351.2 TKN/ EPA 353.2 NO2 + NO3	EPA 350.1 Ammonia/EPA 365.1 Phosphorus/ SM 5220D-2011 COD	SM 4500-H+B-2011 pH					
DAL	OT-Water	Comp	1/12/26	1600				5	P	X	X	x	x	x					
MAN	OT-Water	Comp	1/12/26	1630				5	P	X	X	X	X	X					

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: 5270A
Sample pH Acceptable Y N NA
pH Strips: 2317322-N
Sulfide Present Y N NA
Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:
928386666

Customer Remarks / Special Conditions / Possible Hazards:
Prince William County/
US0039765.6753, ORG 7526, GL Code 5730-00
Pace PM Taylor Cannon
200.7: Cu, Pb, Ni, Zn

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 927090
Cooler 1 Temp Upon Receipt: 1.0 oC
Cooler 1 Therm Corr. Factor: — oC
Cooler 1 Corrected Temp: 1.0 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ilana Ton/WSP	1/12/26 1800	Pace	1/13/26 11:16
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Wet Weather Monitoring Report

First Quarter 2026 (January 1 – March 31)
Event Dates:
Dale City January 9, 2026
Manassas February 15, 2026

Prepared for:

Prince William County Department of Public Works
5 County Complex Court, Suite 170
Prince William, Virginia 22192

Prepared by:
WSP USA Environment & Infrastructure, Inc.
13530 Dulles Technology Drive, Suite 300
Herndon, VA 20171
(703) 742-5700

April 7, 2026
Project No. US0050435.2303

1.0 INTRODUCTION

WSP USA Environment & Infrastructure Solutions, Inc. (WSP) conducts quarterly wet weather monitoring at two outfall sites to support Prince William County in compliance with the requirements of the Virginia Stormwater Management Program (VSMP) Municipal Separate Storm Sewer System (MS4) Permit (Number VA0088595), issued by the Virginia Department of Environmental Quality (VDEQ) to Prince William County, Virginia. This report discusses the results of the Q1 sampling events that occurred from January 9 to January 11, 2026, at the Dale City monitoring site and from February 15 to February 16, 2026.

2.0 METHODS

Flow rate data were collected at the outfalls by an ISCO 6712 automated sampler coupled with an ISCO 730 bubbler flow module, installed with a Scissors Ring. Flow rate over the course of the sampling events were electronically calculated using ISCO Flowlink 5.1 software, which utilizes the Manning Equation to convert flow level and velocity to flow rate. Replacement ISCO 730 bubble flow modules have been installed at both sites beginning in Q1 of 2023.

SITE #941; MANASSAS, VA

Site #941 is located near 11850 Livingston Road. The site receives a total of 52 acres of upstream drainage area from a land surface that is 34% impervious. County data documents that the pipe is 54 inches in diameter with a slope of 0.03437. This site is subject to backwater conditions as water levels within the downstream pond have risen over the previous two years. Maintenance is recommended to ensure the continued efficacy of the monitoring program at this site. Backwater at the site extends too far upstream into the pipe and would require confined space entry to install equipment. Accommodations are made in the sampling program, as described in further detail in the following section.

SITE #4684; DALE CITY, VA

Site #4684 is located near the corner of Potomac Center Blvd. and Sheffield Hill Way, north of Eastbourne Drive. It drains into a regional detention pond for the Potomac Club residential development. Upstream drainage totals 51 acres, 21% of which is from impervious surfaces. The pipe is 54 inches in diameter with a slope of 0.002593. Storm events at this site are flashy in nature, which is accounted for by programming shorter sample intervals, if necessary, based upon forecast conditions.

The automated samplers were deployed when a qualifying storm event (>0.3 inches precipitation) was forecast for the two monitoring sites. WSP staff deployed the samplers at the Dale City site on January 9, 2026, and at the Manassas site on February 15, 2026. WSP staff programmed the samplers' automated, discrete sampling sequence to initiate upon flow levels exceeding current water levels in each pipe.

Rain gauge data were compiled from monitoring stations in the Weather Underground monitoring network. The data is accessible online and provided hourly precipitation totals over the monitoring period. Gages are prioritized based on the makeup of the data record (reporting interval) and proximity to monitoring locations.

Following the storm event, staff retrieved the samples and prepared them for shipment to Pace Analytical for water quality analysis. To compile the complete set of discrete samples into a single

flow-weighted composite, Flowlink software calculated the storm event discharge using the Manning Equation:

Equation 1: Manning Equation used to calculate flow rate.

$$Q = VA = \left(\frac{1.49}{n}\right) A R^{\frac{2}{3}} \sqrt{S} \text{ [US]}$$

Q = Flow rate
A = Flow area
V = Avg. velocity
S = Water surface slope
R = Hydraulic Radius
n = Roughness coefficient
1.49 = English units conversion factor

Channel slopes were determined using invert elevations reported in the stormwater infrastructure geospatial data provided by Prince William County. Using flow levels reported by the ISCO samplers, the area and hydraulic radius inside the sampled outfalls could be computed for a given time interval. A Manning's *n* value of 0.013 was assumed for the concrete pipes[1]. Two sampling programs were implemented to accommodate different conditions between the sites.

Manassas Sampling Program
Although a replacement bubbler module has been installed, the ponded site conditions continue to provide inaccurate water level readings at the Manassas site and fluctuates during static water conditions. To accommodate the unreliable equipment readings due to the site conditions, the ISCO sampler at the Manassas site was programed to collect on a time-paced program. Samples were collected at a pre-set time interval over the course of the storm.

During the event, the sampling was set as a time-paced program to collect discrete samples every 30 minutes, then composited into a single container.

Dale City Sampling Program
During the event, the sampler at Dale City was programed to collect on a time-paced program. The sampler collected discrete samples every 30 minutes, then composited into a single container.

[1] Chow, V.T. (1959) Open Channel Hydraulics. McGraw-Hill, New York.

3.0 RESULTS

SITE #941; MANASSAS, VA

Sampling occurred from 14:00 on February 15, 2026, to 01:30 on February 16, 2026. Weather Underground Station KVAMANAS91 in Manassas, VA recorded 0.66 inches of precipitation over this same period. The previous storm event was recorded on January 29, 2026, producing 0.01 inches of precipitation.

SITE #4684; DALE CITY, VA

Sampling occurred from 8:40 to 20:10 on January 10, 2026. Weather Underground Station KVAWOODB86 in Woodbridge, VA recorded 0.83 inches of precipitation over this same period. The previous storm event was recorded on December 23, 2025, producing 0.06 inches of precipitation.

Samples from both sites were retained under refrigeration until they were composited and shipped overnight to Pace Analytical Services in Asheville, NC.

3.1 FLOW DATA

SITE #941; MANASSAS, VA

Flow rate reached 15.752 cfs. The storm event hydrograph compared with cumulative volume can be seen in Figure 1. Table 1 lists the proportion of each sample mixed with the flow-weighted composite. The flow-weighted composite volume was adjusted to incorporate representative volumes from the collected samples.

Flow rate and volume are calculated by measuring changes in water level over time. Backwater effects are impacting flow meter readings at the outfall point of discharge. Backwater conditions cause elevated readings for flow volume and flow rate.

Figure 1: Flow data over time for the storm event at Site #941 on February 15, 2026

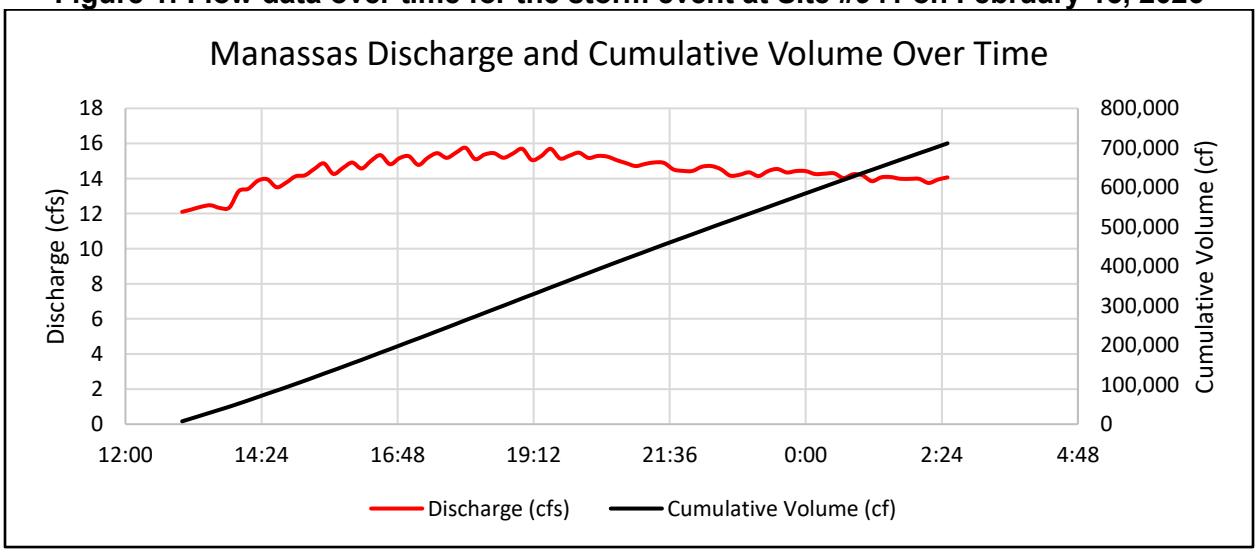

Table 1: Summary of Flow Weighted Composite – Site #941

Bottle #	Time of Sample	Volume (cf)	% of Flow	Flow Weighted Volume (mL)*
1	2/15/2026 14:00	7407.31	3.51%	176
2	2/15/2026 14:30	8322.85	3.95%	197
3	2/15/2026 15:00	8259.16	3.92%	196
4	2/15/2026 15:30	8731.02	4.14%	207
5	2/15/2026 16:00	8759.45	4.16%	208
6	2/15/2026 16:30	9008.58	4.27%	214
7	2/15/2026 17:00	9097.24	4.32%	216
8	2/15/2026 17:30	9110.29	4.32%	216
9	2/15/2026 18:00	9288.3	4.41%	220
10	2/15/2026 18:30	9220.14	4.38%	219
11	2/15/2026 19:00	9254.21	4.39%	220
12	2/15/2026 19:30	9167.79	4.35%	218
13	2/15/2026 20:00	9183.49	4.36%	218
14	2/15/2026 20:30	9173.02	4.35%	218
15	2/15/2026 21:00	8925.34	4.24%	212
16	2/15/2026 21:30	8951.33	4.25%	212
17	2/15/2026 22:00	8661.34	4.11%	205
18	2/15/2026 22:30	8826.75	4.19%	209
19	2/15/2026 23:00	8530.13	4.05%	202
20	2/15/2026 23:30	8653.61	4.11%	205
21	2/16/2026 0:00	8658.76	4.11%	205
22	2/16/2026 0:30	8566.09	4.06%	203
23	2/16/2026 1:00	8545.54	4.05%	203
24	2/16/2026 1:30	8442.95	4.01%	200

*5.0 L sample

SITE #4684; DALE CITY, VA

Flow rate reached 14.337 cfs. The storm event hydrograph compared with cumulative volume can be seen in Figure 2. Table 2 lists the proportion of each sample mixed with the flow-weighted composite. The flow-weighted composite volume was adjusted to incorporate representative volumes from the collected samples.

Figure 2: Flow data over time for the storm event at Site #4684 on January 10, 2026

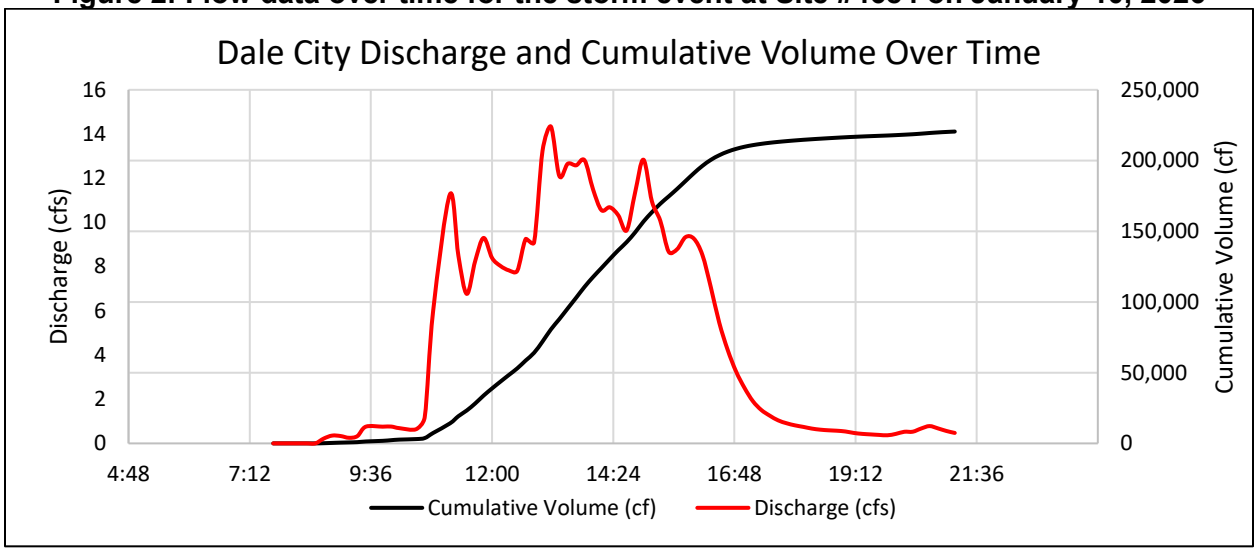

Table 2: Summary of Flow Weighted Composite – Site #4684

Bottle #	Time of Sample	Volume (cf)	% of Flow	Flow Weighted Volume (mL)*
1	1/10/2026 8:40	131.931	0.18%	9
2	1/10/2026 9:10	152.119	0.20%	10
3	1/10/2026 9:40	438.389	0.58%	29
4	1/10/2026 10:10	413.623	0.55%	28
5	1/10/2026 10:40	713.231	0.95%	47
6	1/10/2026 11:10	6764.62	9.00%	450
7	1/10/2026 11:40	4953.99	6.59%	330
8	1/10/2026 12:10	4818.66	6.41%	321
9	1/10/2026 12:40	5550.2	7.39%	369
10	1/10/2026 13:10	8602.23	11.45%	573
11	1/10/2026 13:40	7550.67	10.05%	503
12	1/10/2026 14:10	6333.64	8.43%	422
13	1/10/2026 14:40	5783.48	7.70%	385
14	1/10/2026 15:10	6574.82	8.75%	438
15	1/10/2026 15:40	5272.41	7.02%	351
16	1/10/2026 16:10	5118.88	6.81%	341
17	1/10/2026 16:40	2544.6	3.39%	169
18	1/10/2026 17:10	1146.94	1.53%	76
19	1/10/2026 17:40	626.194	0.83%	42
20	1/10/2026 18:10	448.118	0.60%	30
21	1/10/2026 18:40	355.896	0.47%	24
22	1/10/2026 19:10	283.98	0.38%	19
23	1/10/2026 19:40	230.123	0.31%	15
24	1/10/2026 20:10	315.603	0.42%	21

*5.0 L sample

3.2 LABORATORY ANALYTICAL RESULTS

Samples were sent to Pace Analytical Services, Inc. lab in Asheville, NC for analysis, with Analytical Parameters tested listed in **Table 3**.

Table 3: Analytical Parameters

Analyte	Analysis Method
Copper	EPA 200.7
Lead	EPA 200.7
Nickel	EPA 200.7
Zinc	EPA 200.7
Total Suspended Solids	SM 2540D
pH	4500H+ pH, Electrometric
Ammonia	EPA 350.1 1993 Rev 2.0
Total Kjeldahl Nitrogen	EPA 351.2
Nitrate + Nitrite Nitrogen	EPA 353.2
Total Phosphorus	EPA 365.1
Chemical Oxygen Demand	SM 5220D

Table 4: Results of Water Quality Analysis

	Analyte	Analyte Value*	Analyte Unit	Reporting Limit	Exceedance Criterion	Criterion Basis
Manassas (#941)	Copper	64.8	µg/L	6.0	13	a
	Lead	13.6	µg/L	10.0	120	a
	Nickel	9.4	µg/L	5.0	180	a
	Zinc	114	µg/L	20.0	120	a
	Total Suspended Solids	106	mg/L	6.7	100	b
	Nitrogen, Ammonia	2	mg/L	0.10	-	-
	Nitrogen, Kjeldahl, Total	3.7	mg/L	0.50	-	-
	Nitrogen, NO_2 plus NO_3	0.26	mg/L	0.040	-	-
	Total Nitrogen	4.0	mg/L	0.040	2.2	c
	Phosphorus, Total	1.3	mg/L	0.050	2	b
	Chemical Oxygen Demand	468	mg/L	25	120	b
	pH	7.6	Std. Units	0.10	6.0-9.0	d
Dale City (#4684)	Copper	9.4	µg/L	6.0	13	a
	Lead	ND	µg/L	10.0	120	a
	Nickel	ND	µg/L	5.0	180	a
	Zinc	91.5	µg/L	20.0	120	a
	Total Suspended Solids	7.3	mg/L	1.0	100	b
	Nitrogen, Ammonia	0.15	mg/L	0.10	-	-
	Nitrogen, Kjeldahl, Total	0.85	mg/L	0.50	-	-
	Nitrogen, NO_2 plus NO_3	0.26	mg/L	0.040	-	-
	Total Nitrogen	1.1	mg/L	0.040	2.2	c
	Phosphorus, Total	0.085	mg/L	0.050	2	b
	Chemical Oxygen Demand	50.6	mg/L	25.0	120	b
	pH	6.9	Std. Units	0.10	6.0-9.0	d

[a] State Water Quality Control Board Acute Standards for Surface Water Quality. Value is based on an assumed hardness of 100 mg/L.
[b] Based on benchmark criteria for the VPDES Industrial Stormwater General Permit.
[c] The sum of Nitrogen as Ammonia, NO_2, NO_3, and Total Kjeldahl Nitrogen.
[d] Based on numeric effluent limitations noted in the VPDES Permit for Discharge of Stormwater Associated with Industrial Activity.
* Values highlighted in red were found to be in exceedance of their respective criterion.
ND = The analyte was not detected above specified reporting limit.

4.0 SUMMARY

There exceedances for Copper, Total Suspended Solids, Total Nitrogen, and Chemical Oxygen Demand at the Manassas Site during the 2026 Q1 sampling event. Exceedance tracking for parameters of concern are illustrated in **Figure 3** below.

Figure 3: Exceedance Tracking for the Wet Weather Monitoring Program

Manassas (#941)	2016		2017				2018				2019				2020				2021				2022				2023				2024				2025				2026
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Copper	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x			x	x		x	x	x	x	x	x	x			x	x	x	x	x	x
Lead																																							
Nickel																																							
Zinc	x		x	x	x	x	x	x							x	x							x	x											x		x		
Total Suspended Solids						x	x								x	x							x	x							x				x				x
Total Nitrogen					x	x	x				x												x	x			x								x				x
Phosphorus, Total																																							
Chemical Oxygen Demand		x				x	x								x								x	x											x		x		x
pH						x												x																					

Dale City (#4684)	2016		2017				2018				2019				2020				2021				2022				2023				2024				2025				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2*	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q4
Copper	x		x	x	x	x	x	--		x	x											x	x	x				x			x				x			x	
Lead								--																															
Nickel								--																															
Zinc			x		x	x	x	--																							x				x				
Total Suspended Solids						x		--																											x				
Total Nitrogen	x	x	x	x		x	x	--			x																			x					x				
Phosphorus, Total								--																															
Chemical Oxygen Demand						x	x	--																											x				
pH		x		x		x		--									x					x																	

* No sample collected at #4684 during Q2 2018.

APPENDIX A

PHOTO LOG OF SITE CONDITIONS

Wet Weather Monitoring Q1 Report
Prince William County, VA
Photographic Log

Site: Dale City Station

Photo: 1

Date: 1/9/2026

Description: Dale City sampler set up overview.

Site: Dale City Station

Photo: 2

Date: 1/9/2026

Description: Dale City Outfall. Note iron floc in discharge.

Prince William County Wet Weather Monitoring Q1
Project No. US0050435.2303

April 6, 2026
Prince William County, VA

Site: Manassas Station

Photo: 3

Date: 2/15/2026

Description: Manassas sampler set up overview.

Site: Manassas Station

Photo: 4

Date: 2/15/2026

Description: Manassas outfall. Note Ponded water.

APPENDIX B

WATER QUALITY LABORATORY RESULTS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

March 02, 2026

Ilana Ton
WSP USA
13530 Dulles Technology Drive
Suite 300
Herndon, VA 20171

RE: Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

Dear Ilana Ton:

Enclosed are the analytical results for sample(s) received by the laboratory on February 17, 2026. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Beaver

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jerry Lanier
jerry.lanier@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Garrett Stewart, WSP USA

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project:	PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.:	92844458

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Beaver

225 Industrial Park Road, Beaver, WV 25813
New York DOH Lab ID12167 SN69208
Virginia VELAP 460148
West Virginia DEP 060
West Virginia DHHR 00412CM
North Carolina DEQ 466
Kentucky Wastewater Certification KY90039
Pennsylvania DEP 68-00839

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92844458001	**MAN**	Water	02/16/26 14:00	02/17/26 10:53

REPORT OF LABORATORY ANALYSIS

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92844458001	**MAN**	EPA 200.7	AGB	4	PASI-BV
		SM 2540D-2020	ACE	1	PASI-A
		SM 4500-H+B-2021	MDW	1	PASI-A
		TKN+NO3+NO2 Calculation	KDF1	1	PASI-A
		EPA 350.1 Rev 2.0 1993	MMCN	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	CEM	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	MGW	1	PASI-A

PASI-A = Pace Analytical Services - Asheville
PASI-BV = Pace Analytical Services - Beaver

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

ANALYTICAL RESULTS

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

Sample: MAN **Lab ID: 92844458001** Collected: 02/16/26 14:00 Received: 02/17/26 10:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.7 Metals Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.2 Pace Analytical Services - Beaver							
Copper	**64.8**	ug/L	6.0	1	02/19/26 23:17	02/20/26 14:52	7440-50-8	
Lead	**13.6**	ug/L	10.0	1	02/19/26 23:17	02/20/26 14:52	7439-92-1	
Nickel	**9.4**	ug/L	5.0	1	02/19/26 23:17	02/20/26 14:52	7440-02-0	
Zinc	**114**	ug/L	20.0	1	02/19/26 23:17	02/20/26 14:52	7440-66-6	
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020 Pace Analytical Services - Asheville							
Total Suspended Solids	**106**	mg/L	6.7	1		02/18/26 15:18		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B-2021 Pace Analytical Services - Asheville							
pH at 25 Degrees C	**7.6**	Std. Units	0.10	1		02/19/26 12:35		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation Pace Analytical Services - Asheville							
Total Nitrogen	**4.0**	mg/L	0.040	1		03/02/26 08:25		
350.1 Ammonia	Analytical Method: EPA 350.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Ammonia	**2.0**	mg/L	0.10	1		02/25/26 20:13	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**3.7**	mg/L	0.50	1	02/27/26 15:33	02/28/26 04:18	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.26**	mg/L	0.040	1		02/25/26 08:36		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Phosphorus	**1.3**	mg/L	0.050	1	02/26/26 14:22	02/26/26 20:00	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011 Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**468**	mg/L	25.0	1	02/26/26 16:21	02/26/26 19:58		

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

QC Batch: 800972
QC Batch Method: EPA 200.2
Analysis Method: EPA 200.7
Analysis Description: BVR 200.7 Metals, Total
Laboratory: Pace Analytical Services - Beaver
Associated Lab Samples: 92844458001

METHOD BLANK: 3909065 Matrix: Water
Associated Lab Samples: 92844458001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	6.0	02/20/26 14:19	
Lead	ug/L	ND	10.0	02/20/26 14:19	
Nickel	ug/L	ND	5.0	02/20/26 14:19	
Zinc	ug/L	ND	20.0	02/20/26 14:19	

LABORATORY CONTROL SAMPLE: 3909066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	2000	2100	105	85-115	
Lead	ug/L	2000	2210	111	85-115	
Nickel	ug/L	2000	2170	109	85-115	
Zinc	ug/L	2000	2180	109	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3909067 3909068

Parameter	Units	30846559003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	ND	2000	2000	2040	2050	102	103	70-130	1	20	
Lead	ug/L	ND	2000	2000	2110	2130	106	106	70-130	1	20	
Nickel	ug/L	0.0056 mg/L	2000	2000	2050	2060	102	103	70-130	1	20	
Zinc	ug/L	ND	2000	2000	2110	2130	105	106	70-130	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3909069 3909070

Parameter	Units	30847143008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	ND	2000	2000	2050	2020	103	101	70-130	1	20	
Lead	ug/L	ND	2000	2000	2160	2130	108	106	70-130	1	20	
Nickel	ug/L	ND	2000	2000	2070	2040	104	102	70-130	2	20	
Zinc	ug/L	ND	2000	2000	2150	2120	107	105	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

QC Batch: 991478
QC Batch Method: SM 2540D-2020
Analysis Method: SM 2540D-2020
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92844458001

METHOD BLANK: 5096337
Matrix: Water
Associated Lab Samples: 92844458001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	1.0	02/18/26 15:16	

LABORATORY CONTROL SAMPLE & LCSD: 5096338 5096563

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	250	242	240	97	96	90-110	1	10	

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QUALITY CONTROL DATA

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

QC Batch: 991815
QC Batch Method: SM 4500-H+B-2021
Analysis Method: SM 4500-H+B-2021
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92844458001

SAMPLE DUPLICATE: 5098223

Parameter	Units	92843771004 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.0	6.0	0	10	H3

SAMPLE DUPLICATE: 5098224

Parameter	Units	92843771003 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	3.5	3.5	0	10	H3

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QUALITY CONTROL DATA

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

QC Batch: 993145
QC Batch Method: EPA 350.1 Rev 2.0 1993
Analysis Method: EPA 350.1 Rev 2.0 1993
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92844458001

METHOD BLANK: 5105272
Matrix: Water
Associated Lab Samples: 92844458001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	02/25/26 19:49	

LABORATORY CONTROL SAMPLE: 5105273

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5105274 5105275

Parameter	Units	92844391002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	30.5	5	5	35.1	36.1	91	111	90-110	3	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5105276 5105277

Parameter	Units	92844417001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	282	5	5	273	269	-190	-266	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

QC Batch: 993758
QC Batch Method: EPA 351.2 Rev 2.0 1993
Analysis Method: EPA 351.2 Rev 2.0 1993
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92844458001

METHOD BLANK: 5108777 Matrix: Water
Associated Lab Samples: 92844458001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.50	02/28/26 04:10	

LABORATORY CONTROL SAMPLE: 5108778

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10	10.2	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5108779 5108780

Parameter	Units	92845576002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	0.60	10	10	10.9	11.1	103	105	90-110	2	10	

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QUALITY CONTROL DATA

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

QC Batch: 992999
QC Batch Method: EPA 353.2 Rev 2.0 1993
Analysis Method: EPA 353.2 Rev 2.0 1993
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92844458001

METHOD BLANK: 5104597
Matrix: Water
Associated Lab Samples: 92844458001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.040	02/25/26 08:19	

LABORATORY CONTROL SAMPLE: 5104598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5104599 5104600

Parameter	Units	92845027003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.049	2.5	2.5	2.6	2.6	103	104	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5104601 5104602

Parameter	Units	92845030001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	4.8	2.5	2.5	7.3	7.3	102	101	90-110	1	10	

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QUALITY CONTROL DATA

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

QC Batch: 993271
QC Batch Method: EPA 365.1 Rev 2.0 1993
Analysis Method: EPA 365.1 Rev 2.0 1993
Analysis Description: 365.1 Phosphorus, Total
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92844458001

METHOD BLANK: 5106210
Matrix: Water
Associated Lab Samples: 92844458001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	02/26/26 19:41	

LABORATORY CONTROL SAMPLE: 5106211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.5	2.6	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5106212 5106213

Parameter	Units	92844294001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	3.8	2.5	2.5	6.3	6.5	100	107	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5106214 5106215

Parameter	Units	92844294002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	5.4	2.5	2.5	7.8	7.8	96	97	90-110	0	10	

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QUALITY CONTROL DATA

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

QC Batch: 993304
QC Batch Method: SM 5220D-2011
Analysis Method: SM 5220D-2011
Analysis Description: 5220D COD
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92844458001

METHOD BLANK: 5106301 Matrix: Water
Associated Lab Samples: 92844458001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	02/26/26 19:54	

LABORATORY CONTROL SAMPLE: 5106302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	742	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5106303 5106304

Parameter	Units	92844295001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	37.4	100	100	134	150	97	113	90-110	11	3	M1,R1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5106305 5106306

Parameter	Units	92844347005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	30.5	100	100	139	143	108	113	90-110	3	3	M1

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PRINCE WILLIAM COUNTY WEST WHE
Pace Project No.: 92844458

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92844458001	**MAN**	EPA 200.2	800972	EPA 200.7	801083
92844458001	**MAN**	SM 2540D-2020	991478		
92844458001	**MAN**	SM 4500-H+B-2021	991815		
92844458001	**MAN**	TKN+NO3+NO2 Calculation	994062		
92844458001	**MAN**	EPA 350.1 Rev 2.0 1993	993145		
92844458001	**MAN**	EPA 351.2 Rev 2.0 1993	993758	EPA 351.2 Rev 2.0 1993	993925
92844458001	**MAN**	EPA 353.2 Rev 2.0 1993	992999		
92844458001	**MAN**	EPA 365.1 Rev 2.0 1993	993271	EPA 365.1 Rev 2.0 1993	993480
92844458001	**MAN**	SM 5220D-2011	993304	SM 5220D-2011	993559

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Pace Analytical

CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE OI

ALL

WO# : 92844458

92844458

Containe.

U	1	2	2	U					

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Company: WSP

Address: 13530 Dulles Technology Dr #300, Herndon, VA 20171

Billing Information:
Attn: mary.halley@wsp.com, ilana.ton@wsp.com

Report To: Ilana Ton

Email To: ilana.ton@wsp.com

Copy To: mary.halley@wsp.com

Site Collection Info/Address: Prince William County / Manassas, VA and Woodbridge, VA

Customer Project Name/Number: Prince William County Wet Weather

State: VA | County/City: Prince William County | Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET

Phone: 703 488 3778
Email: ilana.ton@wsp.com

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): GS

Purchase Order # :
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal:
[X] Dispose as appropriate
[ ] Return
[ ] Archive: _____
[ ] Hold: _____

Rush: (Expedite Charges Apply)
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day
[ ] 4 Day [X] 5 Day

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	SM 2540D-2015 TSS	200.7 Metals	EPA 351.2 TKN/ EPA 353.2 NO2 + NO3	EPA 350.1 Ammonia/EPA 365.1 Phosphorus/ SM 5220D-2011 COD	SM 4500-H+B-2011 pH	TKN+NO3+NO2 Calculation (TN)				
~~DAL~~	~~OT-Water~~	~~Comp~~						~~5~~	~~P~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~				
MAN	OT-Water	Comp	2/16/26	2:00 pm				5	P	X	X	X	X	X	X				

Lab Profile/Line:

Lab Sample Receipt Checklist:
Custody Seals Present/Intact: Y N NA
Custody Signatures Present: Y N NA
Collector Signature Present: Y N NA
Bottles Intact: Y N NA
Correct Bottles: Y N NA
Sufficient Volume: Y N NA
Samples Received on Ice: Y N NA
VOA - Headspace Acceptable: Y N NA
USDA Regulated Soils: Y N NA
Samples in Holding Time: Y N NA
Residual Chlorine Present: Y N NA
Cl Strips: 93255A
Sample pH Acceptable: Y N NA
pH Strips: 215624
Sulfide Present: Y N NA
Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:

AP 2/17/26

Customer Remarks / Special Conditions / Possible Hazards:
Prince William County. Ask for PO for Invoice.
Pace PM: Jerry Lanier
200.7: Cu, Pb, Ni, Zn

Type of Ice Used: Wet Blue Dry None

Packing Material Used: Bubble Wrap

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 93T040
Cooler 1 Temp Upon Receipt: 1.4 oC
Cooler 1 Therm Corr. Factor: — oC
Cooler 1 Corrected Temp: 1.4 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
~~Ilana Ton/WSP~~ Garrett Stewart/WSP	2/16/2026 3:30 pm	Alexis Parker AVL	2/17/26 1053
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92844458

PM: JAL Due Date: 02/24/26

CLIENT: 92-Amec VA

Project #

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Laboratory Receiving Location: Asheville [X] Eden [ ] Greenwood [ ] Huntersville [ ] Raleigh [ ] Mechanicsville [ ] Atlanta [ ] Kernersville [ ]

Client WSP Profile/EZ (Circle one) 8125-1 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	Impact/Logistical	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC	AS			AS	OK	AS	SI																						
1	1			1	1	2	1																						
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
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January 20, 2026

Ilana Ton
WSP USA
13530 Dulles Technology Drive
Suite 300
Herndon, VA 20171

RE: Project: Prince William County
Pace Project No.: 92838666

Dear Ilana Ton:

Enclosed are the analytical results for sample(s) received by the laboratory on January 13, 2026. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Beaver

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jerry Lanier
jerry.lanier@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Garrett Stewart, WSP USA

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CERTIFICATIONS

Project:	Prince William County
Pace Project No.:	92838666

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Beaver

225 Industrial Park Road, Beaver, WV 25813
New York DOH Lab ID12167 SN69208
Virginia VELAP 460148
West Virginia DEP 060
West Virginia DHHR 00412CM
North Carolina DEQ 466
Kentucky Wastewater Certification KY90039
Pennsylvania DEP 68-00839

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SAMPLE SUMMARY

Project: Prince William County
Pace Project No.: 92838666

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92838666001	**DAL**	Water	01/12/26 16:00	01/13/26 11:16
92838666002	**MAN**	Water	01/12/26 16:30	01/13/26 11:16

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SAMPLE ANALYTE COUNT

Project: Prince William County
Pace Project No.: 92838666

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92838666001	**DAL**	EPA 200.7	AGB	4	PASI-BV
		SM 2540D-2020	ACE	1	PASI-A
		SM 4500-H+B-2021	ANG	1	PASI-A
		TKN+NO3+NO2 Calculation	KDF1	1	PASI-A
		EPA 350.1 Rev 2.0 1993	MMCN	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	EGC	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	MGW	1	PASI-A
92838666002	**MAN**	EPA 200.7	AGB	4	PASI-BV
		SM 2540D-2020	ACE	1	PASI-A
		SM 4500-H+B-2021	ANG	1	PASI-A
		TKN+NO3+NO2 Calculation	KDF1	1	PASI-A
		EPA 350.1 Rev 2.0 1993	MMCN	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	EGC	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	MGW	1	PASI-A

PASI-A = Pace Analytical Services - Asheville
PASI-BV = Pace Analytical Services - Beaver

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ANALYTICAL RESULTS

Project: Prince William County
Pace Project No.: 92838666

Sample: DAL **Lab ID: 92838666001** Collected: 01/12/26 16:00 Received: 01/13/26 11:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.7 Metals Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.2							
	Pace Analytical Services - Beaver							
Copper	**9.4**	ug/L	6.0	1	01/19/26 10:54	01/19/26 18:43	7440-50-8	
Lead	ND	ug/L	10.0	1	01/19/26 10:54	01/19/26 18:43	7439-92-1	
Nickel	ND	ug/L	5.0	1	01/19/26 10:54	01/19/26 18:43	7440-02-0	
Zinc	**91.5**	ug/L	20.0	1	01/19/26 10:54	01/19/26 18:43	7440-66-6	
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020							
	Pace Analytical Services - Asheville							
Total Suspended Solids	**7.3**	mg/L	1.0	1		01/13/26 14:19		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B-2021							
	Pace Analytical Services - Asheville							
pH at 25 Degrees C	**6.9**	Std. Units	0.10	1		01/16/26 09:57		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation							
	Pace Analytical Services - Asheville							
Total Nitrogen	**1.1**	mg/L	0.040	1		01/19/26 11:27		
350.1 Ammonia	Analytical Method: EPA 350.1 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, Ammonia	**0.15**	mg/L	0.10	1		01/14/26 18:52	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**0.85**	mg/L	0.50	1	01/16/26 21:46	01/17/26 06:42	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.26**	mg/L	0.040	1		01/14/26 14:34		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Phosphorus	**0.085**	mg/L	0.050	1	01/15/26 11:00	01/15/26 13:50	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011							
	Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**50.6**	mg/L	25.0	1	01/14/26 18:06	01/15/26 13:20		

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ANALYTICAL RESULTS

Project: Prince William County
Pace Project No.: 92838666

Sample: MAN **Lab ID: 92838666002** Collected: 01/12/26 16:30 Received: 01/13/26 11:16 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
BVR 200.7 Metals Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.2							
	Pace Analytical Services - Beaver							
Copper	**16.8**	ug/L	6.0	1	01/19/26 10:54	01/19/26 18:45	7440-50-8	
Lead	ND	ug/L	10.0	1	01/19/26 10:54	01/19/26 18:45	7439-92-1	
Nickel	ND	ug/L	5.0	1	01/19/26 10:54	01/19/26 18:45	7440-02-0	
Zinc	**50.4**	ug/L	20.0	1	01/19/26 10:54	01/19/26 18:45	7440-66-6	
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020							
	Pace Analytical Services - Asheville							
Total Suspended Solids	**3.5**	mg/L	1.0	1		01/13/26 14:19		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B-2021							
	Pace Analytical Services - Asheville							
pH at 25 Degrees C	**7.3**	Std. Units	0.10	1		01/16/26 10:04		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation							
	Pace Analytical Services - Asheville							
Total Nitrogen	**1.6**	mg/L	0.040	1		01/19/26 11:27		
350.1 Ammonia	Analytical Method: EPA 350.1 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, Ammonia	ND	mg/L	0.10	1		01/14/26 18:56	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**1.1**	mg/L	0.50	1	01/16/26 21:46	01/17/26 06:43	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.45**	mg/L	0.040	1		01/14/26 14:39		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993							
	Pace Analytical Services - Asheville							
Phosphorus	**0.12**	mg/L	0.050	1	01/15/26 11:00	01/15/26 13:52	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011							
	Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**39.0**	mg/L	25.0	1	01/14/26 18:06	01/15/26 13:21		

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 795586
QC Batch Method: EPA 200.2
Analysis Method: EPA 200.7
Analysis Description: BVR 200.7 Metals, Total
Laboratory: Pace Analytical Services - Beaver
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 3881891 Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	6.0	01/19/26 18:03	
Lead	ug/L	ND	10.0	01/19/26 18:03	
Nickel	ug/L	ND	5.0	01/19/26 18:03	
Zinc	ug/L	ND	20.0	01/19/26 18:03	

LABORATORY CONTROL SAMPLE: 3881892

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	2000	2150	107	85-115	
Lead	ug/L	2000	2120	106	85-115	
Nickel	ug/L	2000	2090	105	85-115	
Zinc	ug/L	2000	2130	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3881893 3881894

Parameter	Units	30839785001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	ND	2000	2000	2360	2420	118	121	70-130	3	20	
Lead	ug/L	ND	2000	2000	2310	2370	116	119	70-130	2	20	
Nickel	ug/L	3.7J	2000	2000	2280	2350	114	117	70-130	3	20	
Zinc	ug/L	ND	2000	2000	2340	2400	117	120	70-130	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3881895 3881896

Parameter	Units	30839828001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	ND	2000	2000	2250	2210	112	110	70-130	2	20	
Lead	ug/L	ND	2000	2000	2250	2220	112	111	70-130	1	20	
Nickel	ug/L	ND	2000	2000	2170	2140	108	107	70-130	1	20	
Zinc	ug/L	ND	2000	2000	2220	2200	111	110	70-130	1	20	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 984360
QC Batch Method: SM 2540D-2020
Analysis Method: SM 2540D-2020
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5060630
Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	1.0	01/13/26 14:16	

LABORATORY CONTROL SAMPLE & LCSD: 5060631 5060806

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	250	234	238	94	95	90-110	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 985067
QC Batch Method: SM 4500-H+B-2021
Analysis Method: SM 4500-H+B-2021
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

SAMPLE DUPLICATE: 5064597

Parameter	Units	92838666001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	6.9	6.9	0	10	H3

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 984487
QC Batch Method: EPA 350.1 Rev 2.0 1993
Analysis Method: EPA 350.1 Rev 2.0 1993
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5061558
Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	01/14/26 18:44	

LABORATORY CONTROL SAMPLE: 5061559

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5061560 5061561

Parameter	Units	92838510001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	2.6	5	5	7.8	7.7	104	104	90-110	0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5061562 5061563

Parameter	Units	92838666001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.15	5	5	5.3	5.3	103	103	90-110	0	10	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 985364
QC Batch Method: EPA 351.2 Rev 2.0 1993
Analysis Method: EPA 351.2 Rev 2.0 1993
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5066298
Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.50	01/17/26 06:46	

LABORATORY CONTROL SAMPLE: 5066299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10	10.4	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5066300 5066301

Parameter	Units	92838529001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	24.6	10	10	34.2	34.8	95	102	90-110	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 984394
QC Batch Method: EPA 353.2 Rev 2.0 1993
Analysis Method: EPA 353.2 Rev 2.0 1993
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5060886 Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.040	01/14/26 14:31	

LABORATORY CONTROL SAMPLE: 5060887

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5060888 5060889

Parameter	Units	92838666001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.26	2.5	2.5	2.6	2.7	95	96	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5060890 5060891

Parameter	Units	92838666002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.45	2.5	2.5	2.9	2.8	98	96	90-110	2	10	

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 984524
QC Batch Method: EPA 365.1 Rev 2.0 1993
Analysis Method: EPA 365.1 Rev 2.0 1993
Analysis Description: 365.1 Phosphorus, Total
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5061673 Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	01/15/26 13:27	

LABORATORY CONTROL SAMPLE: 5061674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.5	2.7	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5061675 5061676

Parameter	Units	92838466001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	0.10	2.5	2.5	3.0	2.8	115	109	90-110	5	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5061677 5061678

Parameter	Units	92838606001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	ND	2.5	2.5	2.7	2.8	107	113	90-110	5	10	M1

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QUALITY CONTROL DATA

Project: Prince William County
Pace Project No.: 92838666

QC Batch: 984691
QC Batch Method: SM 5220D-2011
Analysis Method: SM 5220D-2011
Analysis Description: 5220D COD
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92838666001, 92838666002

METHOD BLANK: 5062497
Matrix: Water
Associated Lab Samples: 92838666001, 92838666002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	01/15/26 13:18	

LABORATORY CONTROL SAMPLE: 5062498

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	743	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5062499 5062500

Parameter	Units	92837836001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	866	100	100	963	973	98	107	90-110	1	3	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5062501 5062502

Parameter	Units	92838666001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	50.6	100	100	160	155	109	104	90-110	3	3	

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QUALIFIERS

Project: Prince William County
Pace Project No.: 92838666

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Prince William County
Pace Project No.: 92838666

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92838666001	**DAL**	EPA 200.2	795586	EPA 200.7	795650
92838666002	**MAN**	EPA 200.2	795586	EPA 200.7	795650
92838666001	**DAL**	SM 2540D-2020	984360		
92838666002	**MAN**	SM 2540D-2020	984360		
92838666001	**DAL**	SM 4500-H+B-2021	985067		
92838666002	**MAN**	SM 4500-H+B-2021	985067		
92838666001	**DAL**	TKN+NO3+NO2 Calculation	985579		
92838666002	**MAN**	TKN+NO3+NO2 Calculation	985579		
92838666001	**DAL**	EPA 350.1 Rev 2.0 1993	984487		
92838666002	**MAN**	EPA 350.1 Rev 2.0 1993	984487		
92838666001	**DAL**	EPA 351.2 Rev 2.0 1993	985364	EPA 351.2 Rev 2.0 1993	985394
92838666002	**MAN**	EPA 351.2 Rev 2.0 1993	985364	EPA 351.2 Rev 2.0 1993	985394
92838666001	**DAL**	EPA 353.2 Rev 2.0 1993	984394		
92838666002	**MAN**	EPA 353.2 Rev 2.0 1993	984394		
92838666001	**DAL**	EPA 365.1 Rev 2.0 1993	984524	EPA 365.1 Rev 2.0 1993	984950
92838666002	**MAN**	EPA 365.1 Rev 2.0 1993	984524	EPA 365.1 Rev 2.0 1993	984950
92838666001	**DAL**	SM 5220D-2011	984691	SM 5220D-2011	984803
92838666002	**MAN**	SM 5220D-2011	984691	SM 5220D-2011	984803

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Pace	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville [X] Eden [ ] Greenwood [ ] Huntersville [ ] Raleigh [ ] Mechanicsville [ ] Atlanta [ ] Kernersville [ ]

Sample Condition Upon Receipt

Client Name: WSP - VA

Project #: **WO# : 92838666**

92838666

Courier: [X] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [ ] Pace [ ] Other:____

Custody Seal Present? [X] Yes [ ] No Seals Intact? [X] Yes [ ] No [ ] N/A

Date/Initials Person Examining Contents: 1/13/26 AW

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [X] None [ ] Other

Biological Tissue Frozen? [ ] Yes [ ] No [X] N/A

Thermometer: [ ] IR Gun ID: 93T090

Type of Ice: [X] Wet [ ] Blue [ ] None

Cooler Temp: 1.8 Correction Factor: Add/Subtract (°C) –

Temp should be above freezing to 6°C

[ ] Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.8

USDA Regulated Soil ([X] N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? [ ] Yes [ ] No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? [ ] Yes [ ] No

				Comments/Discrepancy:
Chain of Custody Present?	[X] Yes	[ ] No	[ ] N/A	1.
Samples Arrived within Hold Time?	[X] Yes	[ ] No	[ ] N/A	2.
Short Hold Time Analysis (<72 hr.)?	[ ] Yes	[ ] No	[X] N/A	3.
Rush Turn Around Time Requested?	[ ] Yes	[ ] No	[X] N/A	4.
Sufficient Volume?	[X] Yes	[ ] No	[ ] N/A	5.
Correct Containers Used?	[X] Yes	[ ] No	[ ] N/A	6.
-Pace Containers Used?	[X] Yes	[ ] No	[ ] N/A	
Containers Intact?	[X] Yes	[ ] No	[ ] N/A	7.
Dissolved analysis: Samples Field Filtered?	[ ] Yes	[ ] No	[X] N/A	8.
Sample Labels Match COC?	[X] Yes	[ ] No	[ ] N/A	9.
-Includes Date/Time/ID/Analysis Matrix: OT-water				
Headspace in VOA Vials (>5-6mm)?	[ ] Yes	[ ] No	[X] N/A	10.
Trip Blank Present?	[ ] Yes	[ ] No	[X] N/A	11.
Trip Blank Custody Seals Present?	[ ] Yes	[ ] No	[X] N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? [ ] Yes [ ] No

Pace CUSTODY SEAL

SIGNATURE [signature]

DATE 1/12/26

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # **WO#: 92838666**

PM: JAL Due Date: 01/20/26
CLIENT: 92-Amec VA

Laboratory Receiving Location: Asheville [X] Eden [ ] Greenwood [ ] Huntersville [ ] Raleigh [ ] Mechanicsville [ ] Atlanta [ ] Kernersville [ ]

Client WSP - VA Profile/EZ (Circle one) 8125 - 1 Notes SL20MET

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC	AS			AS		AS	SI																						
1	1			1		2 ✓	1 ✓																						
2	1			1		2 ✓	1 ✓																						
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical

CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company: Wood/WSP

Address: 13530 Dulles Technology Dr #300, Herndon, VA 20171

Billing Information: Attn: mary.halley@wsp.com

Report To: Ilana Ton

Email To: ilana.ton@wsp.com

Copy To:

Site Collection Info/Address: Prince William County / Manassas, VA and Woodbridge, VA

Customer Project Name/Number: US0039765.6753, ORG 7526, GL Code 5730-00

State: VA County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET

Phone: 703 488 3778
Email: ilana.ton@wsp.com

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print):

Purchase Order # :
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal:
[X] Dispose as appropriate
[ ] Return
[ ] Archive: _____
[ ] Hold:

Rush: (Expedite Charges Apply)
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day
[ ] 4 Day [X] 5 Day

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **: U | 1 | 2 | 2 | U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	SM 2540D-2015 TSS	200.7 Metals	EPA 351.2 TKN/ EPA 353.2 NO2 + NO3	EPA 350.1 Ammonia/EPA 365.1 Phosphorus/ SM 5220D-2011 COD	SM 4500-H+B-2011 pH					
DAL	OT-Water	Comp	1/12/26	1600				5	P	X	X	x	x	x					
MAN	OT-Water	Comp	1/12/26	1630				5	P	X	X	X	X	X					

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: 5270A
Sample pH Acceptable Y N NA
pH Strips: 2317322-N
Sulfide Present Y N NA
Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:
928386666

Customer Remarks / Special Conditions / Possible Hazards:
Prince William County/
US0039765.6753, ORG 7526, GL Code 5730-00
Pace PM Taylor Cannon
200.7: Cu, Pb, Ni, Zn

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 927090
Cooler 1 Temp Upon Receipt: 1.0 oC
Cooler 1 Therm Corr. Factor: — oC
Cooler 1 Corrected Temp: 1.0 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Ilana Ton/WSP	1/12/26 1800	Pace	1/13/26 11:16
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Wet Weather Monitoring Report

Second Quarter 2026 (April 1 – June 30)
Event Date: April 29, 2026

Prepared for:

Prince William County Department of Public Works
5 County Complex Court, Suite 170
Prince William, Virginia 22192

Prepared by:
WSP USA Environment & Infrastructure, Inc.
13530 Dulles Technology Drive, Suite 300
Herndon, VA 20171
(703) 742-5700

July 22, 2026
Project No. US0050435.2303

1.0 INTRODUCTION

WSP USA Environment & Infrastructure Solutions, Inc. (WSP) conducts quarterly wet weather monitoring at two outfall sites to support Prince William County in compliance with the requirements of the Virginia Stormwater Management Program (VSMP) Municipal Separate Storm Sewer System (MS4) Permit (Number VA0088595), issued by the Virginia Department of Environmental Quality (VDEQ) to Prince William County, Virginia. This report discusses the results of the Q2 sampling event that occurred on April 29 at both the Dale City and the Manassas monitoring sites.

2.0 METHODS

Flow rate data were collected at the outfalls by an ISCO 6712 automated sampler coupled with an ISCO 730 bubbler flow module, installed with a Scissors Ring. Flow rate over the course of the sampling events were electronically calculated using ISCO Flowlink 5.1 software, which utilizes the Manning Equation to convert flow level and velocity to flow rate. Replacement ISCO 730 bubble flow modules have been installed at both sites beginning in Q1 of 2023.

SITE #941; MANASSAS, VA

Site #941 is located near 11850 Livingston Road. The site receives a total of 52 acres of upstream drainage area from a land surface that is 34% impervious. County data documents that the pipe is 54 inches in diameter with a slope of 0.03437. This site is subject to backwater conditions as water levels within the downstream pond have risen over the previous three years. Maintenance is recommended to ensure the continued efficacy of the monitoring program at this site. Backwater at the site extends too far upstream into the pipe and would require confined space entry to install equipment beyond the point of backwater. Accommodations are made in the sampling program, as described in further detail in the following section.

SITE #4684; DALE CITY, VA

Site #4684 is located near the corner of Potomac Center Blvd. and Sheffield Hill Way, north of Eastbourne Drive. It drains into a regional detention pond for the Potomac Club residential development. Upstream drainage totals 51 acres, 21% of which is from impervious surfaces. The pipe is 54 inches in diameter with a slope of 0.002593. Storm events at this site are flashy in nature, which is accounted for by programming shorter sample intervals, if necessary, based upon forecast conditions.

The automated samplers were deployed when a qualifying storm event (>0.3 inches precipitation) was forecast for the two monitoring sites. WSP staff deployed the samplers at both sites on April 29, 2026. The samplers were programmed for automated, discrete sampling sequencing to initiate upon flow levels exceeding current water levels in each pipe.

Rain gage data were compiled from monitoring stations in the Weather Underground monitoring network. The data is accessible online and provided hourly precipitation totals over the monitoring period. Gages are prioritized based on the makeup of the data record (reporting interval) and proximity to monitoring locations.

Following the storm event, staff retrieved the samples and prepared them for shipment to Pace Analytical for water quality analysis. To compile the complete set of discrete samples into a single flow-weighted composite, Flowlink software calculated the storm event discharge using the Manning Equation:

Equation 1: Manning Equation used to calculate flow rate.

$$Q = VA = \left(\frac{1.49}{n}\right) A R^{\frac{2}{3}} \sqrt{S} \text{ [US]}$$

Q = Flow rate
A = Flow area
V = Avg. velocity
S = Water surface slope

R = Hydraulic Radius
n = Roughness coefficient
1.49 = English units conversion factor

Channel slopes were determined using invert elevations reported in the stormwater infrastructure geospatial data provided by Prince William County. Using flow levels reported by the ISCO samplers, the area and hydraulic radius inside the sampled outfalls could be computed for a given time interval. A Manning's *n* value of 0.013 was assumed for the concrete pipes[1]. Two different programs were implemented to accommodate different conditions between the sites.

Manassas Sampling Program

Although a replacement bubbler module has been installed, the ponded site conditions continue to provide inaccurate water level readings at the Manassas site and fluctuates during static water conditions. To accommodate the unreliable equipment readings due to the site conditions, the ISCO sampler at the Manassas site was programed to collect on a time-paced program. Samples were collected at a pre-set time interval over the course of the storm.

During the event, the sampler at Manassas (MAN) was programed to collect on a time-paced program. The sampler collected discrete samples every 15 minutes, then composited into a single container.

Dale City Sampling Program

During the event, the sampler at Dale City (DAL) was programed to collect on a time-paced program. The sampler collected discrete samples every 15 minutes, then composited into a single container.

[1] Chow, V.T. (1959) Open Channel Hydraulics. McGraw-Hill, New York.

3.0 RESULTS

SITE #941; MANASSAS, VA

Sampling occurred from 17:32 to 23:17 on April 29, 2026. Weather Underground Station KVAMANAS91 in Manassas, VA recorded 0.2 inches of precipitation over this same period. The previous recordable storm event was recorded on April 19, 2026, producing 0.1 inches of precipitation.

SITE #4684; DALE CITY, VA

Sampling occurred from 15:50 to 18:50 on April 19, 2026. Weather Underground Station KVAWOODB86 in Woodbridge, VA recorded 0.60 inches of precipitation over this same period. The previous storm event was recorded on April 5, 2026, producing 1.3 inches of precipitation.

Samples from both sites were retained under refrigeration until they were composited and shipped overnight to Pace Analytical Services in Asheville, NC. The Dale City samples arrived at the laboratory outside of the temperature specifications for all the analytical methods except metals. Samples were received by the lab, transferred to cold storage and analyzed with the caveat that all, but the metals analysis method are outside of temperature specifications.

3.1 FLOW DATA

SITE #941; MANASSAS, VA

Flow rate during the sampling event reached a maximum of 16.73 cfs. The storm event hydrograph compared with cumulative volume can be seen in Figure 1. Table 1 lists the proportion of each sample mixed with the flow-weighted composite. The flow-weighted composite volume was adjusted to incorporate representative volumes from the collected samples.

Flow rate and volume are calculated by measuring changes in water level over time. Backwater effects are impacting flow meter readings at the outfall point of discharge. Backwater conditions cause elevated readings for flow volume and flow rate.

Figure 1: Flow data over time for the storm event at Site #941(MAN) on April 29, 2026

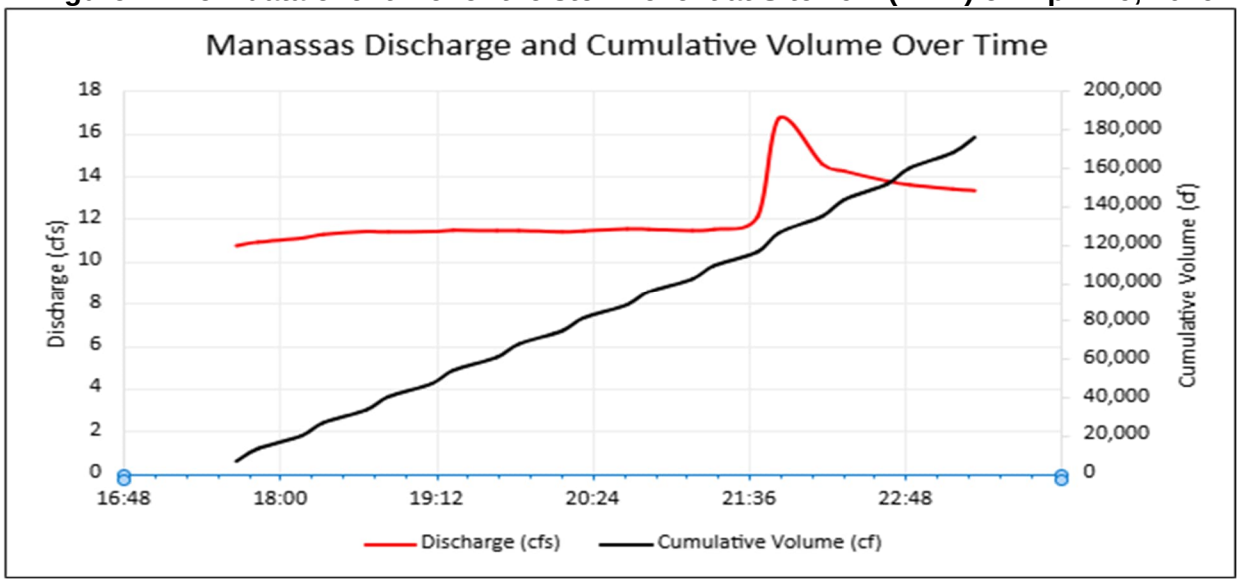

Table 1: Summary of Flow Weighted Composite – Site #941(MAN)

Bottle #	Time of Sample	Volume (cf)	% of Flow	Flow Weighted Volume (mL)*
1	4/29/2026 17:40	6445.57	3.67%	183
2	4/29/2026 17:50	6542.33	3.72%	186
3	4/29/2026 18:10	6656.24	3.79%	189
4	4/29/2026 18:20	6758.84	3.84%	192
5	4/29/2026 18:40	6840.34	3.89%	195
6	4/29/2026 18:50	6830.74	3.88%	194
7	4/29/2026 19:10	6847.55	3.89%	195
8	4/29/2026 19:20	6873.99	3.91%	195
9	4/29/2026 19:40	6864.37	3.90%	195
10	4/29/2026 19:50	6871.59	3.91%	195
11	4/29/2026 20:10	6835.54	3.89%	194
12	4/29/2026 20:20	6859.56	3.90%	195
13	4/29/2026 20:40	6914.93	3.93%	197
14	4/29/2026 20:50	6907.7	3.93%	196
15	4/29/2026 21:10	6869.18	3.91%	195
16	4/29/2026 21:20	6900.47	3.92%	196
17	4/29/2026 21:40	7252.59	4.12%	206
18	4/29/2026 21:50	10037.5	5.71%	285
19	4/29/2026 22:10	8733.61	4.97%	248
20	4/29/2026 22:20	8542.97	4.86%	243
21	4/29/2026 22:40	8259.16	4.70%	235
22	4/29/2026 22:50	8157.54	4.64%	232
23	4/29/2026 23:10	8038.6	4.57%	229
24	4/29/2026 23:20	7993.18	4.55%	227

*5.0 L sample

SITE #4684; DALE CITY, VA

Flow rate during the sampling event reached a maximum of 2.02 cfs. The storm event hydrograph compared with cumulative volume can be seen in Figure 2. Table 2 lists the proportion of each sample mixed with the flow-weighted composite. The flow-weighted composite volume was adjusted to incorporate representative volumes from the collected samples.

Figure 2: Flow data over time for the storm event at Site #4684(DAL) on December 19, 2025

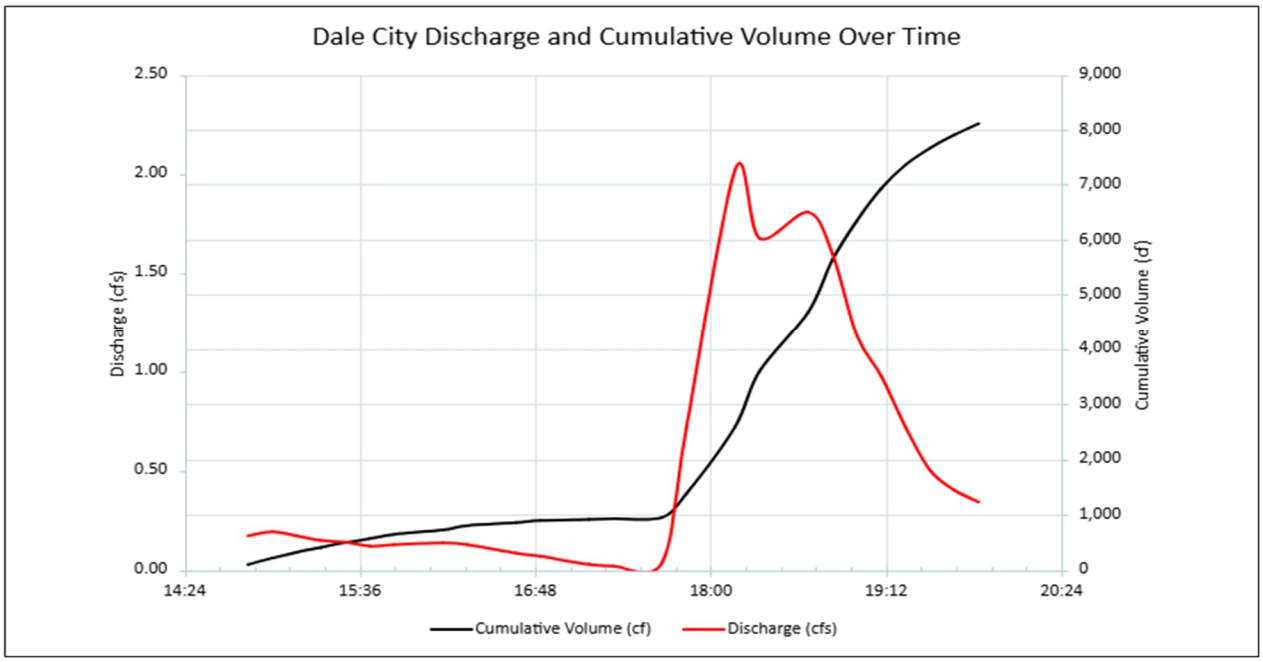

Table 2: Summary of Flow Weighted Composite – Site #4684(DAL)

Bottle #	Time of Sample	Volume (cf)	% of Flow	Flow Weighted Volume (mL)*
**12	4/29/26 15:50	0	0%	0
13	4/29/26 16:10	0	0%	0
14	4/29/26 16:20	0	0%	0
15	4/29/26 16:40	0	0%	0
16	4/29/26 16:50	0	0%	0
17	4/29/26 17:10	0	0%	0
18	4/29/26 17:20	0	0%	0
19	4/29/26 17:40	0	0%	0
20	4/29/26 17:50	428.774	9.15%	320
21	4/29/26 18:10	1212.04	25.87%	905
22	4/29/26 18:20	1004.32	21.43%	750
23	4/29/26 18:40	1083.72	23.13%	809
24	4/29/26 18:50	957.038	20.42%	715

*3.5 L sample
** Sampler did not begin sampling until Bottle 12

3.2 LABORATORY ANALYTICAL RESULTS

Samples were sent to Pace Analytical Services, Inc. lab in Asheville, NC for analysis, with Analytical Parameters tested listed in **Table 3**.

Table 3: Analytical Parameters

Analyte	Analysis Method
Copper	EPA 200.7
Lead	EPA 200.7
Nickel	EPA 200.7
Zinc	EPA 200.7
Total Suspended Solids	SM 2540D
pH	4500H+ pH, Electrometric
Ammonia	EPA 350.1 1993 Rev 2.0
Total Kjeldahl Nitrogen	EPA 351.2
Nitrate + Nitrite Nitrogen	EPA 353.2
Total Phosphorus	EPA 365.1
Chemical Oxygen Demand	SM 5220D

Table 4: Results of Water Quality Analysis

	Analyte	Analyte Value*	Analyte Unit	Reporting Limit	Exceedance Criterion	Criterion Basis
Manassas (#941)	Copper	37.3	µg/L	10.0	13	a
	Lead	ND	µg/L	10.0	120	a
	Nickel	ND	µg/L	5.0	180	a
	Zinc	113	µg/L	20.0	120	a
	Total Suspended Solids	53.5	mg/L	4.0	100	b
	Nitrogen, Ammonia	ND	mg/L	0.10	-	-
	Nitrogen, Kjeldahl, Total	1.0	mg/L	0.50	-	-
	Nitrogen, NO_2 plus NO_3	0.98	mg/L	0.040	-	-
	Total Nitrogen	2.0	mg/L	0.040	2.2	c
	Phosphorus, Total	0.13	mg/L	0.050	2	b
	Chemical Oxygen Demand	49.0	mg/L	25	120	b
	pH	7.5	Std. Units	0.10	6.0-9.0	d
Dale City (#4684)	Copper	27.1	µg/L	10.0	13	a
	Lead	ND	µg/L	10.0	120	a
	Nickel	ND	µg/L	40.0	180	a
	Zinc	218	µg/L	20.0	120	a
	Total Suspended Solids	88.5	mg/L	5.0	100	b
	Nitrogen, Ammonia	0.34	mg/L	0.10	-	-
	Nitrogen, Kjeldahl, Total	2.3	mg/L	0.50	-	-
	Nitrogen, NO_2 plus NO_3	0.96	mg/L	0.040	-	-
	Total Nitrogen	3.3	mg/L	0.040	2.2	c
	Phosphorus, Total	1.2	mg/L	0.050	2	b
	Chemical Oxygen Demand	147	mg/L	25.0	120	b
	pH	7.0	Std. Units	0.10	6.0-9.0	d

[a] State Water Quality Control Board Acute Standards for Surface Water Quality. Value is based on an assumed hardness of 100 mg/L.
[b] Based on benchmark criteria for the VPDES Industrial Stormwater General Permit.
[c] The sum of Nitrogen as Ammonia, NO_2, NO_3, and Total Kjeldahl Nitrogen.
[d] Based on numeric effluent limitations noted in the VPDES Permit for Discharge of Stormwater Associated with Industrial Activity.
* Values highlighted in red were found to be in exceedance of their respective criterion.
ND = The analyte was not detected above specified reporting limit.

4.0 SUMMARY

There was an exceedance for Copper at both sites during the 2026 Q2 sampling event. Dale City also had exceedences for Zinc, Total Nitrogen and Chemical Oxygen Demand. Historical exceedance tracking for parameters of concern are illustrated in **Figure 3** below.

Figure 3: Exceedance Tracking for the Wet Weather Monitoring Program

Manassas (#941)	2016		2017				2018				2019				2020				2021				2022				2023				2024				2025				2026	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Copper	x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x			x	x		x	x	x	x	x	x	x			x	x	x	x	x	x	x
Lead																																								
Nickel																																								
Zinc	x		x	x	x	x	x	x							x	x							x	x											x		x			
Total Suspended Solids						x	x								x	x							x	x							x				x				x	
Total Nitrogen					x	x	x				x												x	x			x								x				x	
Phosphorus, Total																																								
Chemical Oxygen Demand		x				x	x								x								x	x											x		x		x	
pH						x												x																						

Dale City (#4684)	2016		2017				2018				2019				2020				2021				2022				2023				2024				2025				2026	
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2*	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Copper	x		x	x	x	x	x	--		x	x											x	x	x				x			x				x			x		x
Lead								--																																
Nickel								--																																
Zinc			x		x	x	x	--																							x				x					x
Total Suspended Solids						x		--																											x					
Total Nitrogen	x	x	x	x		x	x	--			x																			x					x					x
Phosphorus, Total								--																																
Chemical Oxygen Demand						x	x	--																											x					x
pH		x		x		x		--									x					x																x		

* No sample collected at #4684 during Q2 2018.

APPENDIX A

PHOTO LOG OF SITE CONDITIONS

	Site: Dale City Station Photo: 1 Date: 4/29/2026 Description: Dale City downstream of outfall.
	Site: Dale City Station Photo: 2 Date: 4/10/2025 Description: Dale City outfall face on showing small base flow and iron oxidizing bacteria, which is always present.

Prince William County Wet Weather Monitoring Q2 July 2, 2026
Project No. US0039765.6753 Prince William County, VA

Site: Manassas Station

Photo: 3

Date: 4/29/2026

Description: Manassas sampler set up overview.

Site: Manassas Station

Photo: 4

Date: 4/29/2026

Description: Manassas outfall. Note ponded water which is typical.

APPENDIX B

WATER QUALITY LABORATORY RESULTS

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

May 13, 2026

Ilana Ton
WSP USA
13530 Dulles Technology Drive
Suite 300
Herndon, VA 20171

RE: Project: US0039765.6753
Pace Project No.: 92858505

Dear Ilana Ton:

Enclosed are the analytical results for sample(s) received by the laboratory on May 06, 2026. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - West Columbia

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jerry Lanier
jerry.lanier@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Robert Smith, WSP USA
Garrett Stewart, WSP USA

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CERTIFICATIONS

Project: US0039765.6753
Pace Project No.: 92858505

Pace Analytical Services Asheville
2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services West Columbia
106 Vantage Point Drive, West Columbia, SC 29172
Alaska Dept. of Energy Conservation, Cert# 20-002
California ELAP, cert# 3049
DoD, DoD QSM V5.4, cert# I.2224
DOE, DoD/DOE QSM V5.4, cert# I.2224.01
Florida, Dept. of Health, cert# E87653-70
Georgia, Env. Protection Division, cert# E87653
Illinois, EPA NELAP, cert# 2000552024-9
Kansas, Dept. of Health and Environment, cert# E-10417
Kentucky, Dept. for Env. Protection, UST, cert# 103582
Kentucky, Dept. for Env. Protection, cert# 98037
Louisiana, Dept. of Environmental Quality, cert# 5125
North Carolina, DEQ, Water Resources, cert# 329
New Jersey, Dept. of Env. Protection, cert# NLC 240005
Oklahoma, Dept. of Env. Quality, cert# 2023-175
Oregon, ELAP, cert# 4181-006
Pennsylvania, Dept. of Env. Protection, cert# 003
South Carolina, Dept. of Env. Services, cert# 32010001
Texas, Commission on Env. Quality, cert# TX-C24-00083
Virginia, Dept. of General Services, cert# 13080
Wisconsin, Dept. of Natural Resources, cert# 399136100

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SAMPLE SUMMARY

Project: US0039765.6753
Pace Project No.: 92858505

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92858505001	**DAL**	Water	05/05/26 11:30	05/06/26 11:15
92858505002	**MAN**	Water	05/05/26 11:55	05/06/26 11:15

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SAMPLE ANALYTE COUNT

Project: US0039765.6753
Pace Project No.: 92858505

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92858505001	**DAL**	SM 2540D-2020	CMW1	1	PASI-A
		SM 4500-H+B-2021	SMS	1	PASI-A
		TKN+NO3+NO2 Calculation	KDF1	1	PASI-A
		EPA 350.1 Rev 2.0 1993	MMCN	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MRD	1	PASI-A
		EPA 353.2 Rev 2.0 1993	EM	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	MGW	1	PASI-A
		EPA 200.7	SCC	4	PASI-WC
92858505002	**MAN**	SM 2540D-2020	CMW1	1	PASI-A
		SM 4500-H+B-2021	SMS	1	PASI-A
		TKN+NO3+NO2 Calculation	KDF1	1	PASI-A
		EPA 350.1 Rev 2.0 1993	MMCN	1	PASI-A
		EPA 351.2 Rev 2.0 1993	MFO	1	PASI-A
		EPA 353.2 Rev 2.0 1993	EM	1	PASI-A
		EPA 365.1 Rev 2.0 1993	TJS2	1	PASI-A
		SM 5220D-2011	MGW	1	PASI-A
		EPA 200.7	SCC	4	PASI-WC

PASI-A = Pace Analytical Services - Asheville
PASI-WC = Pace Analytical Services - West Columbia

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ANALYTICAL RESULTS

Project: US0039765.6753
Pace Project No.: 92858505

Sample: DAL **Lab ID: 92858505001** Collected: 05/05/26 11:30 Received: 05/06/26 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020 Pace Analytical Services - Asheville							
Total Suspended Solids	**88.5**	mg/L	5.0	1		05/12/26 20:54		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B-2021 Pace Analytical Services - Asheville							
pH at 25 Degrees C	**7.0**	Std. Units	0.10	1		05/13/26 14:58		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation Pace Analytical Services - Asheville							
Total Nitrogen	**3.3**	mg/L	0.040	1		05/11/26 10:11		
350.1 Ammonia	Analytical Method: EPA 350.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Ammonia	**0.34**	mg/L	0.10	1		05/11/26 20:07	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**2.3**	mg/L	0.50	1	05/08/26 03:00	05/08/26 12:07	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.96**	mg/L	0.040	1		05/09/26 09:41		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Phosphorus	**1.2**	mg/L	0.050	1	05/07/26 16:17	05/07/26 20:36	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011 Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**147**	mg/L	25.0	1	05/08/26 15:12	05/08/26 19:37		
WC 200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - West Columbia							
Copper	**27.1**	ug/L	10.0	1	05/10/26 08:22	05/11/26 08:43	7440-50-8	
Lead	ND	ug/L	10.0	1	05/10/26 08:22	05/11/26 08:43	7439-92-1	
Nickel	ND	ug/L	40.0	1	05/10/26 08:22	05/11/26 08:43	7440-02-0	
Zinc	**218**	ug/L	20.0	1	05/10/26 08:22	05/11/26 08:43	7440-66-6	

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ANALYTICAL RESULTS

Project: US0039765.6753
Pace Project No.: 92858505

Sample: MAN **Lab ID: 92858505002** Collected: 05/05/26 11:55 Received: 05/06/26 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
2540D TSS, Low-Level	Analytical Method: SM 2540D-2020 Pace Analytical Services - Asheville							
Total Suspended Solids	**53.5**	mg/L	2.5	1		05/12/26 20:55		
4500H+ pH, Electrometric	Analytical Method: SM 4500-H+B-2021 Pace Analytical Services - Asheville							
pH at 25 Degrees C	**7.5**	Std. Units	0.10	1		05/13/26 15:04		H3
Total Nitrogen Calculation	Analytical Method: TKN+NO3+NO2 Calculation Pace Analytical Services - Asheville							
Total Nitrogen	**2.0**	mg/L	0.040	1		05/11/26 10:11		
350.1 Ammonia	Analytical Method: EPA 350.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Ammonia	ND	mg/L	0.10	1		05/11/26 20:11	7664-41-7	
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Rev 2.0 1993 Preparation Method: EPA 351.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, Kjeldahl, Total	**1.0**	mg/L	0.50	1	05/08/26 09:52	05/09/26 03:57	7727-37-9	
353.2 Nitrogen, NO2/NO3 pres.	Analytical Method: EPA 353.2 Rev 2.0 1993 Pace Analytical Services - Asheville							
Nitrogen, NO2 plus NO3	**0.98**	mg/L	0.040	1		05/09/26 09:42		
365.1 Phosphorus, Total	Analytical Method: EPA 365.1 Rev 2.0 1993 Preparation Method: EPA 365.1 Rev 2.0 1993 Pace Analytical Services - Asheville							
Phosphorus	**0.13**	mg/L	0.050	1	05/07/26 16:17	05/07/26 20:37	7723-14-0	
5220D COD	Analytical Method: SM 5220D-2011 Preparation Method: SM 5220D-2011 Pace Analytical Services - Asheville							
Chemical Oxygen Demand	**49.0**	mg/L	25.0	1	05/08/26 15:12	05/08/26 19:38		
WC 200.7 MET ICP	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - West Columbia							
Copper	**37.3**	ug/L	10.0	1	05/10/26 08:22	05/11/26 08:46	7440-50-8	
Lead	ND	ug/L	10.0	1	05/10/26 08:22	05/11/26 08:46	7439-92-1	
Nickel	ND	ug/L	40.0	1	05/10/26 08:22	05/11/26 08:46	7440-02-0	
Zinc	**113**	ug/L	20.0	1	05/10/26 08:22	05/11/26 08:46	7440-66-6	

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QUALITY CONTROL DATA

Project: US0039765.6753
Pace Project No.: 92858505

QC Batch: 1009228
QC Batch Method: SM 2540D-2020
Analysis Method: SM 2540D-2020
Analysis Description: 2540D Total Suspended Solids
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92858505001, 92858505002

METHOD BLANK: 5190142 Matrix: Water
Associated Lab Samples: 92858505001, 92858505002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	1.0	05/11/26 19:36	

LABORATORY CONTROL SAMPLE & LCSD: 5190143 5192067

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	250	252	258	101	103	90-110	2	10	

SAMPLE DUPLICATE: 5190624

Parameter	Units	92858707002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	35.0	37.0	6	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: US0039765.6753
Pace Project No.: 92858505

QC Batch: 1009715
QC Batch Method: SM 4500-H+B-2021
Analysis Method: SM 4500-H+B-2021
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92858505001, 92858505002

SAMPLE DUPLICATE: 5192902

Parameter	Units	92857900001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	9.2	9.2	0	10	H3

SAMPLE DUPLICATE: 5192903

Parameter	Units	92858505001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.0	7.0	0	10	H3

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QUALITY CONTROL DATA

Project: US0039765.6753
Pace Project No.: 92858505

QC Batch: 1008706
QC Batch Method: EPA 350.1 Rev 2.0 1993
Analysis Method: EPA 350.1 Rev 2.0 1993
Analysis Description: 350.1 Ammonia
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92858505001, 92858505002

METHOD BLANK: 5187579 Matrix: Water
Associated Lab Samples: 92858505001, 92858505002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	ND	0.10	05/11/26 20:00	

LABORATORY CONTROL SAMPLE: 5187580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	5	5.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5187581 5187582

Parameter	Units	92856316001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	7.2	5	5	11.8	11.7	93	90	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5187583 5187584

Parameter	Units	92858505001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Ammonia	mg/L	0.34	5	5	5.5	5.5	104	103	90-110	0	10	

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QUALITY CONTROL DATA

Project: US0039765.6753
Pace Project No.: 92858505

QC Batch: 1008665
QC Batch Method: EPA 351.2 Rev 2.0 1993
Analysis Method: EPA 351.2 Rev 2.0 1993
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92858505001

METHOD BLANK: 5187467
Matrix: Water
Associated Lab Samples: 92858505001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.50	05/08/26 11:32	

LABORATORY CONTROL SAMPLE: 5187468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10	9.9	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5187469 5187470

Parameter	Units	92856917001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	3.7	10	10	13.1	12.8	95	91	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5187471 5187472

Parameter	Units	92857984003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	1.6	10	10	12.1	11.9	104	103	90-110	1	10	

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QUALITY CONTROL DATA

Project: US0039765.6753
Pace Project No.: 92858505

QC Batch: 1008719
QC Batch Method: EPA 351.2 Rev 2.0 1993
Analysis Method: EPA 351.2 Rev 2.0 1993
Analysis Description: 351.2 TKN
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92858505002

METHOD BLANK: 5187612 Matrix: Water
Associated Lab Samples: 92858505002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	ND	0.50	05/09/26 03:30	

LABORATORY CONTROL SAMPLE: 5187613

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Kjeldahl, Total	mg/L	10	9.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5187614 5187615

Parameter	Units	92857552001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	ND	10	10	10	9.8	95	93	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5187616 5187617

Parameter	Units	92857569001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, Kjeldahl, Total	mg/L	35.1	10	10	44.0	43.5	89	84	90-110	1	10	M1

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QUALITY CONTROL DATA

Project: US0039765.6753
Pace Project No.: 92858505

QC Batch: 1008697
QC Batch Method: EPA 353.2 Rev 2.0 1993
Analysis Method: EPA 353.2 Rev 2.0 1993
Analysis Description: 353.2 Nitrate + Nitrite, preserved
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92858505001, 92858505002

METHOD BLANK: 5187551 Matrix: Water
Associated Lab Samples: 92858505001, 92858505002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	ND	0.040	05/09/26 09:16	

LABORATORY CONTROL SAMPLE: 5187552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.6	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5187553 5187554

Parameter	Units	92857239001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	14.3	2.5	2.5	16.9	17.2	101	113	90-110	2	10	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5187555 5187556

Parameter	Units	92857296001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.45	2.5	2.5	3.0	2.9	101	100	90-110	1	10	

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QUALITY CONTROL DATA

Project: US0039765.6753
Pace Project No.: 92858505

QC Batch: 1008548
QC Batch Method: EPA 365.1 Rev 2.0 1993
Analysis Method: EPA 365.1 Rev 2.0 1993
Analysis Description: 365.1 Phosphorus, Total
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92858505001, 92858505002

METHOD BLANK: 5186568 Matrix: Water
Associated Lab Samples: 92858505001, 92858505002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phosphorus	mg/L	ND	0.050	05/07/26 19:53	

LABORATORY CONTROL SAMPLE: 5186569

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phosphorus	mg/L	2.5	2.7	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5186570 5186571

Parameter	Units	92858172001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	ND	2.5	2.5	2.7	2.7	109	108	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5186572 5186573

Parameter	Units	92858172002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Phosphorus	mg/L	ND	2.5	2.5	2.7	2.7	109	108	90-110	1	10	

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(704)875-9092

QUALITY CONTROL DATA

Project: US0039765.6753
Pace Project No.: 92858505

QC Batch: 1008861
QC Batch Method: SM 5220D-2011
Analysis Method: SM 5220D-2011
Analysis Description: 5220D COD
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92858505001, 92858505002

METHOD BLANK: 5188323 Matrix: Water
Associated Lab Samples: 92858505001, 92858505002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	ND	25.0	05/08/26 19:33	

LABORATORY CONTROL SAMPLE: 5188324

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	750	751	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5188325 5188326

Parameter	Units	92856316001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	2060	100	100	1530	1490	-536	-577	90-110	3	3	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5188327 5188328

Parameter	Units	92856909012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chemical Oxygen Demand	mg/L	ND	100	100	100	107	96	103	90-110	6	3	R1

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QUALITY CONTROL DATA

Project: US0039765.6753
Pace Project No.: 92858505

QC Batch: 1008954
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: WC 200.7 MET ICP
Laboratory: Pace Analytical Services - West Columbia
Associated Lab Samples: 92858505001, 92858505002

METHOD BLANK: 5189156
Matrix: Water
Associated Lab Samples: 92858505001, 92858505002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Copper	ug/L	ND	10.0	05/11/26 08:35	
Lead	ug/L	ND	10.0	05/11/26 08:35	
Nickel	ug/L	ND	40.0	05/11/26 08:35	
Zinc	ug/L	ND	20.0	05/11/26 08:35	

LABORATORY CONTROL SAMPLE: 5189157

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	2000	1910	96	85-115	
Lead	ug/L	400	414	104	85-115	
Nickel	ug/L	2000	2080	104	85-115	
Zinc	ug/L	2000	2110	106	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5189158 5189159

Parameter	Units	92858789003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Copper	ug/L	ND	2000	2000	1900	1870	94	93	70-130	2	20	
Lead	ug/L	ND	400	400	412	408	103	102	70-130	1	20	
Nickel	ug/L	ND	2000	2000	2080	2060	104	103	70-130	1	20	
Zinc	ug/L	ND	2000	2000	2160	2120	106	104	70-130	1	20	

MATRIX SPIKE SAMPLE: 5189160

Parameter	Units	92858758002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Copper	ug/L	19.4	2000	2080	103	70-130	
Lead	ug/L	ND	400	380	94	70-130	
Nickel	ug/L	186	2000	2050	93	70-130	
Zinc	ug/L	42.8	2000	1900	93	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: US0039765.6753
Pace Project No.: 92858505

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H3	Sample was received or analysis requested beyond the recognized method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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Huntersville, NC 28078
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: US0039765.6753
Pace Project No.: 92858505

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92858505001	**DAL**	SM 2540D-2020	1009228		
92858505002	**MAN**	SM 2540D-2020	1009228		
92858505001	**DAL**	SM 4500-H+B-2021	1009715		
92858505002	**MAN**	SM 4500-H+B-2021	1009715		
92858505001	**DAL**	TKN+NO3+NO2 Calculation	1009134		
92858505002	**MAN**	TKN+NO3+NO2 Calculation	1009134		
92858505001	**DAL**	EPA 350.1 Rev 2.0 1993	1008706		
92858505002	**MAN**	EPA 350.1 Rev 2.0 1993	1008706		
92858505001	**DAL**	EPA 351.2 Rev 2.0 1993	1008665	EPA 351.2 Rev 2.0 1993	1008775
92858505002	**MAN**	EPA 351.2 Rev 2.0 1993	1008719	EPA 351.2 Rev 2.0 1993	1008938
92858505001	**DAL**	EPA 353.2 Rev 2.0 1993	1008697		
92858505002	**MAN**	EPA 353.2 Rev 2.0 1993	1008697		
92858505001	**DAL**	EPA 365.1 Rev 2.0 1993	1008548	EPA 365.1 Rev 2.0 1993	1008606
92858505002	**MAN**	EPA 365.1 Rev 2.0 1993	1008548	EPA 365.1 Rev 2.0 1993	1008606
92858505001	**DAL**	SM 5220D-2011	1008861	SM 5220D-2011	1008923
92858505002	**MAN**	SM 5220D-2011	1008861	SM 5220D-2011	1008923
92858505001	**DAL**	EPA 200.7	1008954	EPA 200.7	1009078
92858505002	**MAN**	EPA 200.7	1008954	EPA 200.7	1009078

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Pace Analytical

CHAIN-OF-CUSTODY Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 92858505

92858505

ace Workorder Number or

LAB USE ONLY

oject Manager:

U	1	2	2	U					

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Company: Wood/WSP

Address: 13530 Dulles Technology Dr #300, Herndon, VA 20171

Billing Information: Attn: mary.halley@wsp.com

Report To: Robert Smith

Email To: robert.w.smith@wsp.com

Copy To: ilana.ton@wsp.com, ~~mar.halley@wsp.com~~

Site Collection Info/Address: Prince William County / Manassas, VA and Woodbridge, VA

Customer Project Name/Number: US0039765.6753, ORG 7526, GL Code 5730-00

State: VA

County/City:

Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET

Phone: 703 488 3778

Email: ilana.ton@wsp.com

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Robert Smith

Purchase Order # :

Quote #:

DW PWS ID #:

DW Location Code:

Collected By (signature):

Turnaround Date Required:

Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal:
[X] Dispose as appropriate
[ ] Return
[ ] Archive: _____
[ ] Hold: _____

Rush: (Expedite Charges Apply)
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day
[ ] 4 Day [X] 5 Day

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	SM 2540D-2015 TSS	200.7 Metals	EPA 351.2 TKN/ EPA 353.2 NO2 + NO3	EPA 350.1 Ammonia/EPA 365.1 Phosphorus/ SM 5220D-2011 COD	SM 4500-H+B-2011 pH					
DAL	OT-Water	Comp	5/5/2026	11:30				5	P	X	X	x	x	x					
MAN	OT-Water	Comp	5/5/2026	11:55				5	P	X	X	X	X	X					

Lab Profile/Line:

Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: 6059A
Sample pH Acceptable Y N NA
pH Strips: 20125V
Sulfide Present Y N NA
Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:
92858505
001
002

Customer Remarks / Special Conditions / Possible Hazards:
Prince William County/
US0039765.6753, ORG 7526, GL Code 5730-00
Pace PM Taylor Cannon
200.7: Cu, Pb, Ni, Zn

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours) : Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 951090
Cooler 1 Temp Upon Receipt: 5.1 oC
Cooler 1 Therm Corr. Factor: ____oC
Cooler 1 Corrected Temp: ____oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Robert Smith/WSP	5-5-26	Pace	5/6/26 11:45
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92858505

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # PM: JAL Due Date: 05/13/26
CLIENT: 92-Amec VA

Laboratory Receiving Location: Asheville [X] Eden [ ] Greenwood [ ] Huntersville [ ] Raleigh [ ] Mechanicsville [ ] Atlanta [ ] Kernersville [ ]

Client wood/WSP Profile/EZ (Circle one) 8125-1 Notes SP-20 MET

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG84-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC	AS			AS		AS	S1																						
1	1			1		2 ✓	1 ✓																						
2	1			1		2 ✓	1 ✓																						
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Appendix V

VDOT Coordination Meeting Summary

Annual VDOT-NOVA MS4 Phase I Coordination Meeting

April 13, 2026, 10 AM - 12 PM

1. Mapping (MS4 Service Areas)

- VDOT is working toward finalizing the MS4 service area for internal review by end of April, with submittal to DEQ in June. This update incorporates census urban area data for 2000, 2010, and 2020. A concurrent outfall inventory survey is also underway.
- Arlington County's service area is stable with only minor tweaks this year (land swaps and a VPDES permittee removal). Coordinated with VDOT last fall to provide input for their service area update.
- Fairfax County updates service area annually. Minor acreage increase and new outfalls added since last year based on interconnection language and updated data. Provided GIS data to VDOT and requested a copy of VDOT's final service area upon DEQ submittal.
- Prince William County is transitioning to in-house mapping after challenges with contractors. Working with VDOT to resolve boundary issues and clean up received data.

2. Chesapeake Bay TMDL Action Plans

- VDOT is in third permit cycle and progressing toward 100% nutrient reduction targets. Action plan was submitted to DEQ in summer 2025, awaiting comments on local TMDL plans. Key strategy has been land cover conversion credits through mowing changes.
- Arlington County is in the final year of current permit. Submitted draft Phase III Chesapeake Bay TMDL and updated local TMDLs to DEQ in December 2025 as part of permit reapplication. Negotiating next permit with DEQ with a target July 1, 2026 start. Nitrogen reduction is the primary challenge; the county may need to use credits to meet the 100% target.
- Fairfax County is finalizing internal draft of the 100% achievement plan, due to DEQ in June with a public comment period anticipated in late April or May. The county has already achieved the permit requirement and plans to continue implementation in anticipation of future permit requirements. Coordinating with VAMSA to seek DEQ guidance on continued nutrient reduction investments beyond current permit obligations.
- Prince William County is updating calculations and project reduction numbers with their plan also due in June. Seeking clarity from DEQ on treatment of reductions exceeding 100% and plans to coordinate with Fairfax County on that question.

3. Unaccounted Areas in TMDL Action Plans

- VDOT had no additional updates; offered to assist localities in resolving outstanding issues.
- Arlington County has minimal unaccounted area due to how the service area was defined, only direct drainage remains outside the defined boundary.
- Fairfax County significantly reduced unaccounted area through annual updates, VDOT coordination, and re-evaluation of outfall ownership under the new permit's interconnection language. Remaining unaccounted areas are primarily private outfalls. GIS data has been shared with DEQ and VDOT.
- Prince William County is still working through unaccounted areas and will follow up with VDOT on outstanding questions.

4. Other TMDL Action Plans

- VDOT is awaiting DEQ response on previously submitted local TMDL action plans. Expressed interest in being included in Bull Run sediment TMDL discussions.
- Arlington County submitted updated bacteria and PCB action plans to DEQ in December 2025, awaiting comments. No new TMDLs anticipated in the proposed third permit.
- Fairfax County submitted sediment, bacteria, and PCB action plans in December 2025. Chloride TMDL action plan recently posted for public comment, submission to DEQ anticipated before July 3, 2026.
- Prince William County is awaiting DEQ comments on previously submitted plans. Working on the Bull Run sediment TMDL and exploring whether targets are accurate, with hopes of seeking a reevaluation. Prince William, Fairfax, and VDOT agreed to coordinate together on Bull Run discussions with DEQ. NVRC can facilitate this discussion, if needed.

5. Credit for TMDL Implementation

- VDOT is at 100% goals and building additional buffer. Land cover conversion through mowing changes has been the primary nitrogen credit strategy. VDOT offered to discuss this approach with any interested parties.
- Arlington County is on track for phosphorus, but nitrogen is the primary challenge and may require credits to meet the 100% reduction requirement.
- Fairfax County emphasized avoiding double-counting of retrofit credits with VDOT and expressed continued interest in collaborative implementation projects where adjacent infrastructure creates opportunities for joint work.
- Prince William County noted that nitrogen is also a challenge for them. Echoed interest in collaborative projects with VDOT within Prince William County.

6. Illicit Discharge Detection & Elimination (IDDE)

- VDOT's updated IDDE manual is complete and publicly available on VDOT's website. VDOT will share the IDDE team contact information via email following the meeting. A dry weather screening program is under development as required by the current permit.
- Arlington County's program is active with a high volume of reports this past year. Managing typical spring-season issues (pool drainage, home improvement discharges, vehicle spills). Elevated bacteria at outfall monitoring sites has been traced to the winter crow roost near Shirlington. Arlington has been working with DEQ on permit language to distinguish domestic animal waste from wildlife contributions and invited other jurisdictions to coordinate on bacterial source tracking conversations with DEQ.
- Fairfax County's program is rolling along with several hundred investigations last year. Consolidated stormwater and wastewater calls into a 24-hour customer communication center. Increased social media outreach with weekly posts.
- Prince William County's 311 system that launched last year has increased report volumes. Focused enforcement on uncovered salt piles at commercial properties. Litter crew removed significant volumes of trash from roadways. Raised concern about illegal dumping and vehicle maintenance activities at VDOT-owned kiss-and-ride areas; VDOT confirmed the 511 system is the preferred reporting tool and offered direct follow-up for unresolved issues.

7. Water Quality Monitoring

- VDOT referenced an ongoing multi-year post-construction BMP monitoring study with UVA. Two new Research Council studies are underway: one on construction site dewatering bag performance (in response to 2024 CGP requirements), and one on sediment basin design improvements.
- Arlington County is continuing permit-required monitoring programs (wet weather, dry weather, bacteria, benthic). No significant updates.
- Fairfax County is conducting all permit-required monitoring. Data available to share with VDOT and others on request. Has not pursued the joint monitoring network encouraged by the permit but is open to further discussion.
- Prince William County is continuing routine monitoring. A high E. coli result from a wet weather sample prompted immediate investigation; results were inconclusive and the county is coordinating with Prince William Water. Voluntarily conducting PFAS monitoring in partnership with Fairfax Water to identify source areas contributing to the Occoquan Reservoir ahead of a 2030 compliance deadline. VDOT expressed interest in coordinating on PFAS data.

8. Annual Reports

- VDOT is currently collecting data. Formal reporting process begins in early June; report due in October. DEQ approved last year's annual report.
- Arlington County will begin annual report work after permit negotiations conclude. Current permit expires June 30, 2026, making this a transition year with simultaneous permit and reporting obligations.
- Fairfax County's preliminary liaison outreach underway; official data collection begins in June for an October report. Plans to document VDOT coordination efforts, including this meeting and earlier GIS data-sharing activities, in the annual report.
- Prince William County is gathering year-end data. Has not yet received DEQ comments on its last annual report or its July 2025 local TMDL submittal; DEQ recently requested both be resent.

9. Other Topics

- EPA MS4 Audits: No audits have been announced for Northern Virginia. Most recent activity was in the Chesterfield/Hampton Roads area. Prince William County is proactively conducting internal soft audits in preparation.
- VDOT-County DOT BMP Transitions: VDOT raised concerns about stormwater BMP quality on locally administered road projects it ultimately inherits. Fairfax County and Prince William County both offered to connect VDOT with their DOT staff to improve the handoff process.
- De-Icer Outreach: Fairfax County is planning to develop targeted outreach materials on proper de-icer application rates for custodial and maintenance staff, potentially including a video. NVRC noted two related webinars hosted in January 2026 and will pass this information on to Clean Water Partners staff. All jurisdictions expressed support for the effort.

Meeting Attendees

Virginia Department of Transportation (VDOT)

- Joe Parfitt
- Alex Foraste
- Nancy Grandfield
- Marian Carroll
- David Wilson
- Scott Crafton
- Joe Felton
- Matthew Stafford

Arlington County

- Diana Handy
- Janet Vick

Fairfax County

- Martin Hurd
- Takisha Cannon
- Rachel Kenderdine
- Emily Burton
- Lien Vu
- Austyn Ries
- Rachael Holland
- Jack Meritt
- Karlee Copeland

Prince William County

- Andrew Uglow
- Hannah Canizales
- Ben Eib

Northern Virginia Regional Commission (NVRC)

- Allie Wagner

Appendix W

Biomonitoring Report

Benthic Macroinvertebrate Population and Water Quality Monitoring Report

Fall 2025 and Spring 2026

Prepared for:

Prince William County Department of Public Works
5 County Complex Court, Suite 170
Prince William, Virginia 22192

Prepared by:
WSP Environment & Infrastructure Solutions, Inc.
13530 Dulles Technology Dr Suite 300
Herndon, VA 20171
(703) 742-5700

August 31, 2026
Project No. US0050435.2303

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LIST OF ACRONYMS

BI	Biotic Index
°C	Degrees Celsius
CWA	Clean Water Act
DO	Dissolved Oxygen
E. coli	*Escherichia coli*
EPT	Ephemeroptera/Plecoptera/Trichoptera
m	Meter
mg/L	Milligrams per Liter
µS/cm	Microsiemens per Centimeter
MPN/100mL	Most Probable Number of Coliform per 100 Milliliters
m/s	Meters per Second
MS4	Municipal Separate Storm Sewer System
NTU	Nephelometric Turbidity Units
PMA	Percent Model Affinity
RBP	USEPA Rapid Bioassessment Protocol
SU	Standard Units
TKN	Total Kjeldahl Nitrogen
TSS	Total Suspended Solids
USEPA	United States Environmental Protection Agency
VDEQ	Virginia Department of Environmental Quality
VSCI	Virginia Stream Condition Index
VSMP	Virginia Stormwater Management Program

1 Introduction

WSP USA, Inc. (WSP) has prepared this report for ongoing benthic macroinvertebrate sampling for compliance with the requirements of the Virginia Stormwater Management Program (VSMP) Permit, Municipal Separate Storm Sewer System (MS4) Permit Number VA0088595, issued by the Virginia Department of Environmental Quality (VDEQ) to Prince William County, Virginia. This report presents the results of the 2025 Fall and 2026 Spring sampling events, which were conducted in accordance with the *Sampling Plan for Benthic Macroinvertebrate Population and Water Quality Monitoring* (Sampling Plan) (Amec Foster Wheeler 2015). This report provides detailed descriptions of the sampling and analysis activities conducted, as well as the water quality analytical results and benthic macroinvertebrate results. In addition, this report provides a comparison summary with the baseline results from the 2016 Spring and Fall sampling events (spring and fall baselines).

1.1 Background

The U.S. Environmental Protection Agency (USEPA) delegated the authority to implement Section 402 of the Clean Water Act (CWA) to the Commonwealth of Virginia on March 31, 1975. Subsequently, Section 62.1-44.15:25 of the Virginia Stormwater Management Act authorizes VDEQ to issue, deny, amend, revoke, terminate, and enforce permits for the control of stormwater discharges from MS4s. The VSMP Permit Number VA0088595 authorizes point source discharges of stormwater runoff and certain non-stormwater discharges from the MS4 operated or owned by Prince William County. Part I.C of the VSMP permit outlines the monitoring requirements guided by Section 9VAC25-870-380 C.2.c.(4) of the VSMP regulations. As stipulated in the permit, benthic macroinvertebrate and surface water monitoring are conducted at five locations in Prince William County:

- Cow Branch (PC 20)
- Dawkins Branch (PC 30)
- Little Bull Run (PC 90)
- Neabsco Creek (PC 60)
- Purcell Branch (PC 10)

A site locations map and site sampling location maps can be found in Figures 1 through 6.

1.2 Purpose

The purpose of this sampling report is to provide data that will be used to comply with the biological stream (Part I.C.1) and in-stream monitoring (Part I.C.2) requirements outlined in Prince William County's permit. The specific objectives are to gather sufficient data to evaluate, and subsequently demonstrate, the effectiveness of upstream best management practices. The results presented in this report will be compared to baseline conditions to evaluate trends in benthic health and stream ecosystem conditions at each site.

2 Methods

Sample collection occurred on October 7 through 9, 2024, and from April 14 through 16, 2025, in accordance with the Sampling Plan. Benthic macroinvertebrate and surface water samples were collected by WSP personnel from five locations in Prince William County: Cow Branch, Dawkins Branch, Little Bull Run, Neabsco Creek, and Purcell Branch (Figures 1 through 6). The field team prepared Physical Characterization/Water Quality Field Data Sheets and Habitat Assessment Field Data Sheets for High Gradient Streams, as specified in USEPA Rapid Bioassessment Protocol (RBP) (Barbour et al. 1999; Appendix A). In-situ water quality data were collected using a YSI water quality meter for dissolved oxygen (DO), pH, conductivity, and temperature. Turbidity was measured using a HACH Turbidimeter 2100Q in Nephelometric Turbidity Units (NTU).

Approximate stream width and water depth were measured in meters (m). Water velocity was measured with a HACH flow meter in meters per second (m/s). Upstream and downstream photographs were also taken for each site (Appendix A). Grab water samples were analyzed for ammonia, *Escherichia coli* (*E. coli*), nitrate/nitrite, orthophosphate, total Kjeldahl nitrogen (TKN), total nitrogen, total phosphorus, and total suspended solids (TSS).

Benthic macroinvertebrate sampling was conducted in accordance with the Sampling Plan. The multiple habitat sampling method was used for each of the sites. This method consists of a total of 20 jabs or kicks, taken from among each major habitat type in the reach. Benthic macroinvertebrate samples were placed on ice in coolers and shipped overnight to WSP's benthic macroinvertebrate laboratory in Gainesville, Florida. The laboratory sorted, mounted, identified, enumerated, evaluated, and classified benthic macroinvertebrates according to Section 7.2 of the RBP (Barbour et al. 1999). Eight metrics were calculated including the Hilsenhoff Biotic Index (HBI) (1987); the Percent Model Affinity (PMA) from Novak and Bode (1992); and the Virginia Stream Condition Index (VSCI) using guidance from TetraTech (2003) and VDEQ (2008).

It should be noted that HBI, PMA, and VSCI represent various ways to assess stream condition; as a result, score categories will not always agree among assessments. HBI estimates the overall tolerance of the community in a sampled area, weighted by the relative abundance of each taxonomic group (e.g., family), and the group's predetermined tolerance level. PMA is an index of percentage similarity, used to measure the affinity of various metrics (e.g., species richness) from the sample reach to that of the expected model community. VSCI is an index designed specifically for streams and small rivers in Virginia. The index utilizes eight scoring metrics, comparing monitored site metrics to the metrics of a designated reference condition.

3 Results

Sample collection occurred from October 7-9, 2025, and from April 14-16, 2026, in accordance with the Sampling Plan and is summarized in the following sections.

3.1 Field Condition and Parameter Results

Assessing physical habitat quality is an integral component of the final evaluation of impairment. The RBP matrix used to assess habitat quality is based on 10 visual physical characteristics of the waterbody and surrounding land, particularly the catchment of the site under investigation.

The habitat parameters evaluated are related to overall aquatic life use and are a potential source of limitation to the aquatic biota; the scoring of each of these characteristics is included as page 4 of the site datasheets for each site in Appendix A, while score totals and the resulting condition categories are summarized in Table 1 for the Fall 2025 event and Table 2 for Spring 2026 event. The RBP defines the following condition categories based on the physical habitat characterization scores, to determine the ability of the habitat to support an optimal biological community:

151-200	**Optimal**	The physical habitat present meets natural expectations and can support optimal benthic community.
101-150	**Suboptimal**	Physical habitat is less than desirable but satisfies expectations under most circumstances to support a benthic community.
51-100	**Marginal**	Physical habitat has moderate levels of degradation, with a severity at frequent intervals throughout the reach, which limit the capability of supporting a benthic community.
0-50	**Poor**	Physical habitat has been substantially altered with severe degradation to characteristics that would support a benthic community.

Water quality is also an integral component of stream evaluation and the ability of a stream to support biological communities. Surface waters should meet Virginia's Water Quality Standards, as outlined in Section 9VAC25-260. However, these standards represent limits not to be exceeded. For a general comparison, the following bullets summarize typical conditions for piedmont streams.

- A pH range of 6.5 to 8.0 standard units (SU) is optimal for most organisms, as a pH outside this range reduces the diversity in the stream because it stresses the physiological systems of most organisms and can reduce reproduction.
- Distilled water has conductivity in the range of 0.5 to 3 microsiemens per centimeter (µS/cm). The conductivity of streams generally range from 0 to 1500 µS/cm, while studies of inland fresh waters indicate that streams supporting mixed fisheries have a range between 50 and 500 µS/cm.
- Temperature affects feeding, reproduction, and metabolism of aquatic animals. A week or two of high temperatures may make a stream unsuitable for sensitive aquatic organisms; the maximum temperature of nontidal (piedmont) streams should not exceed 32 degrees Celsius (°C).
- DO is an important measure of stream water quality, as aquatic organisms need DO to live. DO in the water varies greatly with stream characteristics, temperature, and time, but a minimal DO level of 5 milligrams per liter (mg/L) is usually required to maintain healthy growth and activity.

- Turbidity is a measure of water clarity, and though Virginia water quality standards do not include guidelines for turbidity. Generally, water begins to appear cloudy when the turbidity is greater than 5 NTU.

3.1.1 Fall 2025

RBP physical habitat assessment scores ranged from 109 (Little Bull Run) to 145 (Neabsco Creek). The scores indicated that all five sites exhibited suboptimal habitat.

As shown in Table 1, the physical water quality characteristics of the five sites meet the typical water quality conditions described above.

Table 1 - Fall 2025 Field Condition and Parameter Results

Parameter	Units	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
RBP Habitat Assessment/ Characterization Score	--	143	115	109	145	142
RBP Habitat Condition Category	--	Suboptimal	Suboptimal	Suboptimal	Suboptimal	Suboptimal
pH	SU	6.93	7.49	7.52	7.37	7.40
Specific Conductance	µS/cm	307	615	501	192	196
Temperature	°C	14.94	20.40	13.95	15.71	10.35
DO	mg/L	7.76	5.07	11.86	11.91	13.32
Turbidity	NTU	0.0	0.0	37.6	0.3	0.0
Water Depth	m	0.177	0.137	0.107	0.122	0.091
Secchi Depth	m	NM	NM	NM	NM	NM
Reach Length	m	100	100	100	100	100
Reach Width	m	4.572	5.639	6.096	6.096	7.010
Surface Velocity	m/s	0.107	0.001	0.001	0.082	0.099

Abbreviations:
SU = Standard Unit
µS/cm = Microsiemens per Centimeter
°C = degrees Celsius
mg/L = milligrams per liter
NTU = Nephelometric Turbidity Units
m = meters
m/s = meters per second
NM = not measured

Prepared by: GS
Checked by: IT

3.1.2 Spring 2026

RBP physical habitat assessment scores ranged from 134 (**Cow Branch**) to 169 (**Neabsco Creek**). The scores indicated that all sites exhibited optimal or suboptimal habitat for supporting benthic communities.

As shown in Table 2, most of the physical water quality characteristics of the five sites meet the typical water quality conditions described above. The specific conductance at **Dawkins Branch**

was well above the range for inland fresh waters supporting mixed fisheries, but well within the broader range of typical conductivity for streams. The **Cow Branch, Dawkins Branch,** and **Little Bull Run** specific conductance readings were also slightly above the upper expected range of 500 µS/cm.

Table 2 - Spring 2026 Field Condition and Parameter Results

Parameter	Units	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
RBP Habitat Assessment/ Characterization Score	--	134	167	147	169	141
RBP Habitat Condition Category	--	Suboptimal	Optimal	Suboptimal	Optimal	Suboptimal
pH	SU	6.8	7.62	7.59	7.71	7.65
Specific Conductance	µS/cm	629.0	910	561.3	249.5	265.4
Temperature	°C	18.0	21.7	16.7	20.8	19.0
DO	mg/L	9.04	7.49	7.96	8.73	9.79
Turbidity	NTU	1.47	41.8	2.8	1.96	1.34
Water Depth	m	0.15	0.09	0.15	0.24	0.122
Secchi Depth	m	0.15	0.09	0.15	0.24	0.122
sReach Length	m	100	100	100	100	100
Reach Width	m	5.18	7.01	7.01	7.62	6.55
Surface Velocity	m/s	0.33	0.36	0.34	0.44	0.36

Abbreviations:
NR = Not Reported
°C = degrees Celsius
mg/L = milligrams per liter
NM = not measured

Prepared by: RWS
Checked by: INT

3.2 Water Quality Laboratory Results

The laboratory analytical reports are provided in Appendix B. As mentioned in the previous section, the following bullets represent typical conditions and provide a general indication of stream health.

- Ammonia is toxic to fish and other types of aquatic life. Ammonia's toxicity depends on both the temperature and pH of the water, but chronic levels above 3.0 mg/L exceed water quality standards.
- *E. coli* can be used as an indicator of stream impairment from sewage and animal waste. The Virginia Water Quality Standard is 126 most probable number of coliform per 100 milliliters (MPN/100mL).
- Nitrate stimulates plant growth, and excessive plant growth can impact DO levels. Streams in areas with little human impact have less than 0.6 mg/L nitrate.
- Phosphates act as a nutrient for plant growth similar to nitrate. Streams in areas with little human impact have less than 0.1 mg/L. There is no Virginia Water Quality Standard for phosphate. Orthophosphate serves as an indicator of biologically available Phosphorus within streams.

- TKN is the sum of organic nitrogen, ammonia, and ammonium. Though there is no Virginia Water Quality Standard for TKN, it can be used as an indicator for stream impairment.
- There are no Virginia Water Quality standards for total phosphorus or nitrogen. However, total phosphorus levels higher than 0.1 mg/L may stimulate plant growth sufficiently to surpass natural growth rates. Levels in excess of 0.1 mg/L indicate a potential human source such as industrial soaps, sewage, fertilizers, disturbance of soil, animal waste, or industrial effluent.
- TSS, similar to turbidity, is a quantitative measurement of sediment and other particles found in surface water. Though there is no Virginia Water Quality Standard for TSS, it can be used as an indicator for erosion and sedimentation.

3.2.1 Fall 2025

As shown in Table 3, the water quality results for the five sites meet the typical water quality conditions described above, with the exception of elevated *E. coli* levels recorded at **Dawkins Branch, Little Bull Run, and Purcell Branch**. Samples at this site exceed the **Virginia Water Quality Standard of 126 MPN/100mL**. Elevated *E. coli* levels are typically associated with sewage and/or animal waste.

Table 3 - Fall 2025 Water Quality Results

Parameter	Units	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
Ammonia as N	mg/L	0.01	0.03	<0.01	0.02	0.01
E. coli	MPN/100mL	85.7	**410.6**	**12,000**	45	**146.7**
Nitrate+Nitrite	mg/L	0.56	0.14	0.02	0.03	0.37
Orthophosphate as P	mg/L	<0.01	0.01	<0.01	0.01	<0.01
TKN	mg/L	<0.5	<0.5	0.51	<0.5	<0.5
Total Phosphorus	mg/L	<0.01	0.06	0.02	<0.01	0.01
TSS	mg/L	<1.0	18.8	14.9	5.1	1.3

Abbreviations:
< = not detected at the associated reporting limit
mg/L = milligrams per liter
***bold** indicates a result exceeding the VA water quality standards*

Prepared by: GS
Checked by: IT

The laboratory analytical report for the Fall 2025 sampling is provided in Appendix B.

3.2.2 Spring 2026

As shown in Table 4, the water quality results for the five sites meet the typical water quality conditions described above, with the exception of elevated *E. coli* levels recorded at **Cow Branch and fairly high levels at Little Bull Run and Dawkins Branch**, but not in exceedance of the Virginia Water Quality Standard of 126 MPN/100mL. **.**

Table 4 - Spring 2026 Water Quality Results

Parameter	Units	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
Ammonia as N	mg/L	< 0.01	0.04	0.06	0.14	< 0.01
E. coli	MPN/100mL	**137.4**	99.0	111.9	22.8	58.6
Nitrate+Nitrite	mg/L	0.30	0.04	0.54	0.20	0.10
Orthophosphate as P	mg/L	< 0.01	0.01	0.01	< 0.01	< 0.01
TKN	mg/L	< 0.50	0.52	< 0.50	0.50	< 0.50
Total Phosphorus	mg/L	< 0.01	0.03	0.03	0.02	< 0.01
TSS	mg/L	< 1.0	8.9	2.5	2.6	< 1.0

Abbreviations:
< = not detected at the associated reporting limit
mg/L = milligrams per liter
***bold** indicates a result exceeding the VA water quality standards (>126 MPN/100mL)*

Prepared by: RWS
Checked by: INT

The laboratory analytical report for the Spring 2026 sampling is provided in Appendix B.

3.3 Benthic Macroinvertebrate Results

Terms such as “tolerant” and “intolerant” taxa are used to describe benthic communities in this document without the negative or positive lay connotations of such language. **Tolerant** taxa are benthic species adapted to survive in a broad range of environmental conditions, whereas I**ntolerant** taxa are adapted to more limited range of environmental conditions. The term “impairment” has a negative connotation with its lay usage; in this document, the term is used to describe the nature and composition of a benthic community. The scientific “impairment” conditions are classified into four categories:

No Impairment	Similar to the reference conditions; the benthic community is of excellent quality.
Slight Impairment	Sustaining a diverse and abundant benthic community with some intolerant taxa; the benthic community is of good quality.
Moderate Impairment	Not having a highly diverse and abundant community, but having taxa present in several major groups, generally a few intolerant taxa and one taxon being dominant; the community has been impacted.
Severe Impairment	Few, if any, benthic invertebrate taxa are present, all tolerant taxa, low diversity, and often one taxon is very abundant; the benthic community has been severely impacted.

WSP's laboratory sorted and identified the organisms in the benthic macroinvertebrate samples and provided reports dated January 16, 2025, for the Fall 2025 sampling event, and July 31, 2026, for the Spring 2026 sampling event (Appendix C).

3.3.1 Fall 2025

A total of 94 taxa were identified from the fall samples. Among the five sites, taxa richness ranged from 30 to 47, while abundance ranged from 181 to 213. EPT index ranged from 4 to 10 among the sites.

The percentage of the dominant taxon ranged from 22.96 to 45.86%. The percentage of the top two taxa combined, which is a VSCI metric, ranged from 29.59 to 54.70%.

The HBI ranged from 5.74 to 7.06 for the sites, with a corresponding HBI Category score of "Fairly Poor" and "Fair". The PMA ranged from 34.94 to 77.24 for the sites, indicating levels of impactedness ranging from "Severely Impacted" at Dawkins Branch, to "Non-Impacted" at Little Bull Run.

Results from the calculation of the VSCI for the individual sample sites ranged from 43.72 (Cow Branch) to 67.20 (Purcell Branch).

Table 5 - Fall 2025 Benthic Macroinvertebrate Results

Metric	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
Taxa Richness	30	32	47	40	38
Abundance	204	181	196	191	213
EPT Index	5	4	9	7	10
EPT/EPT+ Chironomidae	0.72	0.67	0.51	0.70	0.93
Percent Dominant Taxon	31.37	45.86	22.96	25.65	29.11
Percent Chironomidae	23.04	3.31	32.14	16.75	4.69
BI	6.80	7.06	6.17	6.47	5.74
BI Category	Fairly Poor	Fairly Poor	Fair	Fair	Fair
PMA	45.39	34.94	77.24	50.89	41.60
PMA Category	Moderately impacted	Severely impacted	Non-impacted	Slightly impacted	Moderately Impacted
VSCI	43.72	47.91	64.02	56.50	67.20
VSCI Category	Stress	Stress	Good	Stress	Good

Abbreviations:
BI = Biotic Index
EPT = Ephemeroptera, Plecoptera, and Trichoptera
PMA = percent model affinity
VSCI = Virginia Stream Condition Index

Prepared by: GS
Checked by: IT

3.3.2 Spring 2026

A total of 108 taxa were identified from the spring samples. Among the five sites, taxa richness ranged from 34 to 52, while abundance ranged from 194 to 208. The EPT taxa index ranged from 0 to 12 among the sites.

The percentage of the top taxa ranged from 16.76 to 50.72%. Percentage of the top two taxa combined, which is a VSCI metric, ranged from 19.07% to 39.51%.

The HBI ranged from 5.63 to 6.42 for the sites, with a corresponding HBI Category score of "Fair" for all five sites. The PMA ranged from 36.83 to 64.70 for the sites, indicating levels of impactedness ranging from "Slightly impacted/Non-impacted" at Purcell Branch, to "Moderately Impacted" at Little Bull Run and Dawkins Branch.

Results from the calculation of the VSCI for the individual sample sites ranged from 36.70 and Severe Stress (Dawkins Branch) to 62.64 and Good (Purcell Branch).

Table 6 - Spring 2026 Benthic Macroinvertebrate Results

Metric	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
Taxa Richness	52	40	34	36	52
Abundance	194	205	208	197	203
EPT Index	9	0	3	9	12
EPT/EPT+ Chironomidae	0.21	0.00	0.03	0.23	0.42
Percent Dominant Taxon	11.86	24.88	18.27	20.30	10.84
Percent Chironomidae	53.61	61.46	74.52	65.48	44.83
BI	6.42	6.24	6.36	5.63	5.71
BI Category	Fair	Fair	Fair	Fair	Fair
PMA	50.46	36.83	42.98	49.64	64.70
PMA Category	Slightly impacted	Moderately impacted	Moderately impacted	Moderately impacted/Slightly impacted	Slightly impacted/ Non-impacted
VSCI	53.29	36.70	41.02	51.87	62.64
VSCI Category	Stress	Severe Stress	Severe Stress	Stress	Good

Abbreviations:
BI = Biotic Index
EPT = Ephemeroptera, Plecoptera, and Trichoptera
PMA = percent model affinity
VSCI = Virginia Stream Condition Index

Prepared by: RWS
Checked by: INT

3.4 Comparison to Baseline Results

In the assessment of measured field and laboratory water quality parameters, the Fall 2025 and Spring 2026 sampling results have shown slight improvements compared to the Fall and Spring baseline sampling results from 2016, are within or slightly above the normal ranges, and are below Virginia's Water Quality Standards, except for *E. coli exceedances at* **Dawkins Branch, Little Bull Run, and Purcell Branch** during Fall 2025 and **Cow Branch** during Spring 2026*.*

The habitat and benthic community results among the events are summarized below in Table 7. Steady increases in metrics assessing the health of the benthos at each site appear to remain constant or improve though out the years except for HBI and PMA metrics. In Table 9 improvements from baseline are shown in green, no change from baseline are shown in blue, and regression from baseline are shown in red.

Table 7 - Habitat and Benthic Community Comparison Summary

Parameter	Event	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
RBP Habitat Score	Baseline (Spring)	94	126	120	134	103
	Baseline (Fall)	104	147	110	136	87
	2017 (Spring)	98	134	94	123	108
	2017 (Fall)	101	116	98	114	80
	2018 (Spring)	93	126	103	113	106
	2018 (Fall)*	106	114	126	129	105
	2019 (Spring)*	113	99	124	117	103
	2019 (Fall)	132	134	120	136	117
	2020 (Spring)	107	106	102	127	89
	2020 (Fall)	109	120	142	121	114
	2021 (Spring)	122	103	138	114	117
	2021 (Fall)	129	117	128	149	106
	2022 (Spring)	167	163	145	174	147
	2022 (Fall)	144	144	122	153	101
	2023 (Spring)	152	136	137	169	123
	2023 (Fall)	158	157	147	158	131
	2024 (Spring)	138	137	117	153	132
	2024 (Fall)	166	175	121	172	143
	2025 (Spring)	178	146	155	180	142
	2025 (Fall)	143	115	109(-1)	145	142
	2026 (Spring)	134	167	147	169	141
RBP Habitat Category	Baseline (Spring)	Marginal	Suboptimal	Suboptimal	Suboptimal	Suboptimal
	Baseline (Fall)	Suboptimal	Suboptimal	Suboptimal	Suboptimal	Marginal
	2017 (Spring)	Marginal	Suboptimal	Marginal	Suboptimal	Suboptimal
	2017 (Fall)	Suboptimal	Suboptimal	Marginal	Suboptimal	Marginal
	2018 (Spring)	Marginal	Suboptimal	Suboptimal	Suboptimal	Suboptimal
	2018 (Fall)	Suboptimal	Suboptimal	Suboptimal	Suboptimal	Suboptimal
	2019 (Spring)	Suboptimal	Marginal	Suboptimal	Suboptimal	Suboptimal
	2019 (Fall)	Suboptimal	Suboptimal	Suboptimal	Suboptimal	Suboptimal
	2020 (Spring)	Suboptimal	Suboptimal	Suboptimal	Suboptimal	Marginal
	2020 (Fall)	Suboptimal	Suboptimal	Suboptimal	Suboptimal	Suboptimal
	2021 (Spring)	Suboptimal	Suboptimal	Suboptimal	Suboptimal	Suboptimal
	2021 (Fall)	Suboptimal	Suboptimal	Suboptimal	Suboptimal	Suboptimal
	2022 (Spring)	Optimal	Optimal	Suboptimal	Optimal	Suboptimal
	2022 (Fall)	Suboptimal	Suboptimal	Suboptimal	Optimal	Suboptimal
	2023 (Spring)	Optimal	Suboptimal	Suboptimal	Optimal	Suboptimal
	2023 (Fall)	Optimal	Optimal	Suboptimal	Optimal	Suboptimal
	2024 (Spring)	Suboptimal	Suboptimal	Suboptimal	Optimal	Suboptimal
	2024 (Fall)	Optimal	Optimal	Suboptimal	Optimal	Suboptimal
	2025 (Spring)	Optimal	Suboptimal	Optimal	Optimal	Suboptimal
	2025 (Fall)	Suboptimal	Suboptimal	Suboptimal	Suboptimal	Suboptimal
	2026 (Spring)	Suboptimal	Optimal	Suboptimal	Optimal	Suboptimal
BI Category	Baseline (Spring)	Fair	Fair	Good	Good	Good
	Baseline (Fall)	Good	Fair	Fair	Fair	Fair
	2017 (Spring)	Fairly Poor	Good	Fair	Fair	Good
	2017 (Fall)	Fair	Fair	Fair	Fair	Good
	2018 (Spring)	Fair	Fairly Poor	Fair	Fairly Poor	Good
	2018 (Fall)*	Fair	Good	Good	Good	Good
	2019 (Spring)*	Fair	Good	Fair	Fair	Good
	2019 (Fall)	Fairly Poor	Fairly Poor	Fair	Fair	Fair
	2020 (Spring)	Fairly Poor	Good	Good	Fair	Good
	2020 (Fall)	Fairly Poor	Fair	Fair	Fair	Fair
	2021 (Spring)	Good	Fair	Fair	Fair	Good
	2021 (Fall)	Fair	Fairly Poor	Fair	Good	Fair
	2022 (Spring)**	Good	Fairly Poor	Fairly Poor	Good	Good
	2022 (Fall)**	Fair	Fairly Poor	Fair	Fair	Good

Parameter	Event	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
	2023 (Spring)	Fair	Fairly Poor	Fair	Fair	Fair
	2023 (Fall)	Fairly Poor	Fair	Good	Fair	Good
	2024 (Spring)	Fair	Fairly Poor	Fair	Fair	Fair
	2024 (Fall)	Good	Fairly Poor	Fair	Fair	Fair
	2025 (Spring)	Fair	Fairly Poor	Fairly poor	Fair	Fair
	2025 (Fall)	Fairly Poor	Fairly Poor	Fair	Fair	Fair
	2026 (Spring)	Fair	Fair	Fair	Fair	Fair
PMA Category	Baseline (Spring)	Severely Impacted	Moderately Impacted	Moderately Impacted	Severely Impacted	Moderately Impacted
	Baseline (Fall)	Slightly Impacted	Moderately Impacted	Moderately Impacted	Slightly Impacted	Slightly Impacted
	2017 (Spring)	Moderately Impacted	Slightly Impacted	Moderately Impacted	Moderately Impacted	Moderately Impacted
	2017 (Fall)	Moderately Impacted	Slightly Impacted	Non-Impacted	Slightly Impacted	Slightly Impacted
	2018 (Spring)	Moderately Impacted	Moderately Impacted	Slightly Impacted	Moderately Impacted	Moderately Impacted
	2018 (Fall)*	Moderately Impacted	Moderately Impacted	Slightly Impacted	Moderately Impacted	Slightly Impacted
	2019 (Spring)*	Moderately Impacted	Moderately Impacted	Moderately Impacted	Slightly Impacted	Non-impacted
	2019 (Fall)	Moderately Impacted	Slightly Impacted	Non-impacted	Slightly Impacted	Slightly Impacted
	2020 (Spring)	Moderately Impacted	Moderately Impacted	Slightly Impacted	Slightly Impacted	Slightly Impacted
	2020 (Fall)	Severely Impacted	Slightly Impacted	Non-impacted	Slightly Impacted	Slightly Impacted
	2021 (Spring)	Severely Impacted	Moderately Impacted	Moderately Impacted	Moderately Impacted	Moderately Impacted
	2021 (Fall)	Severely Impacted	Non-Impacted	Non-Impacted	Moderately Impacted	Moderately Impacted
	2022 (Spring)	Severely Impacted	Moderately Impacted	Non-Impacted	Slightly Impacted	Moderately Impacted
	2022 (Fall)	Severely Impacted	Severely Impacted	Slightly Impacted	Severely Impacted	Moderately Impacted
	2023 (Spring)	Moderately Impacted	Moderately Impacted	Non-impacted	Moderately Impacted	Moderately Impacted
	2023 (Fall)	Moderately Impacted	Moderately Impacted	Slightly Impacted	Slightly Impacted	Slightly Impacted
	2024 (Spring)	Severely impacted	Severely Impacted	Moderately Impacted	Severely Impacted	Moderately Impacted
	2024 (Fall)	Moderately impacted	Moderately impacted	Non-impacted	Moderately impacted	Moderately impacted
	2025 (Spring)	Moderately impacted	Moderately impacted	Slightly impacted	Moderately impacted	Moderately impacted
	2025 (Fall)	Moderately impacted	Severely impacted	Non-impacted	Slightly impacted	Moderately impacted
	2026 (Spring)	Slightly Impacted	Moderately impacted	Moderately impacted	Moderately impacted/Slightly impacted	Slightly impacted/non-impacted
VSCI Score	Baseline (Spring)	27.85	35.67	39.29	32.96	46.40
	Baseline (Fall)	36.54	49.42	56.59	39.44	57.34
	2017 (Spring)	37.17	39.85	38.66	47.03	41.71
	2017 (Fall)	41.78	49.71	61.83	58.67	63.60
	2018 (Spring)	40.61	48.25	52.47	42.94	48.40
	2018 (Fall)*	49.91	52.64	74.17	60.74	64.67
	2019 (Spring)*	37.33	45.35	49.27	44.68	47.14
	2019 (Fall)	42.95	62.99	67.99	56.10	60.76
	2020 (Spring)	34.52	41.42	42.77	47.03	47.53

Parameter	Event	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
	2020 (Fall)	35.57	48.77	62.62	57.12	55.25
	2021 (Spring)	34.71	45.91	45.24	38.48	41.08
	2021 (Fall)	51.26	54.70	70.52	61.30	60.12
	2022 (Spring)**	30.27	44.88	53.96	50.11	48.13
	2022 (Fall)**	57.02	49.64	68.71	54.11	64.54
	2023 (Spring)	44.23	40.19	50.65	43.19	44.81
	2023 (Fall)	48.40	51.11	57.51	56.82	70.21
	2024 (Spring)	29.88	37.14	46.93	42.49	51.25
	2024 (Fall)	59.83	43.70	60.16	57.37	61.18
	2025 (Spring)	44.13	41.51	41.35	41.78	50.52
	2025 (Fall)	43.72	47.91	64.02	56.50	67.20
	2026 (Spring)	53.29	36.70	41.02	51.87	62.64
VSCI Category	Baseline (Spring)	Severe Stress	Severe Stress	Severe Stress	Severe Stress	Stress
	Baseline (Fall)	Severe Stress	Stress	Stress	Severe Stress	Stress
	2017 (Spring)	Severe Stress	Severe Stress	Severe Stress	Stress	Severe Stress
	2017 (Fall)	Severe Stress	Stress	Good	Stress	Good
	2018 (Spring)	Severe Stress	Stress	Stress	Stress	Stress
	2018 (Fall)*	Stress	Stress	Excellent	Good	Good
	2019 (Spring)*	Severe Stress	Stress	Stress	Stress	Stress
	2019 (Fall)	Stress	Good	Good	Stress	Good
	2020 (Spring)	Severe Stress	Severe Stress	Stress	Stress	Stress
	2020 (Fall)	Severe Stress	Stress	Good	Stress	Stress
	2021 (Spring)	Severe Stress	Stress	Stress	Severe Stress	Stress
	2021 (Fall)	Stress	Stress	Good	Good	Good
	2022 (Spring)**	Severe Stress	Stress	Stress	Stress	Stress
	2022 (Fall)**	Stress	Stress	Good	Stress	Good
	2023 (Spring)	Stress	Severe Stress	Stress	Stress	Stress
	2023 (Fall)	Stress	Stress	Stress	Stress	Good
	2024 (Spring)	Severe Stress	Severe Stress	Stress	Severe Stress	Stress
	2024 (Fall)	Stress	Stress	Good	Stress	Good
	2025 (Spring)	Stress	Severe Stress	Severe Stress	Severe Stress	Stress
	2025 (Fall)	Stress	Stress	Good	Stress	Good
	2026 (Spring)	Stress	Severe Stress	Severe Stress	Stress	Good

*Previously reported VSCI Scores for Fall 2018 and Spring 2019 have shifted slightly due to a calculation error.
**Previously reported HBI and VSCI Scores for Spring 2022 and Fall 2022 have been revised due to a calculation error.

Prepared by: RWS
Checked by: INT

Note: Beginning in 2022, the HBI calculation has been revised to the new method (Method 2) that divides (Individual Abundance * Tolerance Value) by Total Abundance of taxa within the sample that have a Tolerance Value, *i.e.*, excludes abundances of those taxa without a Tolerance Value.

Improvements from baseline are shown in green, no change from baseline are shown in blue, and regression from baseline are shown in red.

4 Summary and Conclusions

The following sections present a summary of the Fall 2025 and Spring 2026 sampling events and compare the results with the previous sampling events conducted in 2016 through the Spring of 2026. This section also provides conclusions for the current report period. It should be noted that there are biological changes associated with seasonality and fluctuating weather patterns, with differing taxa emerging in the spring, and transitional life stages (e.g., metamorphosis) during and between events that may account for benthic community dynamics.

4.1 Summary

4.1.1 Fall 2025

Measured field and laboratory water quality parameters are generally within the normal ranges for shallow, cool, turbulent, piedmont Virginia streams, and generally meet Virginia's Water Quality Standards, as outlined in Section 3, except for *E. coli* at Dawkins Branch, Little Bull Run and Purcell Branch. The RBP physical habitat assessment scores for Cow Branch, Neabsco Creek, and Purcell Branch have all improved against the baseline. Little Bull Run scored almost identically to the baseline (109 vs. 110), and the Dawkins Branch score declined against the baseline RBP scores. All five sites measured exhibited suboptimal habitat for supporting benthic communities, which was unchanged for all sites except for an improvement for Purcell Branch from marginal to suboptimal. See Table 7 for more details.

4.1.2 Spring 2026

Measured field and laboratory water quality parameters are generally within the normal ranges for shallow, cool, turbulent, piedmont Virginia streams, and generally meet Virginia's Water Quality Standards, as outlined in Section 3, except for *E. coli* at Cow Branch. The *E.coli* values for all five sites do not seem to follow any discernable patterns. The RBP physical habitat assessment scores increased for all five sites measured in comparison to the baseline spring scores. This resulted in an improved category designation for Cow Branch, Dawkins Branch, and Neabsco Creek, while the designations remained unchanged against the baseline at Little Bull Run and Purcell Branch. See Table 7 for more details.

4.2 Conclusions

The measured field and laboratory water quality parameters from the Fall 2025 and Spring 2026 sampling results are generally comparable to the baseline sampling results, are within the normal ranges, and are below Virginia's Water Quality Standards except for elevated *E. coli* during Fall 2025 for Dawkins Branch, Little Bull Run, and Purcell Branch and during Spring 2026 at Cow Branch. Monitoring efforts will be targeted to avoid collection periods following storm events to characterize the benthos and ambient water quality conditions.

Biological metrics, habitat assessments, and evaluations of the benthic macroinvertebrate communities at each site have indicated a marginal level of improvement compared to baseline conditions, though a regression from improvement in recent years at several sites. The biotic index (BI) is an indicator of the habitat quality of a body of water based on the abundance or scarcity of macroinvertebrates and their tolerance or intolerance of pollutants. The BI scores for all five sites were relatively unchanged in both Fall and Spring sampling events across all five

sites in comparison to the baseline scores. Accordingly, the categorical values for BI were also relatively unchanged.

When looking at the PMA category changes, the Fall 2025 values regressed for Cow Branch, Dawkins Branch, and Purcell Branch. Little Bull Run improved and Neabsco Creek was unchanged. The Spring 2026 sampling showed an improvement at Neabsco Creek and the remaining four sites were unchanged compared to the baselines. Historically, the PMA index measurements have been relatively stable across all five sites.

The Virginia Stream Condition Index (VSCI) is a multimetric calculation of benthic integrity converted into a single numerical score. The VSCI scores improved at all five sites for both the Fall 2025 and Spring 2026 sampling events with the lone exception being at Dawkins Branch and only fractionally. The corresponding category values also showed improvement against the baselines overall.

The results of this report indicate that the health of these representative monitoring sites from across Prince William County are remaining stable.

5 References

Amec Foster Wheeler, 2015. Sampling Plan for Benthic Macroinvertebrate and Water Quality Monitoring, Prince William County, Virginia. December 29, 2015.

Barbour, M. T., J. Gerritsen, B. D. Snyder, and J. B. Stribling, 1999. Rapid bioassessment protocols for use in streams and wadeable rivers: periphyton, benthic macroinvertebrates, and fish. 2nd ed. EPA 841-B-99-002. U.S. Environmental Protection Agency, Office of Water, Washington, DC.

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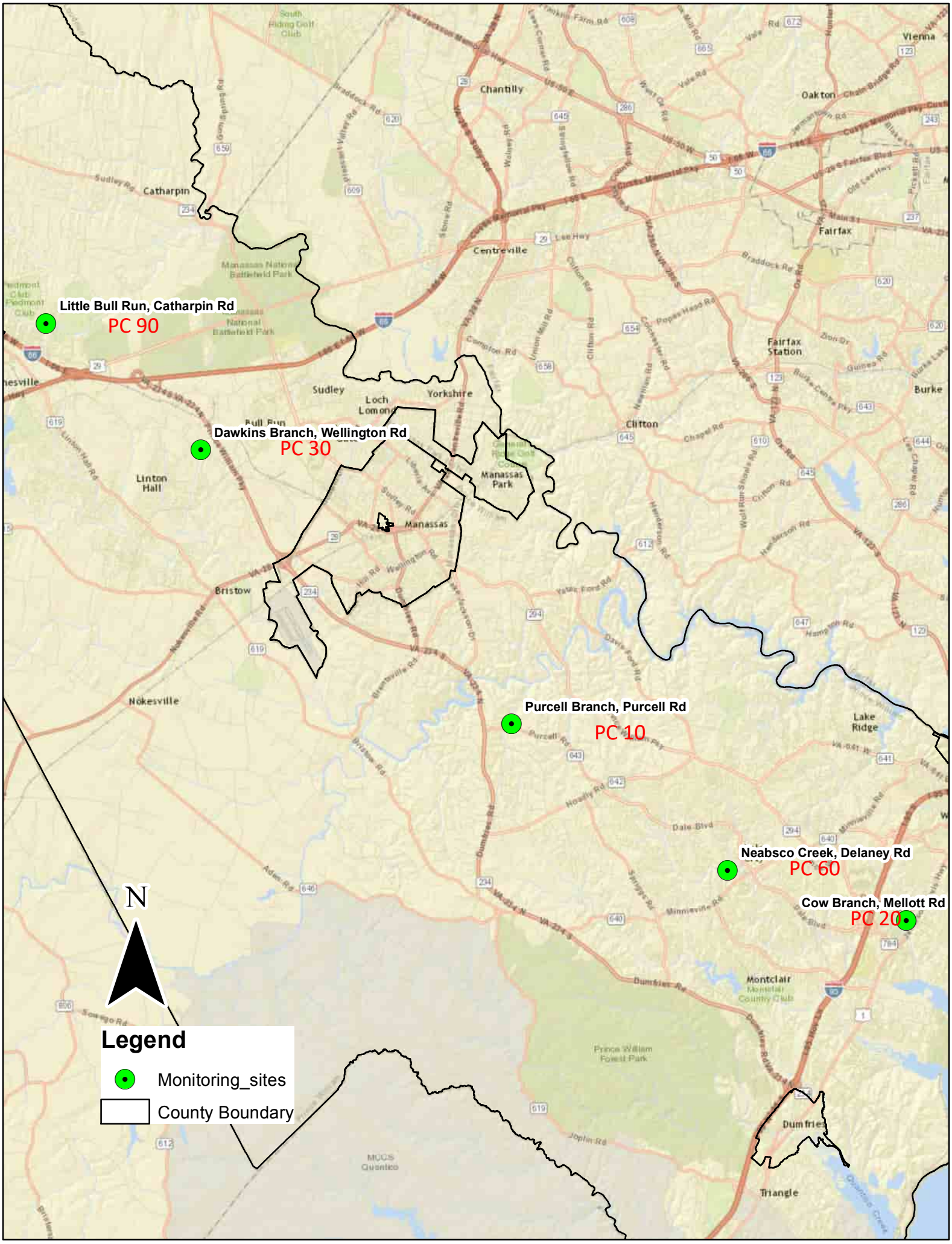
Novak, M. A. and R. W. Bode. 1992. Percent model affinity: a new measure of macroinvertebrate community composition. Journal of North American Benthological Society 11 (1): 80-85.

TetraTech, 2003. A Stream Condition Index for Virginia Non-Coastal Streams. Owings Mill, MD. September 2003.

DEQ, 2008. Biological Monitoring Program Quality Assurance Project Plan for Wadeable Streams and Rivers. Division of Water Quality, Office of Water Quality Monitoring and Assessment Programs, VA. August 2008. Available at: http://www.deq.virginia.gov/Portals/0/DEQ/Water/WaterQualityMonitoring/BiologicalMonitoring/BioMonQAPP_13Aug2008.pdf.

Virginia's Legislative Information System (LIS). 2017. 9VAC25-260-50. Numerical Criteria for Dissolved Oxygen, Ph, and Maximum Temperature. Available at: http://law.lis.virginia.gov/admincode/title9/agency25/chapter260/section50/. Accessed July 12, 2017.

FIGURES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PC 90
Dawkins Branch, Wellington Rd
PC 30
Purcell Branch, Purcell Rd
PC 10
Neabsco Creek, Delaney Rd
PC 60
Cow Branch, Mellott Rd
PC 20
N
Legend
Monitoring_sites
County Boundary
Catharpin
Chantilly
Centreville
Vienna
Oakton
Fairfax
Fairfax Station
Burke
Clifton
Sudley
Loch Lomond
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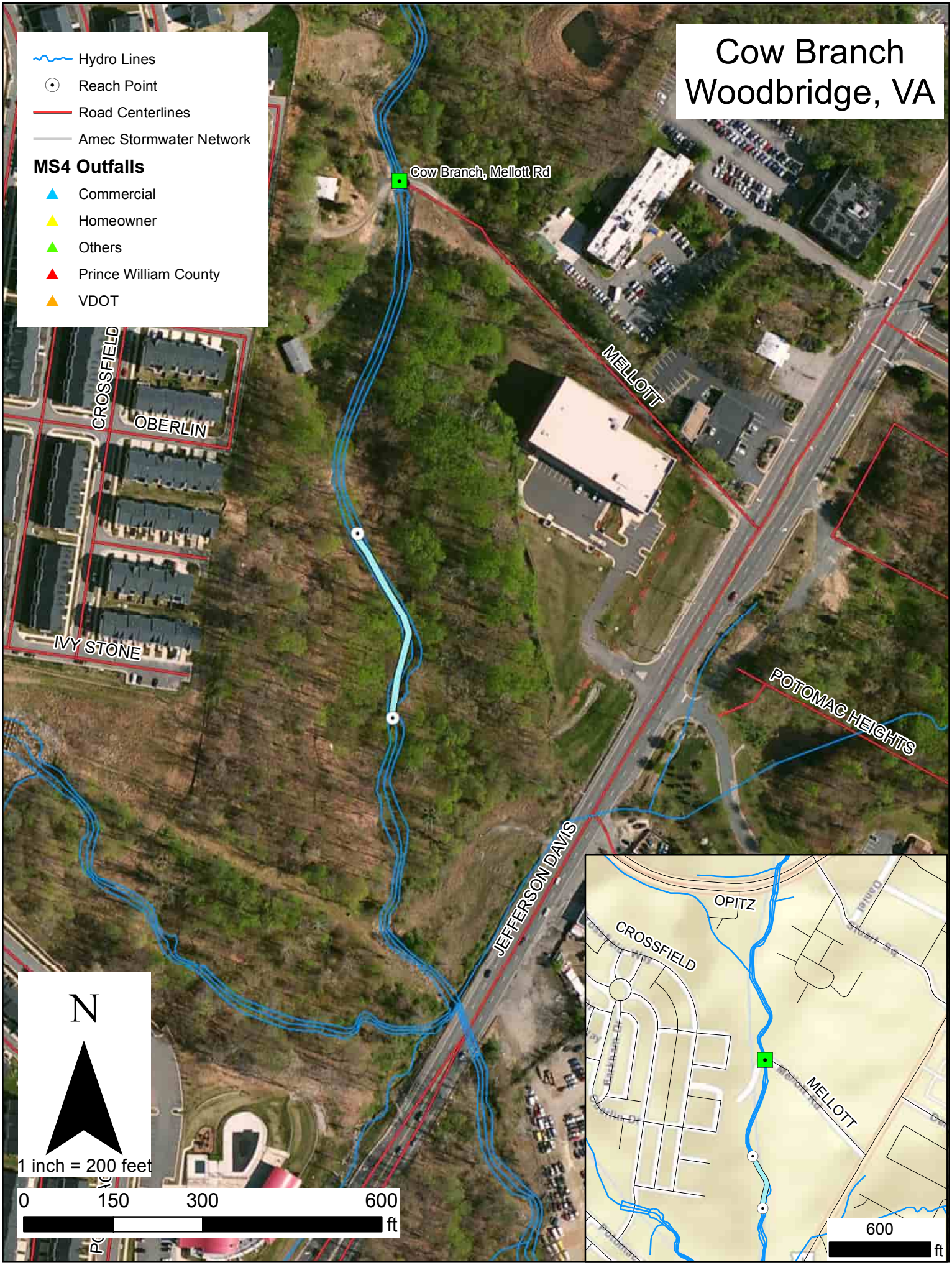
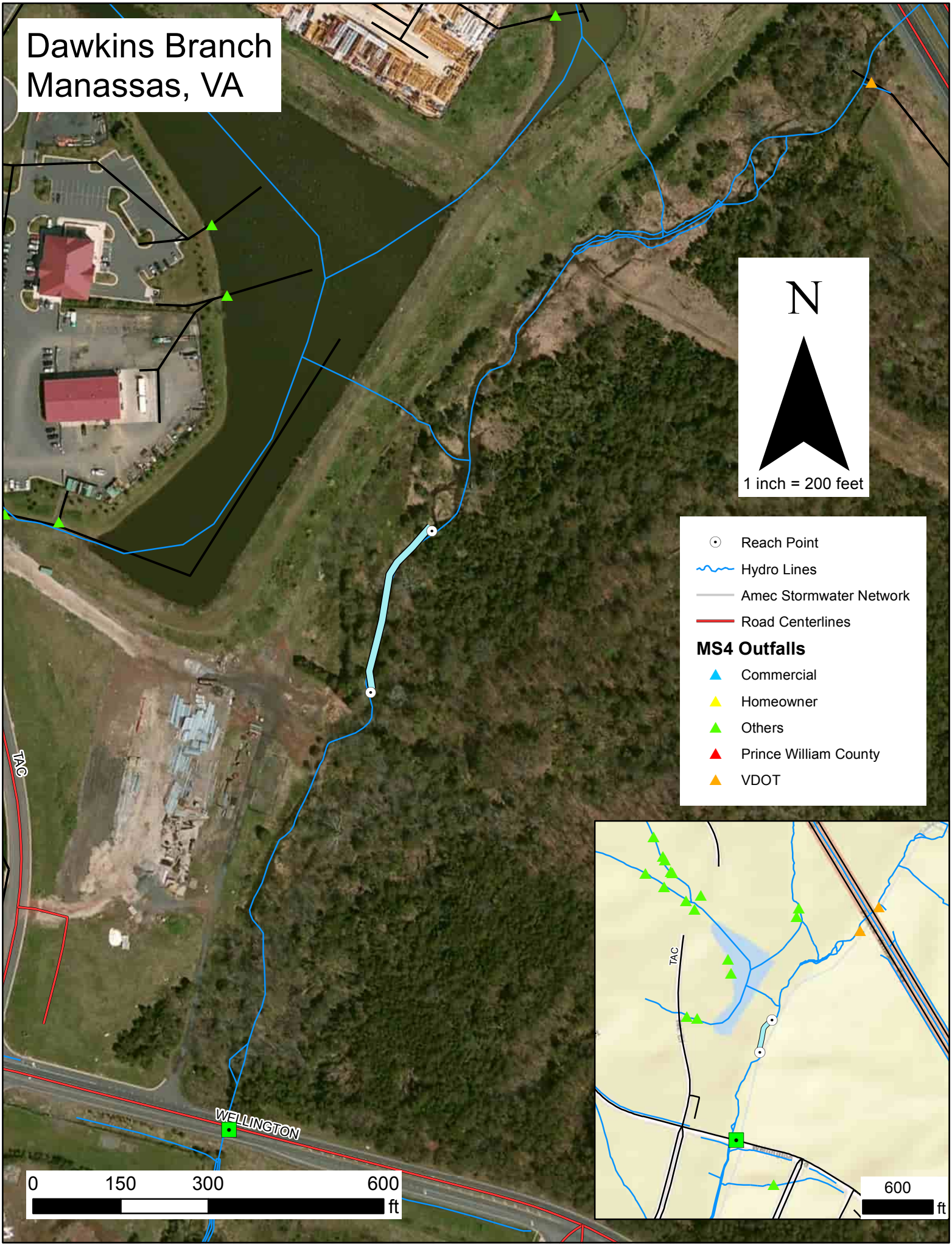
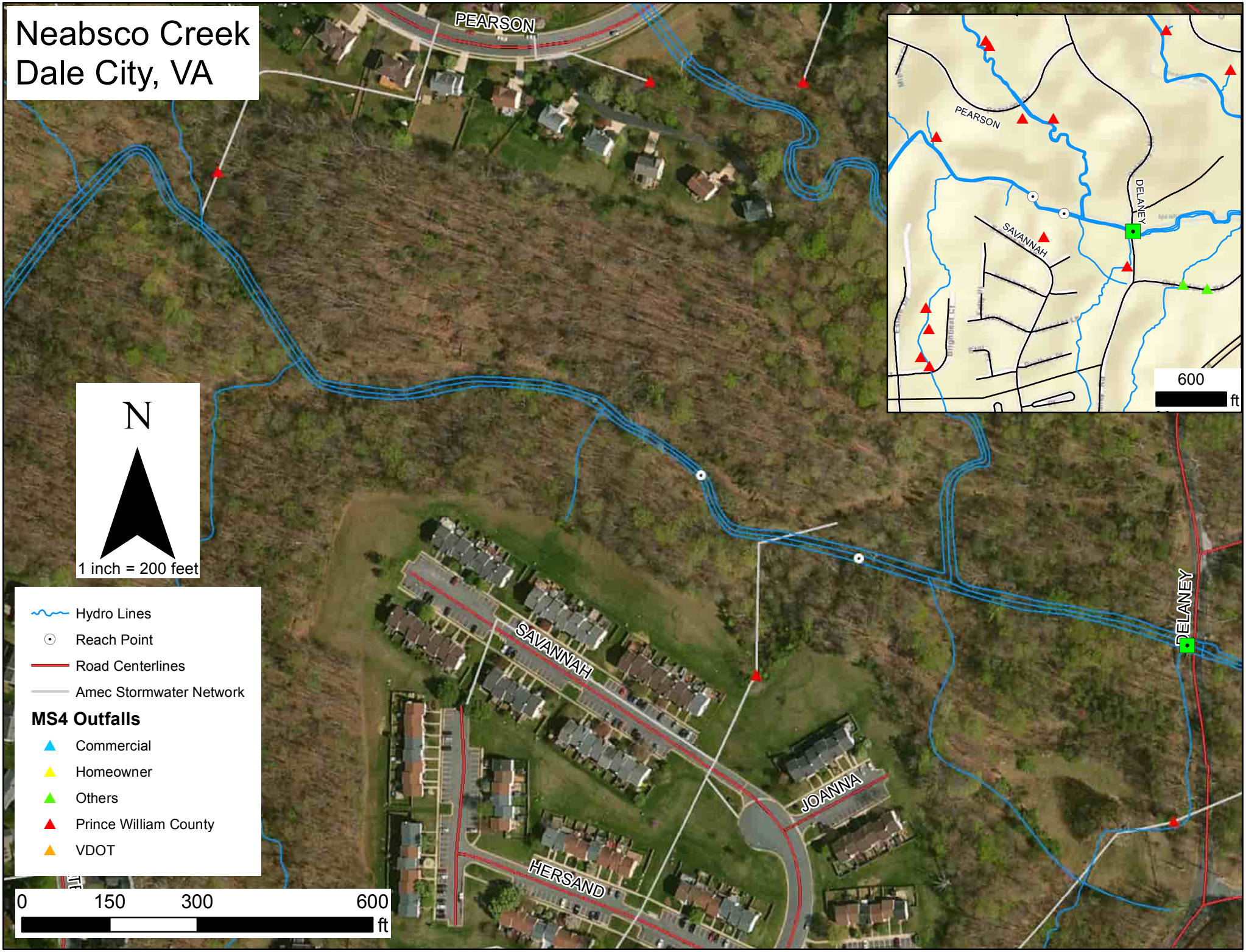
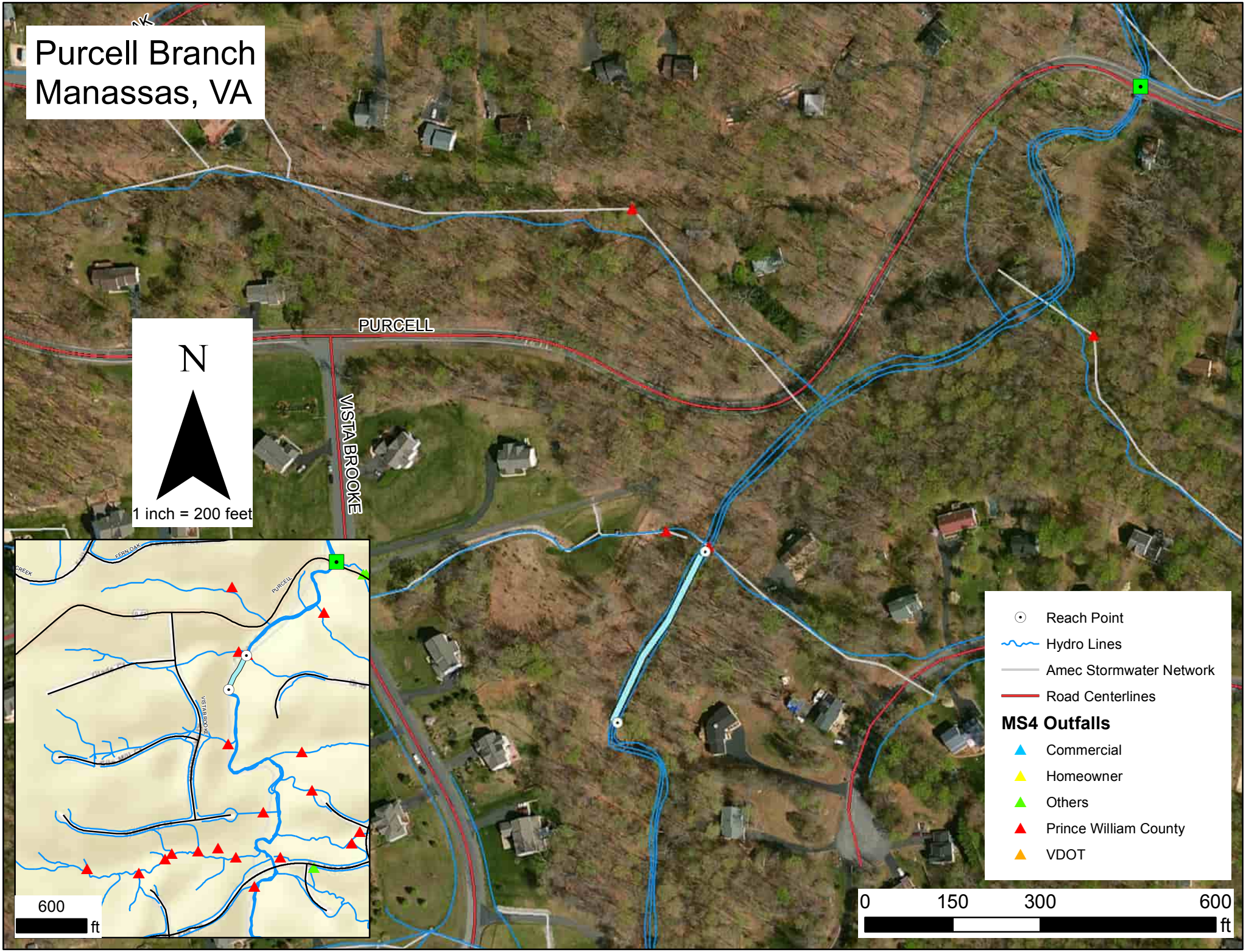
Nokesville
Lake Ridge
Montclair
Dumfries
Triangle


Cow Branch
Woodbridge, VA
Hydro Lines
Reach Point
Road Centerlines
Amec Stormwater Network
MS4 Outfalls
Commercial
Homeowner
Others
Prince William County
VDOT
Cow Branch, Mellott Rd
MELLOTT
CROSSFIELD
OBERLIN
IVY STONE
POTOMAC HEIGHTS
JEFFERSON DAVIS
OPITZ
CROSSFIELD
MELLOTT
N
1 inch = 200 feet
0
150
300
600
ft
600
ft


Dawkins Branch
Manassas, VA
N
1 inch = 200 feet
Reach Point
Hydro Lines
Amec Stormwater Network
Road Centerlines
MS4 Outfalls
Commercial
Homeowner
Others
Prince William County
VDOT
TAC
WELLINGTON
0
150
300
600
ft
TAC
600
ft

Little Bull Run
Gainesville, VA
PIEDMONT VISTA
SNICKERSVILLE
HUNTERS RUN
600
ft
N
1 inch = 200 feet
Reach Point
Hydro Lines
Amec Stormwater Network
Road Centerlines
MS4 Outfalls
Commercial
Homeowner
Others
Prince William County
VDOT
EMMANUEL
HUNTERS RUN
FALLSMERE
0
150
300
600
ft


Neabsco Creek
Dale City, VA
PEARSON
SAVANNAH
JOANNA
HERSAND
DELANEY
N
1 inch = 200 feet
Hydro Lines
Reach Point
Road Centerlines
Amec Stormwater Network
MS4 Outfalls
Commercial
Homeowner
Others
Prince William County
VDOT
0
150
300
600
ft
600
ft


Purcell Branch
Manassas, VA
PURCELL
VISTA BROOKE
N
1 inch = 200 feet
Reach Point
Hydro Lines
Amec Stormwater Network
Road Centerlines
MS4 Outfalls
Commercial
Homeowner
Others
Prince William County
VDOT
0
150
300
600
ft
600
ft

APPENDIX A

SITE DATA SHEETS

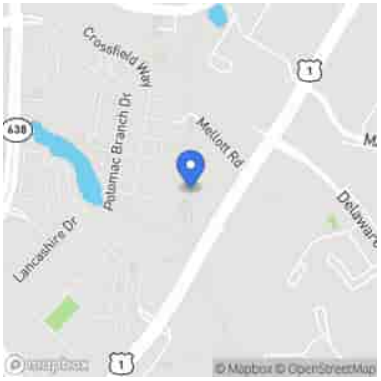
Fall 2025

Biological Monitoring Form

Project Name	PWC Biomonitoring
Project Number	
Site Name	Cow Branch
Site ID	PC 20
Site Address	
Date	10/09/25
Time	09:45
Technician(s) List name or names of all relevant technicians/samplers or other personnel	RS, IT

Stream Name	Cow Branch
Location	Woodbridge
River Basin	Potomac
Investigators	RS, IT
Reason for Survey	Monitoring
Weather Conditions	Clear / Sunny

GPS location



RIPARIAN VEGETATION (18 meter buffer)	
Dominant Type	Trees

INSTREAM FEATURES	
Est. Stream Width (ft)	15.0
Est. Stream Depth (ft)	0.58
Surface Velocity (ft/sec at thalweg)	0.35
Canopy Cover	Partly open
High Water Mark (ft)	0.9
Channelized	○ Yes ● No
Dam Present	○ Yes ● No
Proporation of Reach by Stream Morphology Types	
Riffle (%)	65
Run (%)	10
Pool (%)	25

AQUATIC VEGETATION	
Dominant Type	Attached Algae
Portion of reach with aquatic veg	50

WATER QUALITY	
Temperature °C	14.94
Specific Conductance µS/cm	307
Dissolved Oxygen mg/L	7.76
pH	6.93
Turbidity NTU	0
WQ Instrument Used	YSI and Turbidity meter
Water Odors	☑ Normal / None ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Fishy ☐ Other
Water Surface Oils	☐ Slick ☐ Sheen ☐ Globs ☐ Flecks ☑ None ☐ Other

Inorganic Substrate Components (should add up to 100%)

Substrate Type	Diameter	% Composition in sampling reach
Bedrock	**NA**	5.0
Boulder	**>256 mm** (10")	15.0
Cobble	**64 - 256 mm** (2.5" - 10")	30.0
Gravel	**2 - 64 mm** (0.1" - 2.5")	30.0
Sand	**0.06 - 2 mm** (gritty)	10.0
Silt	**0.004 - 0.06 mm**	5.0
Clay	**< 0.004 mm** (slick)	5.0

Parameters to be evaluated in sampling reach	
Habitat Parameter	**Condition Category**
Epifaunal Substrate / Available Cover	18
Embeddedness	10
Velocity / Depth Regime	10
Sediment Deposition	12
Channel Flow Status	12

Parameters to be evaluated broader than sampling reach	
Habitat Parameter	**Condition Category**
Channel Alteration	16
Frequency of Riffles (or Bends)	13
Bank Stability (LEFT BANK)	8
Bank Stability (RIGHT BANK)	8
Vegetative Protection (LEFT BANK)	8
Vegetative Protection (RIGHT BANK)	8
Riparian Vegetative Zone Width (LEFT BANK)	10
Riparian Vegetative Zone Width (RIGHT BANK)	10

Field Photography

Image 1

Caption for Image 1

Downstream site looking upstream

Submit

Tablet Form Completed By:

Name	Ilana Ton
Initials	IT
Signature	
Date/Time	10/08/2025 11:17

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Biological Monitoring Form	
Project Name	PWC Biomonitoring
Project Number	
Site Name	Dawkins Branch
Site ID	PC 30
Site Address	
Date	10/07/25
Time	13:44
Technician(s) List name or names of all relevant technicians/samplers or other personnel	RS, IT

Stream Name	Dawkins Branch
Location	Manassas
River Basin	Potomac
Investigators	RS, IT
Reason for Survey	Monitoring
Weather Conditions	Clear / Sunny

GPS location

RIPARIAN VEGETATION (18 meter buffer)	
Dominant Type	Trees

INSTREAM FEATURES	
Est. Stream Width (ft)	18.5
Est. Stream Depth (ft)	0.25
Surface Velocity (ft/sec at thalweg)	0.003
Canopy Cover	Partly open
High Water Mark (ft)	0.75
Channelized	○ Yes ● No
Dam Present	○ Yes ● No
Proporation of Reach by Stream Morphology Types	
Riffle (%)	50
Run (%)	30
Pool (%)	20

AQUATIC VEGETATION	
Dominant Type	Attached Algae
Portion of reach with aquatic veg	80

WATER QUALITY	
Temperature °C	20.4
Specific Conductance µS/cm	615
Dissolved Oxygen mg/L	5.07
pH	7.49
Turbidity NTU	0
WQ Instrument Used	YSI and Turbidity meter
Water Odors	☑ Normal / None ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Fishy ☐ Other
Water Surface Oils	☐ Slick ☐ Sheen ☐ Globs ☐ Flecks ☑ None ☐ Other

Inorganic Substrate Components (should add up to 100%)

Substrate Type	Diameter	% Composition in sampling reach
Bedrock	**NA**	5.0
Boulder	**>256 mm** (10")	25.0
Cobble	**64 - 256 mm** (2.5" - 10")	25.0
Gravel	**2 - 64 mm** (0.1" - 2.5")	25.0
Sand	**0.06 - 2 mm** (gritty)	5.0
Silt	**0.004 - 0.06 mm**	10.0
Clay	**< 0.004 mm** (slick)	5.0

Parameters to be evaluated in sampling reach	
Habitat Parameter	**Condition Category**
Epifaunal Substrate / Available Cover	11
Embeddedness	9
Velocity / Depth Regime	5
Sediment Deposition	9
Channel Flow Status	4

Parameters to be evaluated broader than sampling reach	
Habitat Parameter	**Condition Category**
Channel Alteration	20
Frequency of Riffles (or Bends)	10
Bank Stability (LEFT BANK)	7
Bank Stability (RIGHT BANK)	7
Vegetative Protection (LEFT BANK)	7
Vegetative Protection (RIGHT BANK)	7
Riparian Vegetative Zone Width (LEFT BANK)	10
Riparian Vegetative Zone Width (RIGHT BANK)	9

Field Photography

Image 1

Caption for Image 1

Downstream location looking downstream

Image 2

Caption for Image 2

Downstream location looking upstream

Image 3

Caption for Image 3

Upstream location looking upstream

Image 4
Caption for Image 4
Upstream location looking downstream

Submit

Tablet Form Completed By:

Name	Ilana Ton
Initials	IT
Signature	
Date/Time	10/07/2025 14:54

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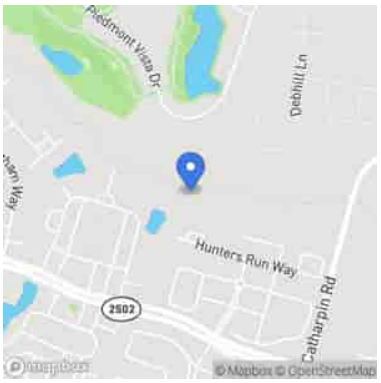
Biological Monitoring Form

Project Name	PWC Biomonitoring
Project Number	
Site Name	Little Bull Run
Site ID	PC 90
Site Address	
Date	10/07/25
Time	09:23
Technician(s) List name or names of all relevant technicians/samplers or other personnel	RS, IT

Stream Name	Little Bull Run
Location	Gainesville
River Basin	Potomac
Investigators	RS, IT
Reason for Survey	Monitoring
Weather Conditions	Clear / Sunny

GPS location



RIPARIAN VEGETATION (18 meter buffer)	
Dominant Type	Trees

INSTREAM FEATURES	
Est. Stream Width (ft)	20.0
Est. Stream Depth (ft)	0.4
Surface Velocity (ft/sec at thalweg)	0.003
Canopy Cover	Partly open
High Water Mark (ft)	1.0
Channelized	○ Yes ● No
Dam Present	○ Yes ● No
Proporation of Reach by Stream Morphology Types	
Riffle (%)	30
Run (%)	30
Pool (%)	40

AQUATIC VEGETATION	
Dominant Type	Attached Algae
Portion of reach with aquatic veg	90

WATER QUALITY	
Temperature °C	16.4
Specific Conductance µS/cm	576
Dissolved Oxygen mg/L	5.72
pH	7.25
Turbidity NTU	37.6
WQ Instrument Used	YSI & Turbidity meter
Water Odors	☑ Normal / None ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Fishy ☐ Other
Water Surface Oils	☐ Slick ☐ Sheen ☐ Globs ☐ Flecks ☑ None ☐ Other

Inorganic Substrate Components (should add up to 100%)

Substrate Type	Diameter	% Composition in sampling reach
Bedrock	**NA**	15.0
Boulder	**>256 mm** (10")	5.0
Cobble	**64 - 256 mm** (2.5" - 10")	30.0
Gravel	**2 - 64 mm** (0.1" - 2.5")	30.0
Sand	**0.06 - 2 mm** (gritty)	10.0
Silt	**0.004 - 0.06 mm**	5.0
Clay	**< 0.004 mm** (slick)	5.0

Parameters to be evaluated in sampling reach	
Habitat Parameter	**Condition Category**
Epifaunal Substrate / Available Cover	11
Embeddedness	14
Velocity / Depth Regime	3
Sediment Deposition	12
Channel Flow Status	4

Parameters to be evaluated broader than sampling reach	
Habitat Parameter	**Condition Category**
Channel Alteration	20
Frequency of Riffles (or Bends)	6
Bank Stability (LEFT BANK)	6
Bank Stability (RIGHT BANK)	5
Vegetative Protection (LEFT BANK)	5
Vegetative Protection (RIGHT BANK)	5
Riparian Vegetative Zone Width (LEFT BANK)	9
Riparian Vegetative Zone Width (RIGHT BANK)	9

Field Photography

Image 1

Caption for Image 1

Downstream location looking downstream

Image 2

Caption for Image 2

Downstream site looking upstream

Image 3

Caption for Image 3

Upstream site looking downstream

Submit

Tablet Form Completed By:

Name	Ilana Ton
Initials	IT
Signature	
Date/Time	10/07/2025 11:38

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Biological Monitoring Form

Project Name	PWC Biomonitoring
Project Number	
Site Name	Neabsco Creek
Site ID	PC 60
Site Address	
Date	10/09/25
Time	12:30
Technician(s) List name or names of all relevant technicians/samplers or other personnel	RS, IT

Stream Name	Neabsco Creek
Location	Woodbridge
River Basin	Potomac
Investigators	RS, IT
Reason for Survey	Monitoring
Weather Conditions	Clear / Sunny

GPS location

RIPARIAN VEGETATION (18 meter buffer)	
Dominant Type	Trees

INSTREAM FEATURES	
Est. Stream Width (ft)	20.0
Est. Stream Depth (ft)	0.6
Surface Velocity (ft/sec at thalweg)	0.27
Canopy Cover	Partly open
High Water Mark (ft)	1.3
Channelized	○ Yes ● No
Dam Present	○ Yes ● No
Proporation of Reach by Stream Morphology Types	
Riffle (%)	80
Run (%)	5
Pool (%)	15

AQUATIC VEGETATION	
Dominant Type	Attached Algae
Portion of reach with aquatic veg	80

WATER QUALITY	
Temperature °C	15.05
Specific Conductance µS/cm	158
Dissolved Oxygen mg/L	8.83
pH	7.37
Turbidity NTU	0.3
WQ Instrument Used	YSI and Turbidity meter
Water Odors	☑ Normal / None ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Fishy ☐ Other
Water Surface Oils	☐ Slick ☐ Sheen ☐ Globs ☐ Flecks ☑ None ☐ Other

Inorganic Substrate Components (should add up to 100%)

Substrate Type	Diameter	% Composition in sampling reach
Bedrock	**NA**	10.0
Boulder	**>256 mm** (10")	40.0
Cobble	**64 - 256 mm** (2.5" - 10")	10.0
Gravel	**2 - 64 mm** (0.1" - 2.5")	10.0
Sand	**0.06 - 2 mm** (gritty)	20.0
Silt	**0.004 - 0.06 mm**	5.0
Clay	**< 0.004 mm** (slick)	5.0

Parameters to be evaluated in sampling reach	
Habitat Parameter	**Condition Category**
Epifaunal Substrate / Available Cover	19
Embeddedness	15
Velocity / Depth Regime	15
Sediment Deposition	15
Channel Flow Status	10

Parameters to be evaluated broader than sampling reach	
Habitat Parameter	**Condition Category**
Channel Alteration	19
Frequency of Riffles (or Bends)	16
Bank Stability (LEFT BANK)	9
Bank Stability (RIGHT BANK)	8
Vegetative Protection (LEFT BANK)	8
Vegetative Protection (RIGHT BANK)	7
Riparian Vegetative Zone Width (LEFT BANK)	2
Riparian Vegetative Zone Width (RIGHT BANK)	2

Field Photography

Image 1

Caption for Image 1

Downstream location looking downstream

Image 2

Caption for Image 2

Upstream location looking upstream

Submit

Tablet Form Completed By:

Name	Rob Smith
Initials	RS
Signature	
Date/Time	10/08/2025 14:50

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Biological Monitoring Form

Project Name	PWC Biomonitoring
Project Number	
Site Name	Purcell Branch
Site ID	PC 10
Site Address	
Date	10/08/25
Time	12:08
Technician(s) List name or names of all relevant technicians/samplers or other personnel	RS, AA

Stream Name	Purcell Branch
Location	Manassas
River Basin	Potomac
Investigators	RS, AA
Reason for Survey	Monitoring
Weather Conditions	Cloudy

GPS location

RIPARIAN VEGETATION (18 meter buffer)	
Dominant Type	Trees

INSTREAM FEATURES	
Est. Stream Width (ft)	23.0
Est. Stream Depth (ft)	0.33
Surface Velocity (ft/sec at thalweg)	0.325
Canopy Cover	
High Water Mark (ft)	0.92
Channelized	○ Yes ● No
Dam Present	○ Yes ● No
Proporation of Reach by Stream Morphology Types	
Riffle (%)	60
Run (%)	10
Pool (%)	30

AQUATIC VEGETATION	
Dominant Type	Attached Algae
Portion of reach with aquatic veg	70

WATER QUALITY	
Temperature °C	18.9
Specific Conductance µS/cm	174
Dissolved Oxygen mg/L	7.11
pH	7.4
Turbidity NTU	0
WQ Instrument Used	YSI and Turbidity meter
Water Odors	☑ Normal / None ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Fishy ☐ Other
Water Surface Oils	☐ Slick ☐ Sheen ☐ Globs ☐ Flecks ☑ None ☐ Other

Inorganic Substrate Components (should add up to 100%)

Substrate Type	Diameter	% Composition in sampling reach
Bedrock	**NA**	20.0
Boulder	**>256 mm** (10")	10.0
Cobble	**64 - 256 mm** (2.5" - 10")	20.0
Gravel	**2 - 64 mm** (0.1" - 2.5")	20.0
Sand	**0.06 - 2 mm** (gritty)	25.0
Silt	**0.004 - 0.06 mm**	5.0
Clay	**< 0.004 mm** (slick)	0.0

Parameters to be evaluated in sampling reach	
Habitat Parameter	**Condition Category**
Epifaunal Substrate / Available Cover	18
Embeddedness	17
Velocity / Depth Regime	10
Sediment Deposition	15
Channel Flow Status	9

Parameters to be evaluated broader than sampling reach	
Habitat Parameter	**Condition Category**
Channel Alteration	19
Frequency of Riffles (or Bends)	13
Bank Stability (LEFT BANK)	6
Bank Stability (RIGHT BANK)	7
Vegetative Protection (LEFT BANK)	4
Vegetative Protection (RIGHT BANK)	5
Riparian Vegetative Zone Width (LEFT BANK)	10
Riparian Vegetative Zone Width (RIGHT BANK)	9

Submit

Tablet Form Completed By:

Name	Rob Smith
Initials	RS
Signature	
Date/Time	10/08/2025 14:02

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Spring 2026

wsp

8

Biological Monitoring Form

Project Name	PWC Bio Monitoring
Project Number	" "
Site Name	PC-10 Purcell Branch
Site ID	PC-10
Site Address	
Date	4/16
Time	10:00
Technician(s) List name or names of all relevant technicians/samplers or other personnel	Garrett Stewart, Rob Smith

Stream Name	Purcell Branch
Location	Manassas
River Basin	Potomac
Investigators	GES, RS
Reason for Survey	Monitoring
Weather Conditions	Sunny, Hazy

GPS location

RIPARIAN VEGETATION
(18 meter buffer)

Dominant Type	Trees / Shrubs / Grasses / Herbaceous

INSTREAM FEATURES

Est. Stream Width (ft)	~~21.5~~ 15 21.5
Est. Stream Depth (ft)	0.4
Surface Velocity (ft/sec at thalweg)	~~3.4~~ 1.17
Canopy Cover	Partly Open / Partly Shaded / Shaded / Open
High Water Mark (ft)	3.4
Channelized	Yes / No
Dam Present	Yes / No

Proporation of Reach by Stream Morphology Types

Riffle (%)	~~50~~ 60
Run (%)	~~30~~ 20
Pool (%)	20

AQUATIC VEGETATION

Dominant Type	Algae
Portion of reach with aquatic veg	40

WATER QUALITY

Temperature °C	19
Specific Conductance µS/cm	265.4
Dissolved Oxygen mg/L	9.79
pH	7.65
Turbidity NTU	~~1.8~~ 1.34
WQ Instrument Used	
Water Odors	☑ Normal / None ☐ Sewage ☐ Petroleum ☐ Chemical ☐ Fishy ☐ Other
Water Surface Oils	☐ Slick ☐ Sheen ☐ Globs ☐ Flecks ☑ None ☐ Other

Inorganic Substrate Components
(should add up to 100%)

Substrate Type	Diameter	% Composition in sampling reach
Bedrock	NA	20
Boulder	>256 mm (10")	~~20~~ 20
Cobble	64 - 256 mm (2.5" - 10")	20
Gravel	2 - 64 mm (0.1" - 2.5")	~~20~~ 15
Sand	0.06 - 2 mm (gritty)	20
Silt	0.004 - 0.06 mm	3
Clay	< 0.004 mm (slick)	2

Parameters to be evaluated in sampling reach	
Habitat Parameter	Condition Category
Epifaunal Substrate / Available Cover	19
Embeddedness	18
Velocity / Depth Regime	10
Sediment Deposition	15
Channel Flow Status	10

Parameters to be evaluated broader than sampling reach	
Habitat Parameter	Condition Category
Channel Alteration	16
Frequency of Riffles (or Bends)	12
Bank Stability (LEFT BANK)	7
Bank Stability (RIGHT BANK)	6
Vegetative Protection (LEFT BANK)	~~5~~ 4
Vegetative Protection (RIGHT BANK)	~~6~~ 5
Riparian Vegetative Zone Width (LEFT BANK)	10
Riparian Vegetative Zone Width (RIGHT BANK)	9

wsp

8

Biological Monitoring Form

Project Name	PVC Biomonitoring
Project Number	
Site Name	Cow Branch
Site ID	PC-20
Site Address	
Date	4/15
Time	10:06
Technician(s) List name or names of all relevant technicians/samplers or other personnel	Garrett Stewart, Rob Smith

Stream Name	Cow Branch
Location	Wood bridge
River Basin	Potomac
Investigators	GES, RWS
Reason for Survey	Spring Biannual Monitoring
Weather Conditions	Sunny

GPS location

RIPARIAN VEGETATION
(18 meter buffer)

Dominant Type	Trees / Shrubs / Grasses / Herbaceous

INSTREAM FEATURES

Est. Stream Width (ft)	17'
Est. Stream Depth (ft)	6"
Surface Velocity (ft/sec at thalweg)	1.07
Canopy Cover	Partly Open / Partly Shaded / Shaded / Open
High Water Mark (ft)	~~4.5'~~ 4'
Channelized	Yes / No
Dam Present	Yes / No

Proporation of Reach by Stream Morphology Types

Riffle (%)	~~20~~ ~~30~~ ~~40~~ ~~45~~ 50
Run (%)	~~30~~ 15
Pool (%)	50 ~~45~~ ~~40~~ 35

AQUATIC VEGETATION

Dominant Type	Algae
Portion of reach with aquatic veg	85

WATER QUALITY

Temperature °C	18
Specific Conductance µS/cm	629
Dissolved Oxygen mg/L	~~8~~ 9.04
pH	6.8
Turbidity NTU	1.47
WQ Instrument Used	GEOTECH Portable Turbidity METER
Water Odors	☑ Normal / None ☐ Sewage ☐ Petroleum ☐ Chemical ☑ Fishy ☐ Other
Water Surface Oils	☐ Slick ☐ Sheen ☐ Globs ☐ Flecks ☑ None ☐ Other

Inorganic Substrate Components
(should add up to 100%)

Substrate Type	Diameter	% Composition in sampling reach
Bedrock	**NA**	0
Boulder	**>256 mm** (10")	10
Cobble	**64 - 256 mm** (2.5" - 10")	50
Gravel	**2 - 64 mm** (0.1" - 2.5")	~~25~~ 30
Sand	**0.06 - 2 mm** (gritty)	~~10~~ 7
Silt	**0.004 - 0.06 mm**	3
Clay	**< 0.004 mm** (slick)	

Parameters to be evaluated in sampling reach	
Habitat Parameter	Condition Category
Epifaunal Substrate / Available Cover	11
Embeddedness	~~15~~ 15
Velocity / Depth Regime	10
Sediment Deposition	15
Channel Flow Status	11

Parameters to be evaluated broader than sampling reach	
Habitat Parameter	Condition Category
Channel Alteration	10
Frequency of Riffles (or Bends)	10
Bank Stability (LEFT BANK)	8
Bank Stability (RIGHT BANK)	7
Vegetative Protection (LEFT BANK)	~~8~~ 9
Vegetative Protection (RIGHT BANK)	9
Riparian Vegetative Zone Width (LEFT BANK)	9
Riparian Vegetative Zone Width (RIGHT BANK)	10

wsp

CO

Biological Monitoring Form

Project Name	~~Bi~~ Bio monitoring
Project Number	
Site Name	Dawkins Branch
Site ID	PC 30
Site Address	Manassas, VA
Date	4/14/24
Time	13:30
Technician(s) List name or names of all relevant technicians/samplers or other personnel	Anna A., Garrett S.

Stream Name	Dawkins Branch
Location	Manassas
River Basin	~~Bull Run~~ Potomac
Investigators	AEA GES
Reason for Survey	spring Biannual Monitoring
Weather Conditions	Sunny, 85

GPS location

RIPARIAN VEGETATION
(18 meter buffer)

Dominant Type	Trees / Shrubs / Grasses / Herbaceous

INSTREAM FEATURES

Est. Stream Width (ft)	23'
Est. Stream Depth (ft)	0.3'
Surface Velocity (ft/sec at thalweg)	1.17
Canopy Cover	Partly Open / Partly Shaded / Shaded / Open
High Water Mark (ft)	1.2'
Channelized	Yes / No
Dam Present	Yes / No BEAVER

Proporation of Reach by Stream Morphology Types

Riffle (%)	45
Run (%)	10
Pool (%)	45

AQUATIC VEGETATION

Dominant Type	Algae, Emergents
Portion of reach with aquatic veg	40%

WATER QUALITY

Temperature °C	21.7
Specific Conductance µS/cm	910
Dissolved Oxygen mg/L	7.49
pH	7.62
Turbidity NTU	41.8
WQ Instrument Used	YSI
Water Odors	[X] Normal / None [ ] Sewage [ ] Petroleum [ ] Chemical [ ] Fishy [ ] Other
Water Surface Oils	[ ] Slick [ ] Sheen [ ] Globs [ ] Flecks [X] None [ ] Other

Inorganic Substrate Components
(should add up to 100%)

Substrate Type	Diameter	% Composition in sampling reach
Bedrock	**NA**	5
Boulder	**>256 mm** (10")	15
Cobble	**64 - 256 mm** (2.5" - 10")	35
Gravel	**2 - 64 mm** (0.1" - 2.5")	30
Sand	**0.06 - 2 mm** (gritty)	5
Silt	**0.004 - 0.06 mm**	5
Clay	**< 0.004 mm** (slick)	5

Parameters to be evaluated in sampling reach	
Habitat Parameter	Condition Category
Epifaunal Substrate / Available Cover	19
Embeddedness	16
Velocity / Depth Regime	13
Sediment Deposition	18
Channel Flow Status	18

Parameters to be evaluated broader than sampling reach	
Habitat Parameter	Condition Category
Channel Alteration	18
Frequency of Riffles (or Bends)	10
Bank Stability (LEFT BANK)	10
Bank Stability (RIGHT BANK)	9
Vegetative Protection (LEFT BANK)	9
Vegetative Protection (RIGHT BANK)	9
Riparian Vegetative Zone Width (LEFT BANK)	10
Riparian Vegetative Zone Width (RIGHT BANK)	10

wsp

8

Biological Monitoring Form

Project Name	~~NEAB~~ PWC Biomonitoring
Project Number	
Site Name	NEABSCO CREEK
Site ID	PC-60
Site Address	
Date	4/15/26
Time	13:00
Technician(s) List name or names of all relevant technicians/samplers or other personnel	RWS / GES

Stream Name	NEABSCO
Location	Woodbridge
River Basin	Potomac
Investigators	RWS / GES
Reason for Survey	Monitoring
Weather Conditions	SUNNY 90°

GPS location

RIPARIAN VEGETATION
(18 meter buffer)

Dominant Type	Trees / Shrubs / Grasses / Herbaceous

INSTREAM FEATURES

Est. Stream Width (ft)	25'
Est. Stream Depth (ft)	0.8'
Surface Velocity (ft/sec at thalweg)	7s/10ft
Canopy Cover	Partly Open / Partly Shaded / Shaded / Open
High Water Mark (ft)	2.5'
Channelized	Yes / No
Dam Present	Yes / No

Proporation of Reach by Stream Morphology Types

Riffle (%)	70
Run (%)	20
Pool (%)	10

AQUATIC VEGETATION

Dominant Type	Algae
Portion of reach with aquatic veg	75 %

WATER QUALITY

Temperature °C	20.8 °C
Specific Conductance µS/cm	249.5
Dissolved Oxygen mg/L	8.73
pH	7.71
Turbidity NTU	1.96
WQ Instrument Used	GEOTECH PORTABLE TURBIDITY
Water Odors	☐ Normal / None ☐ Sewage ☐ Petroleum ☐ Chemical ☒ Fishy ☐ Other
Water Surface Oils	☐ Slick ☐ Sheen ☐ Globs ☐ Flecks ☒ None ☐ Other

Inorganic Substrate Components
(should add up to 100%)

Substrate Type	Diameter	% Composition in sampling reach
Bedrock	NA	40
Boulder	>256 mm (10")	20
Cobble	64 - 256 mm (2.5" - 10")	20
Gravel	2 - 64 mm (0.1" - 2.5")	10
Sand	0.06 - 2 mm (gritty)	8
Silt	0.004 - 0.06 mm	2
Clay	< 0.004 mm (slick)	0

Parameters to be evaluated in sampling reach	
Habitat Parameter	**Condition Category**
Epifaunal Substrate / Available Cover	18
Embeddedness	17
Velocity / Depth Regime	~~18~~ 17
Sediment Deposition	18
Channel Flow Status	16

Parameters to be evaluated broader than sampling reach	
Habitat Parameter	**Condition Category**
Channel Alteration	19
Frequency of Riffles (or Bends)	~~15~~ 14
Bank Stability (LEFT BANK)	~~8~~ 9
Bank Stability (RIGHT BANK)	8
Vegetative Protection (LEFT BANK)	6
Vegetative Protection (RIGHT BANK)	6
Riparian Vegetative Zone Width (LEFT BANK)	9
Riparian Vegetative Zone Width (RIGHT BANK)	10

wsp

Biological Monitoring Form

Project Name	PWC Biomonitoring
Project Number	
Site Name	Little Bull Run
Site ID	PC 90
Site Address	Gainesville VA
Date	4/14/26
Time	10:00
Technician(s) List name or names of all relevant technicians/samplers or other personnel	Anna A., Garrett S.

Stream Name	Little Bull Run
Location	Gainesville
River Basin	~~Bull Run~~ Potomac
Investigators	AEA, GES
Reason for Survey	Spring Biannual Monitoring
Weather Conditions	Sunny, 75°F

GPS location

RIPARIAN VEGETATION
(18 meter buffer)

Dominant Type	Trees / Shrubs / Grasses / Herbaceous

INSTREAM FEATURES

Est. Stream Width (ft)	23'
Est. Stream Depth (ft)	0.5'
Surface Velocity (ft/sec at thalweg)	1.1 ft/s
Canopy Cover	Partly Open / Partly Shaded / Shaded / Open
High Water Mark (ft)	~ 1.5'
Channelized	Yes / No
Dam Present	Yes / No

Proporation of Reach by Stream Morphology Types

Riffle (%)	25
Run (%)	50
Pool (%)	25

AQUATIC VEGETATION

Dominant Type	algae
Portion of reach with aquatic veg	20

WATER QUALITY

Temperature °C	16.7°C
Specific Conductance µS/cm	561.3
Dissolved Oxygen mg/L	7.96
pH	7.59
Turbidity NTU	2.8
WQ Instrument Used	YSI
Water Odors	[X] Normal / None [ ] Sewage [ ] Petroleum [ ] Chemical [ ] Fishy [ ] Other
Water Surface Oils	[ ] Slick [ ] Sheen [ ] Globs [ ] Flecks [X] None [ ] Other

Inorganic Substrate Components
(should add up to 100%)

Substrate Type	Diameter	% Composition in sampling reach
Bedrock	**NA**	10
Boulder	**>256 mm** (10")	5
Cobble	**64 - 256 mm** (2.5" - 10")	30
Gravel	**2 - 64 mm** (0.1" - 2.5")	35
Sand	**0.06 - 2 mm** (gritty)	8
Silt	**0.004 - 0.06 mm**	5
Clay	**< 0.004 mm** (slick)	2

Parameters to be evaluated in sampling reach	
Habitat Parameter	Condition Category
Epifaunal Substrate / Available Cover	17
Embeddedness	17
Velocity / Depth Regime	12
Sediment Deposition	16
Channel Flow Status	18

Parameters to be evaluated broader than sampling reach	
Habitat Parameter	Condition Category
Channel Alteration	16
Frequency of Riffles (or Bends)	6
Bank Stability (LEFT BANK)	7
Bank Stability (RIGHT BANK)	6
Vegetative Protection (LEFT BANK)	7
Vegetative Protection (RIGHT BANK)	6
Riparian Vegetative Zone Width (LEFT BANK)	9
Riparian Vegetative Zone Width (RIGHT BANK)	10

APPENDIX B

WATER QUALITY LABORATORY RESULTS

Occoquan Watershed Monitoring Laboratory

9408 Prince William St.
Manassas, VA 20110
Tel: (703) 361-5606

Virginia Laboratory ID: 460026

Att: Ms. Ilana Ton
WSP
13530 Dulles Technology Dr #300
Herndon, VA 20151

Analysis Report

Report #20230601

Description	Sample Date	Sample ID	Result	Unit	Reporting Limit	Method	Analysis Date
Ammonia as N	10/7/2025	25-3088 PC90	< 0.01	mg/L	0.01	SM4500-NH3 G	10/16/2025
E. coli	10/7/2025	25-3088 PC90	12,000	MPN/100mL	1.80	SM9221 B(LT)E(EC)C MPN	10/8/2025
Nitrate+nitrite as N	10/7/2025	25-3088 PC90	0.02	mg/L	0.01	SM4500-NO3-F	10/16/2025
Orthophosphate as P	10/7/2025	25-3088 PC90	< 0.01	mg/L	0.01	SM4500-P F	10/16/2025
Total Kjeldahl Nitrogen	10/7/2025	25-3088 PC90	0.51	mg/L	0.50	Lachat 10-107-06-2D	10/15/2025
Total Phosphorus	10/7/2025	25-3088 PC90	0.03	mg/L	0.01	SM4500-P F, 4500-P J	10/31/2025
Total Suspended Solids	10/7/2025	25-3088 PC90	14.9	mg/L	1.0	SM2540D	10/14/2025
Ammonia as N	10/7/2025	25-3094 PC30	0.03	mg/L	0.01	SM4500-NH3 G	10/27/2025
E. coli	10/7/2025	25-3094 PC30	410.6	MPN/100mL	1.80	SM9221 B(LT)E(EC)C MPN	10/8/2025
Nitrate+nitrite as N	10/7/2025	25-3094 PC30	0.14	mg/L	0.01	SM4500-NO3-F	10/22/2025
Orthophosphate as P	10/7/2025	25-3094 PC30	0.01	mg/L	0.01	SM4500-P F	10/27/2025
Total Kjeldahl Nitrogen	10/7/2025	25-3094 PC30	< 0.50	mg/L	0.50	Lachat 10-107-06-2D	10/15/2025
Total Phosphorus	10/7/2025	25-3094 PC30	0.06	mg/L	0.01	SM4500-P F, 4500-P J	10/31/2025
Total Suspended Solids	10/7/2025	25-3094 PC30	18.8	mg/L	1.0	SM2540D	10/14/2025
Ammonia as N	10/8/2025	25-3095 PC10	0.01	mg/L	0.01	SM4500-NH3 G	10/27/2025
E. coli	10/8/2025	25-3095 PC10	146.7	MPN/100mL	1.80	SM9221 B(LT)E(EC)C MPN	10/9/2025
Nitrate+nitrite as N	10/8/2025	25-3095 PC10	0.37	mg/L	0.01	SM4500-NO3-F	10/22/2025
Orthophosphate as P	10/8/2025	25-3095 PC10	< 0.01	mg/L	0.01	SM4500-P F	10/27/2025
Total Kjeldahl Nitrogen	10/8/2025	25-3095 PC10	< 0.50	mg/L	0.50	Lachat 10-107-06-2D	10/15/2025
Total Phosphorus	10/8/2025	25-3095 PC10	0.01	mg/L	0.01	SM4500-P F, 4500-P J	10/31/2025
Total Suspended Solids	10/8/2025	25-3095 PC10	1.3	mg/L	1.0	SM2540D	10/14/2025
Ammonia as N	10/9/2025	25-3096 PC20	0.01	mg/L	0.01	SM4500-NH3 G	10/27/2025
E. coli	10/9/2025	25-3096 PC20	85.7	MPN/100mL	1.80	SM9221 B(LT)E(EC)C MPN	10/10/2025
Nitrate+nitrite as N	10/9/2025	25-3096 PC20	0.56	mg/L	0.01	SM4500-NO3-F	10/22/2025
Orthophosphate as P	10/9/2025	25-3096 PC20	< 0.01	mg/L	0.01	SM4500-P F	10/27/2025
Total Kjeldahl Nitrogen	10/9/2025	25-3096 PC20	< 0.5	mg/L	0.50	Lachat 10-107-06-2D	10/15/2025
Total Phosphorus	10/9/2025	25-3096 PC20	< 0.01	mg/L	0.01	SM4500-P F, 4500-P J	10/31/2025
Total Suspended Solids	10/9/2025	25-3096 PC20	< 1.0	mg/L	1.0	SM2540D	10/16/2025
Ammonia as N	10/9/2025	25-3097 PC60	0.02	mg/L	0.01	SM4500-NH3 G	10/27/2025
E. coli	10/9/2025	25-3097 PC60	45.0	MPN/100mL	1.80	SM9221 B(LT)E(EC)C MPN	10/10/2025
Nitrate+nitrite as N	10/9/2025	25-3097 PC60	0.03	mg/L	0.01	SM4500-NO3-F	10/22/2025
Orthophosphate as P	10/9/2025	25-3097 PC60	0.01	mg/L	0.01	SM4500-P F	10/27/2025
Total Kjeldahl Nitrogen	10/9/2025	25-3097 PC60	< 0.50	mg/L	0.50	Lachat 10-107-06-2D	10/15/2025
Total Phosphorus	10/9/2025	25-3097 PC60	0.02	mg/L	0.01	SM4500-P F, 4500-P J	10/31/2025
Total Suspended Solids	10/9/2025	25-3097 PC60	5.1	mg/L	1.0	SM2540D	10/16/2025

Note: TKN samples were contracted to NELAC certified lab at Prince William County Service Authority

Prepared by:
Dongmei Alvi (Wang)
Laboratory Supervisor

Occoquan Watershed Monitoring Laboratory

9408 Prince William St.

Manassas, VA 20110

Tel: (703) 361-5606

Virginia Laboratory ID: 460026

Att: Ms. Ilana Ton

WSP

13530 Dulles Technology Dr #300
Herndon, VA 20151

Analysis Report

Report #20230601

Description	Blank	LCS, %R	Duplicate, RPD	Spike, %R	Matrix Spike, %R	Method	Analysis Date
Ammonia as N	0.007	107	n.a.	102	102	SM4500-NH3 G	10/27/2025
Accepted Range	-0.01~0.01	100±10		100±10	100±10		
E. coli	n.a.	n.a.	9.0	n.a.	n.a.	SM9221 B(LT)E(EC)C MPN	10/9/2025
Accepted Range							
Nitrate+nitrite as N	-0.009	101	n.a.	101	105	SM4500-NO3-F	10/22/2025
Accepted Range	-0.01~0.01	100±10		100±10	100±10		
Orthophosphate as P	0.004	92	n.a.	90	91	SM4500-P F	10/27/2025
Accepted Range	-0.01~0.01	100±10		100±10	100±10		
Total Kjeldahl Nitrogen	n.a.	n.a.	n.a.	n.a.	n.a.	Lachat 10-107-06-2D	10/15/2025
Accepted Range							
Total Phosphorus	0.005	108	6.1	97	n.a.	SM4500-P F, 4500-P J	10/31/2025
Accepted Range	-0.01~0.01	100±10	±10	100±10	100±10		
Total Suspended Solids	-0.10	99	5	n.a.	n.a.	SM2540D	10/16/2025
Accepted Range	-1.0~1.0		n.a.				

n.a.= not applicable

Note: TKN samples were contracted to NELAC certified lab at Prince William County Service Authority

Prepared by:

Dongmei Alvi (Wang)

Laboratory Supervisor

Occoquan Watershed Monitoring Laboratory

9408 Prince William St.
Manassas, VA 20110
Tel: (703) 361-5606

Virginia Laboratory ID: 460026

5-May-26

Att: Ms. Ilana Ton
WSP
13530 Dulles Technology Dr #300
Herndon, VA 20151

Analysis Report

Report #20230601

Description	Sample Date	Sample ID	Result	Unit	Reporting Limit	Method	Analysis Date
Ammonia as N	4/14/2026	PC30 26-0632	0.04	mg/L	0.01	SM4500-NH3 G	4/29/2026
E. coli	4/14/2026	PC30 26-0632	99	MPN/100mL	1.00	COLILERT QUANTI-TRAY MPN	4/15/2026
Nitrate+nitrite as N	4/14/2026	PC30 26-0632	0.04	mg/L	0.01	SM4500-NO3-F	4/29/2026
Orthophosphate as P	4/14/2026	PC30 26-0632	0.01	mg/L	0.01	SM4500-P F	4/29/2026
Total Kjeldahl Nitrogen	4/14/2026	PC30 26-0632	0.52	mg/L	0.50	EPA 136-C	4/21/2026
Total Phosphorus	4/14/2026	PC30 26-0632	0.03	mg/L	0.01	SM4500-P F, 4500-P J	5/5/2026
Total Suspended Solids	4/14/2026	PC30 26-0632	8.9	mg/L	1.0	SM2540D	4/20/2026
Ammonia as N	4/14/2026	PC90 26-0633	0.06	mg/L	0.01	SM4500-NH3 G	4/29/2026
E. coli	4/14/2026	PC90 26-0633	111.9	MPN/100mL	1.00	COLILERT QUANTI-TRAY MPN	4/15/2026
Nitrate+nitrite as N	4/14/2026	PC90 26-0633	0.54	mg/L	0.01	SM4500-NO3-F	4/29/2026
Orthophosphate as P	4/14/2026	PC90 26-0633	0.01	mg/L	0.01	SM4500-P F	4/29/2026
Total Kjeldahl Nitrogen	4/14/2026	PC90 26-0633	<0.50	mg/L	0.50	EPA 136-C	4/21/2026
Total Phosphorus	4/14/2026	PC90 26-0633	0.03	mg/L	0.01	SM4500-P F, 4500-P J	5/5/2026
Total Suspended Solids	4/14/2026	PC90 26-0633	2.5	mg/L	1.0	SM2540D	4/20/2026
Ammonia as N	4/15/2026	PC20 26-0635	<0.01	mg/L	0.01	SM4500-NH3 G	4/29/2026
E. coli	4/15/2026	PC20 26-0635	137.4	MPN/100mL	1.00	COLILERT QUANTI-TRAY MPN	4/16/2026
Nitrate+nitrite as N	4/15/2026	PC20 26-0635	0.30	mg/L	0.01	SM4500-NO3-F	4/29/2026
Orthophosphate as P	4/15/2026	PC20 26-0635	<0.01	mg/L	0.01	SM4500-P F	4/29/2026
Total Kjeldahl Nitrogen	4/15/2026	PC20 26-0635	<0.50	mg/L	0.50	EPA 136-C	4/21/2026
Total Phosphorus	4/15/2026	PC20 26-0635	<0.01	mg/L	0.01	SM4500-P F, 4500-P J	5/5/2026
Total Suspended Solids	4/15/2026	PC20 26-0635	<1.0	mg/L	1.0	SM2540D	4/24/2026
Ammonia as N	4/15/2026	PC60 26-0636	0.14	mg/L	0.01	SM4500-NH3 G	4/29/2026
E. coli	4/15/2026	PC60 26-0636	22.8	MPN/100mL	1.00	COLILERT QUANTI-TRAY MPN	4/16/2026
Nitrate+nitrite as N	4/15/2026	PC60 26-0636	0.20	mg/L	0.01	SM4500-NO3-F	4/29/2026
Orthophosphate as P	4/15/2026	PC60 26-0636	<0.01	mg/L	0.01	SM4500-P F	4/29/2026
Total Kjeldahl Nitrogen	4/15/2026	PC60 26-0636	0.50	mg/L	0.50	EPA 136-C	4/21/2026
Total Phosphorus	4/15/2026	PC60 26-0636	0.02	mg/L	0.01	SM4500-P F, 4500-P J	5/5/2026
Total Suspended Solids	4/15/2026	PC60 26-0636	2.6	mg/L	1.0	SM2540D	4/24/2026
Ammonia as N	4/16/2026	PC10 26-0637	<0.01	mg/L	0.01	SM4500-NH3 G	4/29/2026
E. coli	4/16/2026	PC10 26-0637	58.6	MPN/100mL	1.00	COLILERT QUANTI-TRAY MPN	4/17/2026
Nitrate+nitrite as N	4/16/2026	PC10 26-0637	0.10	mg/L	0.01	SM4500-NO3-F	4/29/2026
Orthophosphate as P	4/16/2026	PC10 26-0637	<0.01	mg/L	0.01	SM4500-P F	4/29/2026
Total Kjeldahl Nitrogen	4/16/2026	PC10 26-0637	<0.50	mg/L	0.50	EPA 136-C	4/21/2026
Total Phosphorus	4/16/2026	PC10 26-0637	<0.01	mg/L	0.01	SM4500-P F, 4500-P J	5/5/2026
Total Suspended Solids	4/16/2026	PC10 26-0637	<1.0	mg/L	1.0	SM2540D	4/24/2026

Note: TKN samples were contracted to NELAC certified lab at Prince William County Service Authority

Prepared by:
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Laboratory Supervisor

Occoquan Watershed Monitoring Laboratory

9408 Prince William St.
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Tel: (703) 361-5606

Virginia Laboratory ID: 460026

Att: Ms. Ilana Ton
WSP
13530 Dulles Technology Dr #300
Herndon, VA 20151

Analysis Report

Report #20230601

Description	Blank	LCS, %R	Duplicate, RPD	Spike, %R	Matrix Spike, %R	Method	Analysis Date
Ammonia as N	0.006	92		94	96	SM4500-NH3 G	4/29/2026
Accepted Range	-0.01~0.01	100±10		100±10	100±10		
E. coli	n.a.	n.a.	18.0	n.a.	n.a.	SM9221 B(LT)E(EC)C MPN	4/15/2026
Accepted Range							
Nitrate+nitrite as N	0.002	105		107	102	SM4500-NO3-F	4/29/2026
Accepted Range	-0.01~0.01	100±10		100±10	100±10		
Orthophosphate as P	0.005	92		94	96	SM4500-P F	4/29/2026
Accepted Range	-0.01~0.01	100±10		100±10	100±10		
Total Kjeldahl Nitrogen	n.a.	n.a.	n.a.	n.a.	n.a.	EPA 136-C	4/21/2026
Accepted Range							
Total Phosphorus	0.009	100	8	97	n.a.	SM4500-P F, 4500-P J	5/5/2026
Accepted Range	-0.01~0.01	100±10	±10	100±10	100±10		
Total Suspended Solids	-0.10	96	4	n.a.	n.a.	SM2540D	4/20/2026
Accepted Range	-1.0~1.0	100±10					

n.a.= not applicable

Note: TKN samples were contracted to NELAC certified lab at Prince William County Service Authority

Prepared by:
Dongmei Alvi (Wang)
Laboratory Supervisor

APPENDIX C

BENTHIC MACROINVERTEBRATE LABORATORY RESULTS

3701 NW 98th Street
Gainesville, FL 32606

wsp.com

[illegible] 16, 2026

M[illegible] M[illegible]

[illegible] P

1[illegible]2 [illegible] [illegible] P[illegible]P[illegible] 11[illegible]

C[illegible] 201[illegible]1

Re: Prince William County Multiple Habitat Sampling Method Report

[illegible] M[illegible]M[illegible]

[illegible] P [illegible] [illegible] [illegible]

Table 1: Summary of Results of Multiple Habitat Samples – Fall 2025

Metric	Site Locations				
	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
[illegible]	30	32	[illegible]	[illegible]0	3[illegible]
[illegible]d[illegible]	20[illegible]	1[illegible]1	196	191	213
[illegible]P[illegible] [illegible]d[illegible]	[illegible]	[illegible]	9	[illegible]	10
[illegible]P[illegible]P[illegible] [illegible] C[illegible] [illegible]d[illegible] [illegible]	0[illegible]2	0[illegible]6[illegible]	0[illegible]1	0[illegible]0	0[illegible]93
P[illegible]r[illegible] [illegible]	31[illegible]3[illegible]	[illegible]6	22[illegible]96	2[illegible]6[illegible]	29[illegible]11
P[illegible]r[illegible]C[illegible]r[illegible] [illegible]d[illegible]	23[illegible]0[illegible]	3[illegible]31	32[illegible]1[illegible]	16[illegible]	[illegible]69
[illegible] [illegible]d[illegible]	6[illegible]0	[illegible]06	6[illegible]1[illegible]	6[illegible]	[illegible]
[illegible]C[illegible]r[illegible]	[illegible]r[illegible] P[illegible]r	[illegible]r[illegible] P[illegible]r	[illegible]r	[illegible]r	[illegible]r
P[illegible]r[illegible]M[illegible]d[illegible] [illegible] [illegible]PM[illegible]	[illegible]39	3[illegible]9[illegible]	[illegible]2[illegible]	[illegible]0[illegible]9	[illegible]1[illegible]60
PM[illegible] C[illegible]r[illegible]	M[illegible]d[illegible]r[illegible] [illegible] [illegible]d	[illegible]r[illegible] [illegible] [illegible]d	[illegible] [illegible]d	[illegible] [illegible] [illegible]d	M[illegible]d[illegible]r[illegible] [illegible] [illegible]d
[illegible]C[illegible]	[illegible]3[illegible]2	[illegible]91	6[illegible]02	[illegible]6[illegible]0	6[illegible]20

[illegible]r[illegible] [illegible]P[illegible]2026 Cr[illegible]d [illegible] C[illegible]d [illegible]

C[illegible]

[illegible] r[illegible] [illegible] r[illegible] [illegible] r[illegible]d[illegible] [illegible]r[illegible] [illegible] P[illegible] d[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]r [illegible]d [illegible] r[illegible]r[illegible] [illegible] r[illegible] [illegible] [illegible] [illegible] [illegible]3[illegible]2[illegible]2[illegible]09[illegible]r [illegible] [illegible]

[illegible] [illegible] [illegible]rr[illegible] [illegible] [illegible]

[illegible]r[illegible]

[illegible]r [illegible]r[illegible]M[illegible]
[illegible]r [illegible]
[illegible]1 [illegible]2[illegible]96[illegible]0
[illegible]r[illegible]d[illegible]r[illegible] [illegible]

[illegible] M[illegible]M[illegible]rr[illegible] [illegible]P[illegible] [illegible]
[illegible]r [illegible]
[illegible]1 3[illegible]2[illegible]2[illegible]09[illegible]
[illegible] [illegible] [illegible]rr[illegible] [illegible]

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1 [illegible] [illegible]d [illegible] [illegible]r [illegible]202[illegible]
2 [illegible]r[illegible]

ATTACHMENT 1

TABULATED DATA

M□□□□□□ □□□□□□□□□□ □□□□

□□□ □□□ C□□□□□□d□ □□□□□□r 202□

Pr□□□□□□□ □□00□0□3□□2303

Metrics	Site Locations				
	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
Taxa Richness	30	32	□□	□0	3□
Abundance	20□	1□1	196	191	213
EPT Index	□	□	9	□	10
EPT/EPT + Chironomidae Ratio	0□□2	0□6□	0□□1	0□□0	0□93
Percent Dominant Taxon	31□3□	□□□□6	22□96	2□□6□	29□11
Percent Chironomidae	23□0□	3□31	32□1□	16□□□	□□69
Biotic Index (BI)	6□□0	□□06	6□1□	6□□□	□□□□
Biotic Index (BI) Category	□□□□□ P□□r	□□□□□ P□□r	□□□□	□□□□	□□□□
Percent Model Affinity (PMA)	□□□39	3□□9□	□□□2□	□0□□9	□1□60
Percent Model Affinity (PMA) Category	M□d□r□□□□□ □□ □□□□□d	□□□□□r□□□ □□ □□□□□d	□□□□□□ □□□□□d	□□□□□□□□ □□ □□□□□d	M□d□r□□□□□ □□ □□□□□d
VSCI	□3□□2	□□□91	6□□02	□6□□0	6□□20

Cr□□□□d □□□ □□□

C□□□□□d □□□ □□□

□□□r□□□ □ □P□2026

[illegible]
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[illegible] [illegible] [illegible] 9[illegible] [illegible]202[illegible]
Pr[illegible] [illegible]00[illegible]0[illegible]3[illegible]2303

Results for Cow Branch

Phylum	Subphylum	Class	Subclass	Order	Family	Taxa	Raw Abundance	Ephemeroptera	Plecoptera	Trichoptera	Chironomidae	Dominant Taxon	Tolerance Values	Tolerance Values * Individual Abundance/Total Abundance	Coleoptera	Oligochaeta	Other	Plecoptera & Trichoptera (less Hydropsychidae)	Scrapers	Top 2 Dominant Taxa
[illegible]		[illegible]	[illegible]			[illegible]	[illegible]	0	0	0	0		[illegible]	0.20	0	[illegible]	0	0	0	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	0	0	0	0		9.[illegible]	0.09	0	2	0	0	0	
[illegible]		[illegible]				[illegible]	1	0	0	0	0		[illegible]	0.03	0	0	1	0	0	
[illegible]		[illegible]	[illegible]		Physidae	*Physa* [illegible]	[illegible]	0	0	0	0		[illegible]	0.1[illegible]	0	0	[illegible]	0	[illegible]	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0		6.6	0.23	0	0	[illegible]	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	Ca[illegible]	*Argia* [illegible]	3	0	0	0	0		[illegible]	0.12	0	0	3	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]		[illegible]	1	0	0	1	0			0.00	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	[illegible]	[illegible]	13	0	0	13	0		[illegible]	0.26	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	[illegible]	*Cheumatopsyche* [illegible]	6[illegible]	0	0	6[illegible]	0	6[illegible]	6.6	2.0[illegible]	0	0	0	0	0	6[illegible]
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	[illegible]	*Hydropsyche betteni/depravata/potomacensis*	[illegible]2	0	0	[illegible]2	0		[illegible]9	1.63	0	0	0	0	0	[illegible]2
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	[illegible]	*Hydroptila* [illegible]	3	0	0	3	0		6.[illegible]	0.10	0	0	0	3	3	
[illegible]	[illegible]	[illegible]	Pe[illegible]	C[illegible]	C[illegible]	C[illegible] [illegible]	1	0	0	0	0		[illegible]	0.02	1	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]		[illegible] [illegible]	1	0	0	0	0		[illegible]	0.03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]		[illegible] [illegible]	1	0	0	0	0		[illegible]9	0.02	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	C[illegible] [illegible]	2	0	0	0	2		6.2	0.06	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	*Ablabesmyia mallochi*	2	0	0	0	2		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	*Labrundinia* [illegible]	1	0	0	0	1		6.2	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	*Thienemannimyia* [illegible]	1	0	0	0	1		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	*Polypedilum flavum*	3	0	0	0	3		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	*Polypedilum illinoense* [illegible]	2	0	0	0	2		[illegible]	0.09	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	*Rheotanytarsus* [illegible]	6	0	0	0	6		6.[illegible]	0.19	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	*Polypedilum beckae*	1	0	0	0	1		[illegible]9	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	*Orthocladius* [illegible]	[illegible]	0	0	0	[illegible]		[illegible]	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	*Thienemanniella xena*	1	0	0	0	1		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	C[illegible] [illegible]	*Rheocricotopus robacki*	23	0	0	0	23		[illegible]9	0.90	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	[illegible] [illegible]	*Simulium* [illegible]	2	0	0	0	0		[illegible]9	0.0[illegible]	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	[illegible] [illegible]	*Hemerodromia* [illegible]	1	0	0	0	0		[illegible]	0.0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	[illegible] [illegible]	*Antocha* [illegible]	1	0	0	0	0		[illegible]	0.02	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	[illegible]	[illegible]	*Rhagovelia* [illegible]	1	0	0	0	0		6	0.03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	Pe[illegible]	M[illegible]	C[illegible]	*Corydalus cornutus*	1	0	0	0	0		[illegible]2	0.03	0	0	1	0	0	

Percent Model Affinity		Difference from Model %
M[illegible] [illegible] [illegible]	[illegible]0	[illegible]0.00
M[illegible] P[illegible]	[illegible]	[illegible]00
M[illegible] [illegible]	10	[illegible]0.29
M[illegible] C[illegible] [illegible]	20	3.02
M[illegible] C[illegible]	10	9.[illegible]1
M[illegible] [illegible]	[illegible]	0.10
M[illegible] [illegible]	10	1.[illegible]2
Sum of Difference		109.22
Sum of Difference * 0.5		[illegible]1
Percent Model Affinity		[illegible]9
Percent Model Affinity Category		M[illegible] [illegible] [illegible]

Metric	Value	VSCI metrics	Adjusted VSCI metrics
Species Richness	30	136.36	100.00
Total Abundance	20[illegible]		
% Ephemeroptera	0.00	0.00	0.00
% Plecoptera	0.00		
% Trichoptera	60.29		
% Chironomidae	23.0[illegible]	[illegible]6.96	[illegible]6.96
% Dominant Taxon	31.[illegible]		
Biotic Index	6.[illegible]0	[illegible].11	[illegible].11
% Coleoptera	0.[illegible]9		
% Oligochaeta	[illegible]90		
% Other	11.2[illegible]		
% Plecoptera + Trichoptera (less Hydropsychidae)	1.[illegible]	[illegible].13	[illegible].13
% Scrapers	3.[illegible]3	6.[illegible]	6.[illegible]2
% Top 2 Dominant Taxa	[illegible]1.96	69.[illegible]2	69.[illegible]2
EPT Index	[illegible]	[illegible]	[illegible]
EPT/EPT + Chironomidae Ratio	0.[illegible]2		

Hilsenhoff Biotic Index Category	[illegible] P[illegible]r
Final VSCI score	[illegible]3.[illegible]2

[illegible]d [illegible] [illegible]
[illegible]d [illegible] [illegible]
[illegible] [illegible] [illegible]2026

[illegible]
[illegible]
[illegible] [illegible] [illegible] [illegible] [illegible]202[illegible]
[illegible] [illegible]00[illegible]0[illegible]3[illegible]2303

Results for Dawkins Branch

Phylum	Subphylum	Class	Subclass	Order	Family	Taxa	Raw Abundance	Ephemeroptera	Plecoptera	Trichoptera	Chironomidae	Dominant Taxon	Tolerance Values	Tolerance Values * Individual Abundance/Total Abundance	Coleoptera	Oligochaeta	Other	Plecoptera & Trichoptera (less Hydropsychidae)	Scrapers	Top 2 Dominant Taxa
[illegible]						[illegible]	1	0	0	0	0			0.00	0	0	1	0	0	
[illegible]		[illegible]		[illegible]	*Prostoma* [illegible]	1	0	0	0	0		6.1	0.03	0	0	1	0	0	
[illegible]		[illegible]	[illegible]		[illegible]	1	0	0	0	0		[illegible]	0.03	0	1	0	0	0	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	13	0	0	0	0		9.7	0.39	0	13	0	0	0	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Aulodrilus pluriseta*	1	0	0	0	0		[illegible]6	0.03	0	1	0	0	0	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Helobdella elongata*	3	0	0	0	0		9.1	0.10	0	0	3	0	0	
[illegible]		[illegible]	[illegible]		[illegible]	*Physa* [illegible]	1	0	0	0	0		[illegible]	0.03	0	0	1	0	1	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		6.3	0.03	0	0	1	0	1	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Menetus dilatatus*	1	0	0	0	0		[illegible]6	0.03	0	0	1	0	1	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Ferrissia* [illegible]	6	0	0	0	0		6.6	0.22	0	0	6	0	6	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Corbicula* [illegible]	[illegible]	0	0	0	0		6.12	0.20	0	0	[illegible]	0	0	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		6.6	0.03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	0	0	0	0		[illegible]	0.07	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		*Gammarus* [illegible]	[illegible]3	0	0	0	0	[illegible]3	[illegible]1	3.29	0	0	[illegible]3	0	0	[illegible]3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	0	0	0	0		[illegible]	0.13	0	0	3	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	0	0	0		[illegible]	0.00	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Caenis punctata*	[illegible]	[illegible]	0	0	0		6.7	0.30	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	0	0	0		6.1	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	0	0	0	0		6.1	0.10	0	0	3	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Argia* [illegible]	12	0	0	0	0		[illegible]3	0.36	0	0	12	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Mystacides sepulchralis*	1	0	0	1	0		2.6	0.01	0	0	0	1	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Stenelmis* [illegible]	16	0	0	0	0		[illegible]6	0.70	16	0	0	0	16	16
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Macronychus glabratus*	1	0	0	0	0		[illegible]	0.03	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Ectopria* [illegible]	1	0	0	0	0		[illegible]3	0.02	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Psephenus herricki*	1	0	0	0	0		2.3	0.01	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	0	0	0	2		6.2	0.09	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Cladotanytarsus* [illegible]	2	0	0	0	2		[illegible]	0.09	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Tanytarsus buckleyi*	1	0	0	0	1		6.1	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Polypedilum illinoense* [illegible]	1	0	0	0	1		[illegible]	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		[illegible]9	0.03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	0	0	0	0		10	0.11	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Neumania* [illegible]	1	0	0	0	0			0.00	0	0	1	0	0	

Percent Model Affinity		Difference from Model %
[illegible]	[illegible]0	33.92
[illegible]	[illegible]	[illegible]00
[illegible]	10	9.[illegible]
[illegible]	20	16.69
[illegible]	10	0.[illegible]0
[illegible]	[illegible]	3.29
[illegible]	10	61.[illegible]
	Sum of Difference	130.11
	Sum of Difference * 0.5	6[illegible].06
	Percent Model Affinity	3[illegible].9[illegible]
	Percent Model Affinity Category	[illegible]

Metric	Value	VSCI metrics	Adjusted VSCI metrics
Species Richness	32	1[illegible]	100.00
Total Abundance	1[illegible]1		
% Ephemeroptera	6.0[illegible]	9.91	9.91
% Plecoptera	0.00		
% Trichoptera	0.[illegible]		
% Chironomidae	3.31	96.69	96.69
% Dominant Taxon	[illegible]6		
Biotic Index	[illegible].06	[illegible].31	[illegible].31
% Coleoptera	10.[illegible]0		
% Oligochaeta	[illegible]29		
% Other	[illegible]1.2[illegible]		
% Plecoptera + Trichoptera (less Hydropsychidae)	0.[illegible]	1.[illegible]	1.[illegible]
% Scrapers	1.[illegible]	29.9[illegible]	29.9[illegible]
% Top 2 Dominant Taxa	[illegible]0	6.[illegible]	6.[illegible]
EPT Index	[illegible]	36.36	36.36
EPT/EPT + Chironomidae Ratio	0.6[illegible]		

Hilsenhoff Biotic Index Category	[illegible]

Final VSCI score	[illegible]91

[illegible]d [illegible] [illegible]
[illegible]d [illegible] [illegible]
[illegible] [illegible] [illegible]2026

[illegible]
M[illegible]
[illegible] C[illegible] [illegible] 202[illegible]
Pr[illegible] [illegible]00[illegible]3[illegible]2303

Results for Little Bull Run

Phylum	Subphylum	Class	Subclass	Order	Family	Taxa	Raw Abundance	Ephemeroptera	Plecoptera	Trichoptera	Chironomidae	Dominant Taxon	Tolerance Values	Tolerance Values * Individual Abundance/Total Abundance	Coleoptera	Oligochaeta	Other	Plecoptera & Trichoptera (less Hydropsychidae)	Scrapers	Top 2 Dominant Taxa
[illegible]		C[illegible]	[illegible]			[illegible]	2	0	0	0	0		[illegible]	0.00	0	2	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0		9.[illegible]	0.2[illegible]	0	[illegible]	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Aulodrilus pluriseta*	1	0	0	0	0		[illegible].6	0.03	0	1	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Erpobdella* [illegible]	1	0	0	0	0		[illegible].6	0.00	0	0	1	0	0	
M[illegible]		[illegible]	[illegible]		[illegible]	*Menetus dilatatus*	9	0	0	0	0		[illegible].6	0.3[illegible]	0	0	9	0	9	
M[illegible]		[illegible]	[illegible]		[illegible]	*Ferrissia* [illegible]	13	0	0	0	0		6.6	0.[illegible]	0	0	13	0	13	13
M[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Corbicula* [illegible]	2	0	0	0	0		6.12	0.06	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	0	0	0		[illegible]	0.00	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Caenis* [illegible]	2	2	0	0	0		6.[illegible]	0.00	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Caenis punctata*	[illegible]	[illegible]	0	0	0	[illegible]	6.[illegible]	1.[illegible]	0	0	0	0	0	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	2	0	0	0		6.1	0.06	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Procloeon* [illegible]	3	3	0	0	0		1.9	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Stenacron* [illegible]	1	1	0	0	0		3.[illegible]	0.02	0	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Argia* [illegible]	[illegible]	0	0	0	0		[illegible].3	0.21	0	0	[illegible]	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Mystacides sepulchralis*	9	0	0	9	0		2.6	0.12	0	0	0	9	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Hydroptila* [illegible]	1	0	0	1	0		6.[illegible]	0.03	0	0	0	1	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Chimarra* [illegible]	1	0	0	1	0		3.3	0.02	0	0	0	1	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Dubiraphia* [illegible]	9	0	0	0	0		[illegible].[illegible]	0.2[illegible]	9	0	0	0	9	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Stenelmis* [illegible]	9	0	0	0	0		[illegible].6	0.26	9	0	0	0	9	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Ancyronyx variegatus*	1	0	0	0	0		6.[illegible]	0.03	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Optioservus* [illegible]	1	0	0	0	0		2.1	0.01	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Berosus* [illegible]	2	0	0	0	0		[illegible].[illegible]	0.09	2	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Ectopria* [illegible]	1	0	0	0	0		[illegible].3	0.02	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Psephenus herricki*	1	0	0	0	0		2.3	0.01	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1	0	0	0	0		[illegible]	0.00	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1	0	0	0	0		[illegible].9	0.03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	[illegible]		6.2	0.22	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Ablabesmyia mallochi*	1	0	0	0	1		[illegible].[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Labrundinia* [illegible]	3	0	0	0	3		6.2	0.10	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Chironomus* [illegible]	2	0	0	0	2		9.3	0.10	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Cladotanytarsus* [illegible]	[illegible]	0	0	0	[illegible]		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Tanytarsus* [illegible]	2	0	0	0	2		6.6	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Tanytarsus buckleyi*	[illegible]	0	0	0	[illegible]		6.1	0.22	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Tanytarsus* [illegible]	2	0	0	0	2		6.[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Tanytarsus* [illegible]M	2	0	0	0	2		3.2	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Tanytarsus* [illegible]	[illegible]	0	0	0	[illegible]		[illegible].[illegible]	0.12	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Rheotanytarsus* [illegible]	3	0	0	0	3		6.[illegible]	0.10	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Tribelos fuscicorne*	1	0	0	0	1		[illegible].1	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Dicrotendipes* [illegible]	11	0	0	0	11		[illegible].2	0.[illegible]1	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Pseudochironomus* [illegible]	[illegible]	0	0	0	[illegible]		[illegible].9	0.20	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Paratanytarsus longistylus*	2	0	0	0	2		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Orthocladius* [illegible]	2	0	0	0	2		[illegible].[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Cricotopus* [illegible]r *Orthocladius*	1	0	0	0	1		[illegible].6	0.02	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Hemerodromia* [illegible]	1	0	0	0	0		[illegible]	0.0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	C[illegible]	[illegible]	[illegible]		[illegible]	1	0	0	0	0		10	0.0[illegible]	0	0	1	0	0	
[illegible]	C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Neumania* [illegible]	1	0	0	0	0			0.00	0	0	1	0	0	
[illegible]						[illegible]	1	0	0	0	0		[illegible]	0.03	0	0	1	0	0	

Percent Model Affinity		Difference from Model %
M[illegible]	[illegible]0	12.[illegible]
M[illegible]	[illegible]	[illegible]00
M[illegible]	10	[illegible]39
M[illegible]	20	12.1[illegible]
M[illegible]	10	2.2[illegible]
M[illegible]	[illegible]	0.92
M[illegible]	10	[illegible]
	Sum of Difference	[illegible]1
	Sum of Difference * 0.5	22.6
	Percent Model Affinity	[illegible]
	Percent Model Affinity Category	[illegible]d

Metric	Value	VSCI metrics	Adjusted VSCI metrics
Species Richness	[illegible]	213.6[illegible]	100.00
Total Abundance	196		
% Ephemeroptera	2.[illegible]	[illegible].9[illegible]	[illegible].9[illegible]
% Plecoptera	0.00		
% Trichoptera	[illegible].61		
% Chironomidae	32.1[illegible]	6.[illegible]6	6.[illegible]6
% Dominant Taxon	22.96		
Biotic Index	6.1[illegible]	[illegible].629	[illegible].629
% Coleoptera	12.2[illegible]		
% Oligochaeta	[illegible].0[illegible]		
% Other	1.2[illegible]		
% Plecoptera + Trichoptera (less Hydropsychidae)	[illegible].61	1.[illegible]6	1.[illegible]6
% Scrapers	23.[illegible]	[illegible]	[illegible]
% Top 2 Dominant Taxa	29.[illegible]9	101.[illegible]2	100.00
EPT Index	9	[illegible].[illegible]2	[illegible].[illegible]2
EPT/EPT + Chironomidae Ratio	0.[illegible]1		

Hilsenhoff Biotic Index Category	[illegible]

Final VSCI score	6.[illegible]2

C[illegible]d [illegible] [illegible]
C[illegible]d [illegible] [illegible]
[illegible] [illegible] 2026

[illegible] Cr[illegible]
M[illegible] [illegible]
[illegible] Cr[illegible] 9[illegible]202[illegible]
Pr[illegible] [illegible]2303

Results for Neabsco Creek

Phylum	Subphylum	Class	Subclass	Order	Family	Taxa	Raw Abundance	Ephemeroptera	Plecoptera	Trichoptera	Chironomidae	Dominant Taxon	Tolerance Values	Tolerance Values * Individual Abundance/Total Abundance	Coleoptera	Oligochaeta	Other	Plecoptera & Trichoptera (less Hydropsychidae)	Scrapers	Top 2 Dominant Taxa
P[illegible]						P[illegible]	1	0	0	0	0			0.00	0	0	1	0	0	
[illegible]		[illegible]		M[illegible]	Pr[illegible]	*Prostoma* [illegible]	2	0	0	0	0		6.[illegible]	0.00	0	0	2	0	0	
[illegible]		C[illegible]	[illegible]			[illegible]	3	0	0	0	0		[illegible]	0.00	0	3	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		9.[illegible]	0.00	0	1	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0		9.[illegible]	0.26	0	[illegible]	0	0	0	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	*Physa* [illegible]	9	0	0	0	0		[illegible]	0.[illegible]3	0	0	9	0	9	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	P[illegible] [illegible]	1	0	0	0	0		6.3	0.03	0	0	1	0	1	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	*Menetus dilatatus*	6	0	0	0	0		[illegible]6	0.2[illegible]	0	0	6	0	6	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	*Ferrissia* [illegible]	9	0	0	0	0		6.6	0.32	0	0	9	0	9	
M[illegible]		[illegible]	[illegible]	[illegible]	C[illegible]	*Corbicula* [illegible]	1	0	0	0	0		6.12	0.03	0	0	1	0	0	
M[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible] [illegible]	1	0	0	0	0		6.6	0.0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Baetis flavistriga*	3	3	0	0	0		6.[illegible]	0.11	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Calopteryx* [illegible]	3	0	0	0	0		[illegible]	0.12	0	0	3	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible] [illegible]	1	0	0	1	0		[illegible]	0.02	0	0	0	1	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible] [illegible]	[illegible]	0	0	[illegible]	0		[illegible]	0.11	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Cheumatopsyche* [illegible]	[illegible]9	0	0	[illegible]9	0	[illegible]9	6.6	1.[illegible]3	0	0	0	0	0	[illegible]9
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hydropsyche* [illegible]	3	0	0	3	0		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hydropsyche betteni/depravata/potomacensis*	[illegible]	0	0	[illegible]	0		[illegible]9	0.21	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	P[illegible]	*Chimarra* [illegible]	[illegible]	0	0	[illegible]	0		3.3	0.1[illegible]	0	0	0	[illegible]	0	
[illegible]	[illegible]	[illegible]	P[illegible]	C[illegible]	[illegible]	*Stenelmis* [illegible]	1	0	0	0	0		[illegible]6	0.03	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	P[illegible]	C[illegible]	[illegible]	*Ancyronyx variegatus*	1[illegible]	0	0	0	0		6.[illegible]	0.[illegible]1	1[illegible]	0	0	0	1[illegible]	1[illegible]
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	C[illegible] [illegible]	2	0	0	0	2		6.2	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Ablabesmyia mallochi*	2	0	0	0	2		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Labrundinia* [illegible]	6	0	0	0	6		6.2	0.20	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Polypedilum flavum*	1	0	0	0	1		[illegible]	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Polypedilum illinoense* [illegible]	3	0	0	0	3		[illegible]	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Rheotanytarsus* [illegible]	[illegible]	0	0	0	[illegible]		6.[illegible]	0.2[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Polypedilum beckae*	3	0	0	0	3		[illegible]69	0.09	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Stenochironomus* [illegible]	2	0	0	0	2		6.3	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Paratanytarsus longistylus*	1	0	0	0	1		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Parametriocnemus* [illegible]	1	0	0	0	1		3.9	0.02	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Rheocricotopus robacki*	2	0	0	0	2		[illegible]9	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Cricotopus* [illegible] *Orthocladius*	1	0	0	0	1		[illegible]6	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Simulium* [illegible]	[illegible]	0	0	0	0		[illegible]9	0.10	0	0	[illegible]	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible] [illegible]	1	0	0	0	0		[illegible]9	0.03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Antocha* [illegible]	9	0	0	0	0		[illegible]	0.21	0	0	9	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Rhagovelia* [illegible]	[illegible]	0	0	0	0		6	0.13	0	0	[illegible]	0	0	
[illegible]	C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Lebertia* [illegible]	[illegible]	0	0	0	0		[illegible]	0.21	0	0	[illegible]	0	0	
[illegible]	C[illegible]	[illegible]	[illegible]	[illegible]		[illegible] [illegible]	3	0	0	0	0			0.00	0	0	3	0	0	
[illegible]						[illegible] [illegible]	2	0	0	0	0		[illegible]	0.0[illegible]	0	0	2	0	0	

Percent Model Affinity		Difference from Model %
M[illegible]	[illegible]0	3.[illegible]3
M[illegible]	[illegible]	[illegible]00
M[illegible]	10	2.[illegible]
M[illegible]	20	3.[illegible]
M[illegible]	10	2.1[illegible]
M[illegible]	[illegible]	0.29
M[illegible]	10	21.9[illegible]
	Sum of Difference	9.[illegible]2
	Sum of Difference * 0.5	[illegible]9.11
	Percent Model Affinity	[illegible]0.[illegible]9
	Percent Model Affinity Category	[illegible] [illegible]d

Metric	Value	VSCI metrics	Adjusted VSCI metrics
Species Richness	[illegible]0	1.1.[illegible]2	100.00
Total Abundance	191		
% Ephemeroptera	1.[illegible]	2.[illegible]6	2.[illegible]6
% Plecoptera	0.00		
% Trichoptera	3.1[illegible]		
% Chironomidae	16.[illegible]	[illegible].3.[illegible]	[illegible].3.[illegible]
% Dominant Taxon	2.[illegible]6		
Biotic Index	6.[illegible]	[illegible].1.90	[illegible].1.90
% Coleoptera	[illegible]		
% Oligochaeta	[illegible]		
% Other	31.9[illegible]		
% Plecoptera + Trichoptera (less Hydropsychidae)	[illegible]	13.[illegible]	13.[illegible]
% Scrapers	20.9[illegible]	[illegible].[illegible]9	[illegible].[illegible]9
% Top 2 Dominant Taxa	32.9[illegible]	96.[illegible]	96.[illegible]
EPT Index	[illegible]	63.6[illegible]	63.6[illegible]
EPT/EPT + Chironomidae Ratio	0.[illegible]0		

Hilsenhoff Biotic Index Category	[illegible]

Final VSCI score	[illegible]6.[illegible]0

Cr[illegible]d [illegible] [illegible]
C[illegible]d [illegible] [illegible]
[illegible] [illegible] P[illegible]2026

Pr[illegible]
M[illegible]
[illegible] Cr[illegible]d [illegible]
Pr[illegible] [illegible]2303

Results for Purcell Branch

Phylum	Subphylum	Class	Subclass	Order	Family	Taxa	Raw Abundance	Ephemeroptera	Plecoptera	Trichoptera	Chironomidae	Dominant Taxon	Tolerance Values	Tolerance Values * Individual Abundance/Total Abundance	Coleoptera	Oligochaeta	Other	Plecoptera & Trichoptera (less Hydropsychidae)	Scrapers	Top 2 Dominant Taxa
[illegible]		[illegible]		M[illegible]	Pr[illegible]	*Prostoma* [illegible]	2	0	0	0	0		6[illegible]	0[illegible]06	0	0	2	0	0	
[illegible]		C[illegible]	[illegible]			[illegible]	2	0	0	0	0		[illegible]	0[illegible]	0	2	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		9[illegible]	0[illegible]	0	1	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Spirosperma carolinensis*	3	0	0	0	0		[illegible]	0[illegible]	0	3	0	0	0	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	*Physa* [illegible]	3	0	0	0	0		[illegible]	0[illegible]13	0	0	3	0	3	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	*Helisoma* [illegible]	2	0	0	0	0		6	0[illegible]06	0	0	2	0	2	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	*Menetus dilatatus*	1	0	0	0	0		[illegible]6	0[illegible]	0	0	1	0	1	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	*Ferrissia* [illegible]	21	0	0	0	0		6[illegible]5	0[illegible]5[illegible]	0	0	21	0	21	
M[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Lymnaea* [illegible]	1	0	0	0	0		6[illegible]9	0[illegible]03	0	0	1	0	1	
M[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		6[illegible]6	0[illegible]03	0	0	1	0	0	
[illegible]	Cr[illegible]	M[illegible]	[illegible]	[illegible]	[illegible]	*Gammarus* [illegible]	1	0	0	0	0		[illegible]1	0[illegible]03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible]	1	1	0	0	0		6[illegible]1	0[illegible]03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible]	2[illegible]	2[illegible]	0	0	0		[illegible]	0[illegible]1	0	0	0	0	2[illegible]	2[illegible]
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		[illegible]	0[illegible]02	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Argia* [illegible]	1	0	0	0	0		[illegible]3	0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Calopteryx* [illegible]	2	0	0	0	0		[illegible]	0[illegible]	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	1	0		[illegible]	0[illegible]02	0	0	0	1	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Mystacides sepulchralis*	1	0	0	1	0		2[illegible]6	0[illegible]01	0	0	0	1	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible]	22	0	0	22	0		[illegible]	0[illegible]2	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Cheumatopsyche* [illegible]	62	0	0	62	0	62	6[illegible]6	1[illegible]93	0	0	0	0	0	62
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hydropsyche* [illegible]	2	0	0	2	0		[illegible]	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hydropsyche betteni/depravata/potomacensis*	1	0	0	1	0		[illegible]9	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hydroptila* [illegible]	1	0	0	1	0		6[illegible]	0[illegible]03	0	0	0	0	1	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	P[illegible]	*Chimarra* [illegible]	21	0	0	21	0		3[illegible]3	0[illegible]33	0	0	0	21	0	
[illegible]	[illegible]	[illegible]	P[illegible]	C[illegible]	[illegible]	*Stenelmis* [illegible]	2	0	0	0	0		[illegible]6	0[illegible]	2	0	0	0	2	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]		[illegible]	1	0	0	0	0		[illegible]	0[illegible]03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	C[illegible] [illegible]	2	0	0	0	2		6[illegible]2	0[illegible]06	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Polypedilum flavum*	1	0	0	0	1		[illegible]	0[illegible]03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Rheotanytarsus* [illegible]	[illegible]	0	0	0	[illegible]		6[illegible]	0[illegible]12	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Apedilum* [illegible]	1	0	0	0	1		[illegible]69	0[illegible]03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Rheocricotopus robacki*	2	0	0	0	2		[illegible]9	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Simulium* [illegible]	2	0	0	0	0		[illegible]9	0[illegible]	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Tipula* [illegible]	1	0	0	0	0		[illegible]	0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Trepobates* [illegible]	1	0	0	0	0		6	0[illegible]03	0	0	1	0	0	
[illegible]	[illegible]	C[illegible] [illegible]		[illegible]		[illegible]	2	0	0	0	0		10	0[illegible]09	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Sperchon* [illegible]	9	0	0	0	0		[illegible]	0[illegible]	0	0	9	0	0	
[illegible]	C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Lebertia* [illegible]	3	0	0	0	0		[illegible]	0[illegible]11	0	0	3	0	0	
[illegible]	C[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1	0	0	0	0			0[illegible]00	0	0	1	0	0	

Percent Model Affinity		Difference from Model %
M[illegible]	[illegible]0	26[illegible]
M[illegible] P[illegible]	[illegible]	[illegible]00
M[illegible]	10	[illegible]2[illegible]1
M[illegible] C[illegible]	20	1[illegible]1
M[illegible] C[illegible]	10	9[illegible]06
M[illegible]	[illegible]	2[illegible]
M[illegible]	10	16[illegible]29
Sum of Difference		116[illegible]1
Sum of Difference * 0.5		[illegible]0
Percent Model Affinity		[illegible]160
Percent Model Affinity Category		M[illegible] [illegible]d

Metric	Value	VSCI metrics	Adjusted VSCI metrics
Species Richness	3[illegible]	1[illegible]2[illegible]3	100[illegible]00
Total Abundance	213		
% Ephemeroptera	13[illegible]1[illegible]	21[illegible]	21[illegible]
% Plecoptera	0[illegible]00		
% Trichoptera	[illegible]2[illegible]1		
% Chironomidae	[illegible]69	9[illegible]31	9[illegible]31
% Dominant Taxon	29[illegible]1		
Biotic Index	[illegible]	62[illegible]1	62[illegible]1
% Coleoptera	0[illegible]9[illegible]		
% Oligochaeta	2[illegible]2		
% Other	26[illegible]29		
% Plecoptera + Trichoptera (less Hydropsychidae)	10[illegible]0	30[illegible]33	30[illegible]33
% Scrapers	2[illegible]23	[illegible]2[illegible]	[illegible]2[illegible]
% Top 2 Dominant Taxa	[illegible]1[illegible]	[illegible]1[illegible]3	[illegible]1[illegible]3
EPT Index	10	90[illegible]91	90[illegible]91
EPT/EPT + Chironomidae Ratio	0[illegible]93		

Hilsenhoff Biotic Index Category	[illegible]

Final VSCI score	6[illegible]20

Cr[illegible]d [illegible] [illegible]
C[illegible]d [illegible] [illegible]
[illegible] [illegible] [illegible]2026

ATTACHMENT 2

REFERENCES

Attachment 2 - References

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Re: Prince William County Multiple Habitat Sampling Method Report

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Table 1: Summary of Results of Multiple Habitat Samples – Spring 2026

Metric	Site Locations				
	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
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[illegible]d[illegible]	19[illegible]	20[illegible]	20[illegible]	19[illegible]	203
[illegible]P[illegible] [illegible]d[illegible]	9	0	3	9	12
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P[illegible]r[illegible] [illegible]	11[illegible]6	2[illegible]	1[illegible]2[illegible]	20[illegible]30	10[illegible]
P[illegible]r[illegible]C[illegible]r[illegible] [illegible]d[illegible]	[illegible]3[illegible]61	61[illegible]6	[illegible]2	6[illegible]	[illegible]3
[illegible] [illegible]d[illegible]	6[illegible]2	6[illegible]2[illegible]	6[illegible]36	[illegible]63	[illegible]1
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PM[illegible] C[illegible]r[illegible]	[illegible] [illegible]d	M[illegible]d[illegible]r[illegible] [illegible]d	M[illegible]d[illegible]r[illegible] [illegible]d	[illegible]M[illegible]d[illegible]r[illegible] [illegible]d[illegible] [illegible]d	[illegible] [illegible]d[illegible] [illegible] [illegible]d
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ATTACHMENT 1

TABULATED DATA

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Metrics	Site Locations				
	Cow Branch	Dawkins Branch	Little Bull Run	Neabsco Creek	Purcell Branch
Taxa Richness	□2	□0	3□	36	□2
Total Abundance	19□	20□	20□	19□	203
EPT Index	9	0	3	9	12
EPT/EPT + Chironomidae Ratio	0□21	0□00	0□03	0□23	0□□2
Percent Dominant Taxon	11□□6	2□□□□	1□□2□	20□30	10□□□
Percent Chironomidae	□3□61	61□□6	□□□□2	6□□□□	□□□□3
Biotic Index (BI)	6□□2	6□2□	6□36	□□63	□□□1
Biotic Index (BI) Category	□□□□	□□□□	□□□□	□□□□	□□□□
Percent Model Affinity (PMA)	□0□□6	36□□3	□2□9□	□9□6□	6□□□0
Percent Model Affinity (PMA) Category	□□□□□□□□ □□ □□□□□d	M□d□r□□□□□ □□ □□□□□d	M□d□r□□□□□ □□ □□□□□d	M□d□r□□□□□ □□ □□□□□d□□□□□□□□ □□ □□□□□d	□□□□□□□□ □□ □□□□□d□□ □□□□ □□ □□□□□d
VSCI	□3□29	36□□0	□1□02	□1□□□	62□6□

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Results for Cow Branch

Phylum	Subphylum	Class	Subclass	Order	Family	Taxa	Raw Abundance	Ephemeroptera	Plecoptera	Trichoptera	Chironomidae	Dominant Taxon	Tolerance Values	Tolerance Values * Individual Abundance/Total Abundance	Coleoptera	Oligochaeta	Other	Plecoptera & Trichoptera (less Hydropsychidae)	Scrapers	Top 2 Dominant Taxa
[illegible]						[illegible]	1	0	0	0	0				0	0	1	0	0	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		9[illegible]	0[illegible]3	0	1	0	0	0	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Nais communis*	[illegible]	0	0	0	0		[illegible]	0[illegible]2	0	[illegible]	0	0	0	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Eclipidrilus* [illegible]	[illegible]	0	0	0	0		[illegible]3	0[illegible]3	0	[illegible]	0	0	0	
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Eclipidrilus palustris*	1	0	0	0	0		[illegible]3	0[illegible]3	0	1	0	0	0	
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[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Physa* [illegible]	1[illegible]	0	0	0	0		[illegible]	0[illegible]3	0	0	1[illegible]	0	1[illegible]	1[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Baetis flavistriga*	6	6	0	0	0		6[illegible]8	0[illegible]1	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Nyctiophylax* [illegible]	1	0	0	1	0		0[illegible]8	0[illegible]0	0	0	0	1	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	1	0		[illegible]	0[illegible]2	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Cheumatopsyche* [illegible]	3	0	0	3	0		6[illegible]6	0[illegible]0	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Hydropsyche* [illegible]	3	0	0	3	0		[illegible]	0[illegible]3	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Hydropsyche betteni/depravata/potomacensis*	3	0	0	3	0		[illegible]9	0[illegible]2	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Hydroptila* [illegible]	[illegible]	0	0	[illegible]	0		6[illegible]	0[illegible]2	0	0	0	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Chimarra* [illegible]	1	0	0	1	0		3[illegible]	0[illegible]2	0	0	0	1	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		6	0[illegible]3	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Neoporus* [illegible]	1	0	0	0	0		[illegible]	0[illegible]3	1	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	0	0	0	0		[illegible]	0[illegible]1	0	0	[illegible]	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1	0	0	0	0		[illegible]9	0[illegible]3	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	11	0	0	0	11		6[illegible]2	0[illegible]6	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Pentaneura inconspicua*	[illegible]	0	0	0	[illegible]		[illegible]	0[illegible]3	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Larsia* [illegible]	[illegible]	0	0	0	[illegible]		6[illegible]	0[illegible]1	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Labrundinia* [illegible]	10	0	0	0	10		6[illegible]2	0[illegible]3	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Chironomus* [illegible]	[illegible]	0	0	0	[illegible]		9[illegible]8	0[illegible]0	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Polypedilum scalaenum* [illegible]	1	0	0	0	1		[illegible]	0[illegible]3	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Polypedilum flavum*	9	0	0	0	9		[illegible]	0[illegible]2	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Polypedilum illinoense* [illegible]	6	0	0	0	6		[illegible]	0[illegible]2	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Rheotanytarsus* [illegible]	1	0	0	0	1		6[illegible]	0[illegible]3	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Dicrotendipes* [illegible]	6	0	0	0	6		[illegible]2	0[illegible]3	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Nilothauma* [illegible]	3	0	0	0	3		[illegible]4	0[illegible]3	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Paratanytarsus dissimilis*	2	0	0	0	2		[illegible]	0[illegible]9	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Cricotopus* [illegible]	3	0	0	0	3		[illegible]	0[illegible]9	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Thienemanniella xena*	1	0	0	0	1		[illegible]	0[illegible]3	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Parametriocnemus* [illegible]	9	0	0	0	9		3[illegible]9	0[illegible]1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Rheocricotopus* [illegible]	[illegible]	0	0	0	[illegible]		[illegible]	0[illegible]0	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Krenosmitta* [illegible]	1	0	0	0	1		0	0[illegible]0	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Synorthocladius* [illegible]	1	0	0	0	1		[illegible]2	0[illegible]2	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Cricotopus* [illegible] *Orthocladius*	23	0	0	0	23	23	[illegible]6	0[illegible]9	0	0	0	0	0	23
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Simulium* [illegible]	1	0	0	0	0		[illegible]9	0[illegible]3	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	0	0	0	0		[illegible]6	0[illegible]3	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Hemerodromia* [illegible]	1	0	0	0	0		[illegible]	0[illegible]3	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Neoplasta* [illegible]	2	0	0	0	0		[illegible]	0[illegible]3	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		[illegible]9	0[illegible]3	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		[illegible]9	0[illegible]3	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Antocha* [illegible]	3	0	0	0	0		[illegible]	0[illegible]3	0	0	3	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0				0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Sperchon* [illegible]	6	0	0	0	0		[illegible]	0[illegible]2	0	0	6	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1	0	0	0	0				0	0	1	0	0	

Percent Model Affinity		Difference from Model %
Model % Ephemeroptera	[illegible]0	3[illegible]36
Model % Plecoptera	[illegible]	[illegible]00
Model % Trichoptera	10	0[illegible]21
Model % Chironomidae	20	33[illegible]61
Model % Coleoptera	10	[illegible]52
Model % Oligochaeta	[illegible]	2[illegible]3
Model % Other	10	13[illegible]20
Sum of Difference		99[illegible]00
Sum of Difference * 0.5		[illegible]50[illegible]
Percent Model Affinity		[illegible]07[illegible]6
Percent Model Affinity Category		[illegible] [illegible]

Metric	Value	VSCI metrics	Adjusted VSCI metrics
Species Richness	[illegible]2	236[illegible]36	100[illegible]00
Total Abundance	19[illegible]		
% Ephemeroptera	[illegible]6[illegible]	[illegible]7[illegible]	[illegible]7[illegible]
% Plecoptera	0[illegible]00		
% Trichoptera	9[illegible]9		
% Chironomidae	[illegible]3[illegible]61	[illegible]6[illegible]39	[illegible]6[illegible]39
% Dominant Taxon	11[illegible]6		
Biotic Index	6[illegible]2	[illegible]2[illegible]	[illegible]2[illegible]
% Coleoptera	1[illegible]03		
% Oligochaeta	[illegible]63		
% Other	23[illegible]20		
% Plecoptera + Trichoptera (less Hydropsychidae)	[illegible]67	13[illegible]03	13[illegible]03
% Scrapers	12[illegible]9	2[illegible]9[illegible]	2[illegible]9[illegible]
% Top 2 Dominant Taxa	19[illegible]3	116[illegible]9[illegible]	100[illegible]00
EPT Index	9	[illegible]1[illegible]2	[illegible]1[illegible]2
EPT/EPT + Chironomidae Ratio	0[illegible]21		

Hilsenhoff Biotic Index Category	[illegible]1
Final VSCI score	[illegible]329

[illegible]d [illegible] [illegible]
[illegible]d [illegible] [illegible]
[illegible] [illegible] [illegible]2026

[illegible]
M[illegible]
[illegible] C[illegible]d 1[illegible]2026
Pr[illegible] [illegible]2303

Results for Dawkins Branch

Phylum	Subphylum	Class	Subclass	Order	Family	Taxa	Raw Abundance	Ephemeroptera	Plecoptera	Trichoptera	Chironomidae	Dominant Taxon	Tolerance Values	Tolerance Values * Individual Abundance/Total Abundance	Coleoptera	Oligochaeta	Other	Plecoptera & Trichoptera (less Hydropsychidae)	Scrapers	Top 2 Dominant Taxa
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		9[illegible]	0[illegible]	0	1	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Nais communis*	2	0	0	0	0		[illegible]	0[illegible]	0	2	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Nais pardalis*	1	0	0	0	0		[illegible]	0[illegible]	0	1	0	0	0	
M[illegible]		[illegible]	[illegible]		P[illegible]	*Planorbella scalaris*	1	0	0	0	0		6[illegible]2	0[illegible]3	0	0	1	0	1	
M[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Lymnaea* [illegible]	2	0	0	0	0		6[illegible]9	0[illegible]	0	0	2	0	2	
M[illegible]		[illegible]	[illegible]	[illegible]	C[illegible]	*Corbicula* [illegible]	3	0	0	0	0		6[illegible]12	0[illegible]9	0	0	3	0	0	
[illegible]	C[illegible]	M[illegible]	[illegible]	[illegible]	[illegible]	*Caecidotea* [illegible]	1	0	0	0	0		[illegible]	0[illegible]	0	0	1	0	0	
[illegible]	C[illegible]	M[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0		[illegible]	0[illegible]18	0	0	[illegible]	0	0	
[illegible]	C[illegible]	M[illegible]	[illegible]	[illegible]	[illegible]	*Gammarus* [illegible]	30	0	0	0	0		[illegible]1	1[illegible]	0	0	30	0	0	30
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Enallagma* [illegible]	1	0	0	0	0		[illegible]	0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	C[illegible]	[illegible]	[illegible]	1	0	0	0	0		6	0[illegible]3	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	P[illegible]	C[illegible]	[illegible]	*Stenelmis* [illegible]	[illegible]	0	0	0	0		[illegible]6	0[illegible]22	[illegible]	0	0	0	[illegible]	
[illegible]	[illegible]	[illegible]	P[illegible]	C[illegible]	P[illegible]	*Ectopria* [illegible]	1	0	0	0	0		[illegible]8	0[illegible]2	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]		[illegible] [illegible]	6	0	0	0	0		[illegible]	0[illegible]20	0	0	6	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Cricotopus* [illegible] [illegible]	11	0	0	0	11		6[illegible]2	0[illegible]33	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Larsia* [illegible]	1	0	0	0	1		6[illegible]	0[illegible]03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Chironomus* [illegible]	2	0	0	0	2		9[illegible]	0[illegible]09	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Tanytarsus* [illegible]	10	0	0	0	10		6[illegible]6	0[illegible]32	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Polypedilum illinoense* [illegible]	2	0	0	0	2		[illegible]	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Rheotanytarsus* [illegible]	2	0	0	0	2		6[illegible]	0[illegible]06	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Dicrotendipes* [illegible]	1	0	0	0	1		[illegible]2	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Pseudochironomus* [illegible]	1	0	0	0	1		[illegible]9	0[illegible]02	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Paratanytarsus dissimilis*	1[illegible]	0	0	0	1[illegible]		[illegible]	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	[illegible] [illegible]	1	0	0	0	1		[illegible]	0[illegible]02	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Cricotopus*	[illegible]	0	0	0	[illegible]		[illegible]	0[illegible]11	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Orthocladius* [illegible]	3	0	0	0	3		[illegible]	0[illegible]06	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Thienemanniella xena*	2	0	0	0	2		[illegible]	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Nanocladius* [illegible]	3	0	0	0	3		[illegible]	0[illegible]11	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Tvetenia paucunca*	2	0	0	0	2		3[illegible]6	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Parametriocnemus* [illegible]	12	0	0	0	12		3[illegible]9	0[illegible]23	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Cricotopus* [illegible] *Orthocladius*	[illegible]1	0	0	0	[illegible]1	[illegible]1	[illegible]6	1[illegible]21	0	0	0	0	0	[illegible]1
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Simulium* [illegible]	6	0	0	0	0		[illegible]9	0[illegible]18	0	0	6	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible] [illegible]	1	0	0	0	0		[illegible]6	0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hemerodromia* [illegible]	2	0	0	0	0		[illegible]	0[illegible]	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Neoplasta* [illegible]	1	0	0	0	0		[illegible]	0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	C[illegible] [illegible]	1	0	0	0	0		[illegible]9	0[illegible]03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Odontomyia/Hedriodiscus* [illegible]	1	0	0	0	0		[illegible]	0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	M[illegible]	*Mesovelia* [illegible]	1	0	0	0	0		6	0[illegible]03	0	0	1	0	0	
[illegible]	[illegible]	C[illegible] [illegible]		[illegible]	[illegible]	[illegible] [illegible]	2	0	0	0	0		10	0[illegible]10	0	0	2	0	0	
[illegible]						[illegible] [illegible]	1	0	0	0	0		[illegible]	0[illegible]02	0	0	1	0	0	

Percent Model Affinity		Difference from Model %
Model % Ephemeroptera	[illegible]0	[illegible]0[illegible]00
Model % Plecoptera	[illegible]	[illegible]00
Model % Trichoptera	10	10[illegible]00
Model % Chironomidae	20	[illegible]1[illegible]6
Model % Coleoptera	10	[illegible]12
Model % Oligochaeta	[illegible]	3[illegible]0[illegible]
Model % Other	10	21[illegible]1
Sum of Difference		126[illegible]5[illegible]
Sum of Difference * 0.5		63[illegible]1[illegible]
Percent Model Affinity		36[illegible]3
Percent Model Affinity Category		M[illegible]d[illegible]r[illegible] [illegible] [illegible]d

Metric	Value	VSCI metrics	Adjusted VSCI metrics
Species Richness	[illegible]0	1[illegible]1[illegible]2	100[illegible]00
Total Abundance	20[illegible]		
% Ephemeroptera	0[illegible]00	0[illegible]00	0[illegible]00
% Plecoptera	0[illegible]00		
% Trichoptera	0[illegible]00		
% Chironomidae	61[illegible]6	3[illegible]2	3[illegible]
% Dominant Taxon	2[illegible]		
Biotic Index	6[illegible]2[illegible]	[illegible]3[illegible]	[illegible]3[illegible]
% Coleoptera	[illegible]		
% Oligochaeta	1[illegible]5[illegible]		
% Other	31[illegible]1		
% Plecoptera + Trichoptera (less Hydropsychidae)	0[illegible]00	0[illegible]00	0[illegible]00
% Scrapers	6[illegible]3[illegible]	12[illegible]29	12[illegible]29
% Top 2 Dominant Taxa	39[illegible]1	[illegible]1	[illegible]1
EPT Index	0	0[illegible]00	0[illegible]00
EPT/EPT + Chironomidae Ratio	0[illegible]00		

Hilsenhoff Biotic Index Category	[illegible]

Final VSCI score	36[illegible]0

Cr[illegible]d [illegible] [illegible]
C[illegible]d [illegible] [illegible]C
[illegible] [illegible]2026

[illegible]
M[illegible] [illegible]
[illegible] C[illegible] 1[illegible]2026
Pr[illegible] [illegible]00[illegible]3[illegible]2303

Results for Little Bull Run

Phylum	Subphylum	Class	Subclass	Order	Family	Taxa	Raw Abundance	Ephemeroptera	Plecoptera	Trichoptera	Chironomidae	Dominant Taxon	Tolerance Values	Tolerance Values * Individual Abundance/Total Abundance	Coleoptera	Oligochaeta	Other	Plecoptera & Trichoptera (less Hydropsychidae)	Scrapers	Top 2 Dominant Taxa
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		9[illegible]	0.0[illegible]	0	1	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Aulodrilus limnobius*	1	0	0	0	0		[illegible]2	0.03	0	1	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Nais pardalis*	[illegible]	0	0	0	0		[illegible]	0.21	0	[illegible]	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		9[illegible]	0.0[illegible]	0	1	0	0	0	
M[illegible]		[illegible]	[illegible]		P[illegible]	*Physa* [illegible]	6	0	0	0	0		[illegible]	0.26	0	0	6	0	6	
M[illegible]		[illegible]	[illegible]	[illegible]	C[illegible]	*Corbicula* [illegible]	1	0	0	0	0		6.12	0.03	0	0	1	0	0	
M[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		6.6	0.03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Caenis* [illegible]	3	3	0	0	0		6[illegible]	0.10	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Argia* [illegible]	1	0	0	0	0		[illegible]3	0.0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Mystacides sepulchralis*	1	0	0	1	0		2.6	0.01	0	0	0	1	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hydroptila* [illegible]	1	0	0	1	0		6[illegible]	0.03	0	0	0	1	1	
[illegible]	[illegible]	[illegible]	P[illegible]	C[illegible]	[illegible]	[illegible]	1	0	0	0	0		6	0.03	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	P[illegible]	C[illegible]	[illegible]	*Dubiraphia* [illegible]	1	0	0	0	0		[illegible]	0.03	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	P[illegible]	C[illegible]	[illegible]	*Stenelmis* [illegible]	10	0	0	0	0		[illegible]6	0.2[illegible]	10	0	0	0	10	
[illegible]	[illegible]	[illegible]	P[illegible]	C[illegible]	P[illegible]	*Ectopria* [illegible]	2	0	0	0	0		[illegible]3	0.0[illegible]	2	0	0	0	2	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0		[illegible]	0.2[illegible]	0	0	[illegible]	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	C[illegible] [illegible]	1[illegible]	0	0	0	1[illegible]		6.2	0.[illegible]2	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	[illegible]	1	0	0	0	1		[illegible]	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Larsia* [illegible]	1	0	0	0	1		6[illegible]	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Chironomus* [illegible]	[illegible]	0	0	0	[illegible]		9.3	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Tanytarsus* [illegible]	3[illegible]	0	0	0	3[illegible]	3[illegible]	6.6	1.21	0	0	0	0	0	3[illegible]
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Dicrotendipes* [illegible]	[illegible]	0	0	0	[illegible]		[illegible]2	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Pseudochironomus* [illegible]	[illegible]	0	0	0	[illegible]		[illegible]9	0.09	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Apedilum* [illegible]	2	0	0	0	2		[illegible]6.9	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Paratanytarsus dissimilis*	30	0	0	0	30		[illegible]	1.22	0	0	0	0	0	30
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	[illegible]	[illegible]	0	0	0	[illegible]		[illegible]	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Cricotopus* [illegible]	6	0	0	0	6		[illegible]	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Orthocladius* [illegible]	[illegible]	0	0	0	[illegible]		[illegible]	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Tvetenia paucunca*	3	0	0	0	3		3.6[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Parametriocnemus* [illegible]	9	0	0	0	9		3.9	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Cricotopus* [illegible] *Orthocladius*	2[illegible]	0	0	0	2[illegible]		[illegible]6	0.[illegible]6	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Simulium* [illegible]	[illegible]	0	0	0	0		[illegible]9	0.12	0	0	[illegible]	0	0	
[illegible]	C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Hygrobates* [illegible]	1	0	0	0	0		[illegible]	0.0[illegible]	0	0	1	0	0	
[illegible]						[illegible]	3	0	0	0	0		[illegible]	0.0[illegible]	0	0	3	0	0	

Percent Model Affinity		Difference from Model %
Model % Ephemeroptera	[illegible]0	3[illegible]6
Model % Plecoptera	[illegible]	[illegible]00
Model % Trichoptera	10	9.0[illegible]
Model % Chironomidae	20	[illegible]2
Model % Coleoptera	10	3.2[illegible]
Model % Oligochaeta	[illegible]	1.1[illegible]
Model % Other	10	2.[illegible]0
Sum of Difference		11.0[illegible]
Sum of Difference * 0.5		[illegible]02
Percent Model Affinity		2.5[illegible]
Percent Model Affinity Category		M[illegible] [illegible]d

Metric	Value	VSCI metrics	Adjusted VSCI metrics
Species Richness	3[illegible]	1[illegible]	100.00
Total Abundance	20[illegible]		
% Ephemeroptera	1[illegible]	2.3[illegible]	2.3[illegible]
% Plecoptera	0.00		
% Trichoptera	0.56		
% Chironomidae	[illegible]2	2[illegible]	2[illegible]
% Dominant Taxon	1[illegible]		
Biotic Index	6.36	[illegible]1	[illegible]1
% Coleoptera	6.[illegible]3		
% Oligochaeta	3.[illegible]		
% Other	12.[illegible]0		
% Plecoptera + Trichoptera (less Hydropsychidae)	0.56	2.[illegible]0	2.[illegible]0
% Scrapers	10.10	19.[illegible]	19.[illegible]
% Top 2 Dominant Taxa	32.69	9.[illegible]	9.[illegible]
EPT Index	3	2.[illegible]	2.[illegible]
EPT/EPT + Chironomidae Ratio	0.03		

Hilsenhoff Biotic Index Category	[illegible]
Final VSCI score	[illegible]1.02

Cr[illegible]d [illegible] [illegible]
C[illegible]d [illegible] [illegible]C
[illegible] [illegible]2026

[illegible] Cr[illegible]
M[illegible] [illegible]
[illegible] Cr[illegible] 1[illegible]2026
Pr[illegible] [illegible]2303

Results for Neabsco Creek

Phylum	Subphylum	Class	Subclass	Order	Family	Taxa	Raw Abundance	Ephemeroptera	Plecoptera	Trichoptera	Chironomidae	Dominant Taxon	Tolerance Values	Tolerance Values * Individual Abundance/Total Abundance	Coleoptera	Oligochaeta	Other	Plecoptera & Trichoptera (less Hydropsychidae)	Scrapers	Top 2 Dominant Taxa
[illegible]		[illegible]		M[illegible]	Pr[illegible]	*Prostoma* [illegible]	1	0	0	0	0		6[illegible]	0[illegible]03	0	0	1	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Nais communis*	3	0	0	0	0		[illegible]	0[illegible]13	0	3	0	0	0	
[illegible]	Cr[illegible]	M[illegible]	[illegible]	[illegible]		[illegible]	1	0	0	0	0		[illegible]	0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible]	12	12	0	0	0		6[illegible]1	0[illegible]5[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Baetis* [illegible]	1	1	0	0	0		[illegible]1	0[illegible]02	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Baetis flavistriga*	3	3	0	0	0		6[illegible]	0[illegible]10	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Argia* [illegible]	1	0	0	0	0		[illegible]3	0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Cheumatopsyche* [illegible]	6	0	0	6	0		6[illegible]6	0[illegible]20	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hydropsyche* [illegible]	1	0	0	1	0		[illegible]	0[illegible]03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hydropsyche rossi*	2	0	0	2	0		[illegible]	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hydropsyche betteni/depravata/potomacensis*	2	0	0	2	0		[illegible]9	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible]	2	0	0	2	0		[illegible]	0[illegible]	0	0	0	2	2	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Hydroptila* [illegible]	9	0	0	9	0		6[illegible]	0[illegible]30	0	0	0	9	9	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]		[illegible]	[illegible]	0	0	0	0		[illegible]	0[illegible]1[illegible]	0	0	[illegible]	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	C[illegible] [illegible]	3	0	0	0	3		6[illegible]2	0[illegible]09	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Ablabesmyia mallochi*	1	0	0	0	1		[illegible]	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Chironomus* [illegible]	1	0	0	0	1		9[illegible]3	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Cryptochironomus* [illegible]	1	0	0	0	1		6[illegible]	0[illegible]03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Rheotanytarsus* [illegible]	1	0	0	0	1		6[illegible]	0[illegible]03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Dicrotendipes* [illegible]	1	0	0	0	1		[illegible]2	0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Paratanytarsus dissimilis*	16	0	0	0	16		[illegible]	0[illegible]59	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	[illegible]	[illegible]	0	0	0	[illegible]		[illegible]	0[illegible]1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Orthocladius* [illegible]	2[illegible]	0	0	0	2[illegible]		[illegible]	0[illegible]63	0	0	0	0	0	2[illegible]
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Thienemanniella xena*	6	0	0	0	6		[illegible]	0[illegible]2[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Tvetenia paucunca*	[illegible]	0	0	0	[illegible]		3[illegible]6[illegible]	0[illegible]1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Parametriocnemus* [illegible]	11	0	0	0	11		3[illegible]9	0[illegible]22	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Synorthocladius* [illegible]	3	0	0	0	3		[illegible]2	0[illegible]06	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Cricotopus* [illegible] *Orthocladius*	[illegible]0	0	0	0	[illegible]0	[illegible]0	[illegible]6	0[illegible]99	0	0	0	0	0	[illegible]0
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Brillia* [illegible]	1	0	0	0	1		[illegible]	0[illegible]03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	C[illegible]	*Potthastia* [illegible]	1	0	0	0	1		6[illegible]	0[illegible]03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Simulium* [illegible]	[illegible]	0	0	0	0		[illegible]9	0[illegible]10	0	0	[illegible]	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	[illegible]	2	0	0	0	0		[illegible]6	0[illegible]	0	0	2	0	0	
[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	[illegible]	*Antocha* [illegible]	[illegible]	0	0	0	0		[illegible]	0[illegible]11	0	0	[illegible]	0	0	
[illegible]	C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Lebertia* [illegible]	2	0	0	0	0		[illegible]	0[illegible]	0	0	2	0	0	
[illegible]	C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Hygrobates* [illegible]	1	0	0	0	0		[illegible]	0[illegible]	0	0	1	0	0	
[illegible]						[illegible]	6	0	0	0	0		[illegible]	0[illegible]1[illegible]	0	0	6	0	0	

Percent Model Affinity		Difference from Model %
Model % Ephemeroptera	[illegible]0	31[illegible]
Model % Plecoptera	[illegible]	[illegible]00
Model % Trichoptera	10	1[illegible]1[illegible]
Model % Chironomidae	20	[illegible]
Model % Coleoptera	10	10[illegible]00
Model % Oligochaeta	[illegible]	3[illegible]
Model % Other	10	3[illegible]1
Sum of Difference		100[illegible]1
Sum of Difference * 0.5		[illegible]0[illegible]6
Percent Model Affinity		[illegible]9[illegible]6[illegible]
Percent Model Affinity Category		M[illegible]d[illegible]
		[illegible]

Metric	Value	VSCI metrics	Adjusted VSCI metrics
Species Richness	36	163[illegible]6[illegible]	100[illegible]00
Total Abundance	19[illegible]		
% Ephemeroptera	[illegible]12	13[illegible]2[illegible]	13[illegible]2[illegible]
% Plecoptera	0[illegible]00		
% Trichoptera	11[illegible]1[illegible]		
% Chironomidae	6[illegible]	3[illegible]2	3[illegible]2
% Dominant Taxon	20[illegible]30		
Biotic Index	[illegible]63	6[illegible]2[illegible]	6[illegible]2[illegible]
% Coleoptera	0[illegible]00		
% Oligochaeta	1[illegible]2		
% Other	13[illegible]1		
% Plecoptera + Trichoptera (less	[illegible]	1[illegible]6[illegible]	1[illegible]6[illegible]
% Scrapers	[illegible]	10[illegible]2	10[illegible]2
% Top 2 Dominant Taxa	3[illegible]2	9[illegible]63	9[illegible]63
EPT Index	9	[illegible]1[illegible]2	[illegible]1[illegible]2
EPT/EPT + Chironomidae Ratio	0[illegible]23		

Hilsenhoff Biotic Index Category	[illegible]

Final VSCI score	[illegible]1[illegible]

Cr[illegible]d [illegible] [illegible]
C[illegible]d [illegible] [illegible]C
[illegible] [illegible] [illegible]2026

Pr[illegible]
M[illegible]
[illegible] C[illegible] 16[illegible]2026
Pr[illegible] [illegible]00[illegible]2303

Results for Purcell Branch

Phylum	Subphylum	Class	Subclass	Order	Family	Taxa	Raw Abundance	Ephemeroptera	Plecoptera	Trichoptera	Chironomidae	Dominant Taxon	Tolerance Values	Tolerance Values * Individual Abundance/Total Abundance	Coleoptera	Oligochaeta	Other	Plecoptera & Trichoptera (less Hydropsychidae)	Scrapers	Top 2 Dominant Taxa
[illegible]		[illegible]		M[illegible]	P[illegible]	*Prostoma* [illegible]	1	0	0	0	0		6.1	0.03	0	0	1	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	0	0	0	0		9.[illegible]	0.29	0	6	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Pristina* [illegible]	1	0	0	0	0		[illegible]	0.0[illegible]	0	1	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Nais communis*	[illegible]	0	0	0	0		[illegible]	0.1[illegible]	0	[illegible]	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Nais pardalis*	3	0	0	0	0		[illegible]	0.13	0	3	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	*Slavina appendiculata*	2	0	0	0	0		[illegible]	0.0[illegible]	0	2	0	0	0	
[illegible]		C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0		9.[illegible]	0.0[illegible]	0	1	0	0	0	
M[illegible]		[illegible]	[illegible]	[illegible]		[illegible]	1	0	0	0	0				0	0	1	0	0	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	*Physa* [illegible]	9	0	0	0	0		[illegible]	0.[illegible]0	0	0	9	0	9	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	P[illegible] [illegible]	1	0	0	0	0		6.[illegible]	0.03	0	0	1	0	1	
M[illegible]		[illegible]	[illegible]	[illegible]	P[illegible]	*Ferrissia* [illegible]	2	0	0	0	0		6.6	0.0[illegible]	0	0	2	0	2	
M[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	*Lymnaea* [illegible]	2	0	0	0	0		6.9	0.0[illegible]	0	0	2	0	2	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6	6	0	0	0		6.1	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Procloeon* [illegible]	1	1	0	0	0		1.9	0.01	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Baetis flavistriga*	3	3	0	0	0		6.[illegible]	0.10	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	3	0	0	0		[illegible]	0.06	0	0	0	0	3	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Stenonema smithae*	[illegible]	[illegible]	0	0	0		3.1[illegible]	0.06	0	0	0	0	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9	9	0	0	0		1.9	0.09	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1	0	0	0	0				0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Mystacides sepulchralis*	3	0	0	3	0		2.6	0.0[illegible]	0	0	0	3	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Cheumatopsyche* [illegible]	1[illegible]	0	0	1[illegible]	0		6.5	0.[illegible]6	0	0	0	0	0	1[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Hydroptila* [illegible]	[illegible]	0	0	[illegible]	0		6.[illegible]	0.16	0	0	0	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Chimarra* [illegible]	6	0	0	6	0		3.3	0.10	0	0	0	6	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Neophylax* [illegible]	1	0	0	1	0		1.6	0.01	0	0	0	1	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Stenelmis* [illegible]	[illegible]	0	0	0	0		[illegible].6	0.1[illegible]	[illegible]	0	0	0	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Ancyronyx variegatus*	1	0	0	0	0		6.[illegible]	0.03	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Oulimnius* [illegible]	1	0	0	0	0		1.[illegible]	0.01	1	0	0	0	1	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	1	0	0	0	0		[illegible]	0.0[illegible]	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	C[illegible] [illegible]	10	0	0	0	10		6.2	0.31	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Ablabesmyia mallochi*	2	0	0	0	2		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Labrundinia* [illegible]	1	0	0	0	1		6.2	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Tanytarsus* [illegible]	[illegible]	0	0	0	[illegible]		6.6	0.23	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Polypedilum illinoense* [illegible]	1	0	0	0	1		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Rheotanytarsus* [illegible]	2	0	0	0	2		6.[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Dicrotendipes* [illegible]	1	0	0	0	1		[illegible]2	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Apedilum* [illegible]	1	0	0	0	1		[illegible]9	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Stenochironomus* [illegible]	1	0	0	0	1		6.5	0.03	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Paratanytarsus dissimilis*	[illegible]	0	0	0	[illegible]		[illegible]	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	[illegible] [illegible]	[illegible]	0	0	0	[illegible]		[illegible]	0.13	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Cricotopus* [illegible]	10	0	0	0	10		[illegible]	0.29	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Corynoneura* [illegible]	6	0	0	0	6		[illegible]	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Orthocladius* [illegible]	6	0	0	0	6		[illegible]	0.13	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Tvetenia paucunca*	1	0	0	0	1		3.6[illegible]	0.02	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Parametriocnemus* [illegible]	22	0	0	0	22	22	3.9	0.[illegible]3	0	0	0	0	0	22
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Cricotopus* [illegible] *Orthocladius*	[illegible]	0	0	0	[illegible]		[illegible]6	0.1[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Diplocladius cultriger*	1	0	0	0	1		[illegible]	0.0[illegible]	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C[illegible]	*Potthastia* [illegible]	3	0	0	0	3		6.[illegible]	0.10	0	0	0	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	*Simulium* [illegible]	1	0	0	0	0		[illegible].9	0.02	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	P[illegible]	P[illegible]	1	0	0	0	0		6.9	0.03	0	0	1	0	0	
[illegible]	[illegible]	[illegible]	[illegible]	P[illegible]	[illegible]	*Amphinemura nigritta*	[illegible]	0	[illegible]	0	0		3.[illegible]	0.13	0	0	0	[illegible]	0	
[illegible]	[illegible]	C[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	0	0	0	0				0	0	1	0	0	
[illegible]	[illegible]	C[illegible]	[illegible]	[illegible]	[illegible]	*Lebertia* [illegible]	2	0	0	0	0		[illegible]	0.0[illegible]	0	0	2	0	0	

Percent Model Affinity		Difference from Model %
Model % Ephemeroptera	[illegible]0	2.[illegible]9
Model % Plecoptera	[illegible]	1.[illegible]
Model % Trichoptera	10	[illegible]6
Model % Chironomidae	20	2.[illegible]3
Model % Coleoptera	10	6.[illegible]
Model % Oligochaeta	[illegible]	3.[illegible]
Model % Other	10	1.3
Sum of Difference		[illegible]0.[illegible]9
Sum of Difference * 0.5		3.[illegible]0
Percent Model Affinity		6.[illegible]0
Percent Model Affinity Category		[illegible] [illegible]

Metric	Value	VSCI metrics	Adjusted VSCI metrics
Species Richness	[illegible]2	236.36	100.00
Total Abundance	203		
% Ephemeroptera	12.[illegible]1	20.[illegible]9	20.[illegible]9
% Plecoptera	3.[illegible]		
% Trichoptera	1.[illegible]6		
% Chironomidae	[illegible]3	[illegible].[illegible]	[illegible].[illegible]
% Dominant Taxon	10.[illegible]		
Biotic Index	[illegible]1	63.11	63.11
% Coleoptera	3.[illegible]		
% Oligochaeta	[illegible]		
% Other	11.3		
% Plecoptera + Trichoptera (less	10.[illegible]	30.[illegible]	30.[illegible]
% Scrapers	16.26	31.[illegible]0	31.[illegible]0
% Top 2 Dominant Taxa	19.21	116.[illegible]	100.00
EPT Index	12	109.09	100.00
EPT/EPT + Chironomidae Ratio	0.[illegible]2		

Hilsenhoff Biotic Index Category	[illegible]

Final VSCI score	62.6[illegible]

Cr[illegible]d [illegible] [illegible]
C[illegible]d [illegible] [illegible]C
[illegible] [illegible] [illegible]2026

ATTACHMENT 2

REFERENCES

Attachment 2 - References

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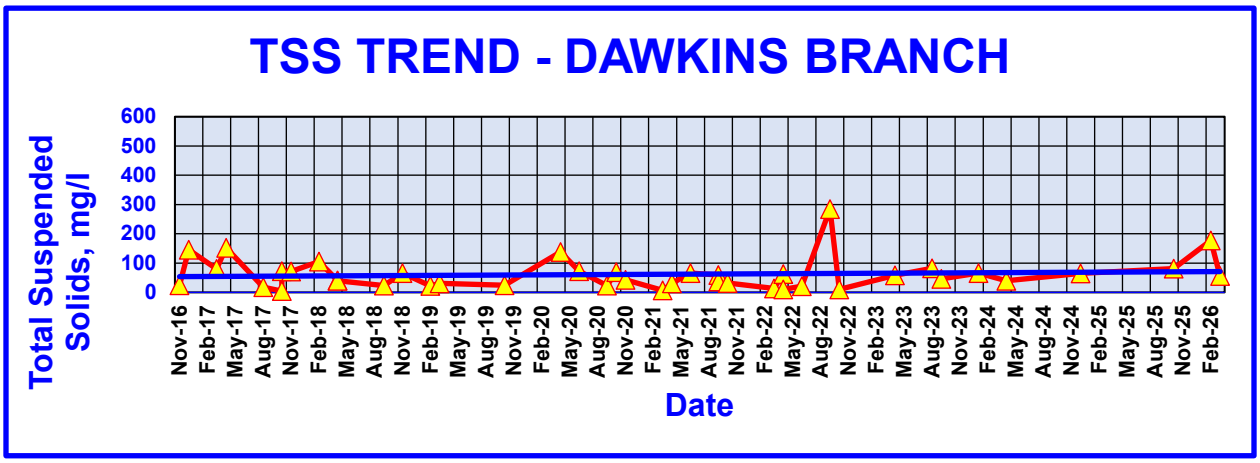
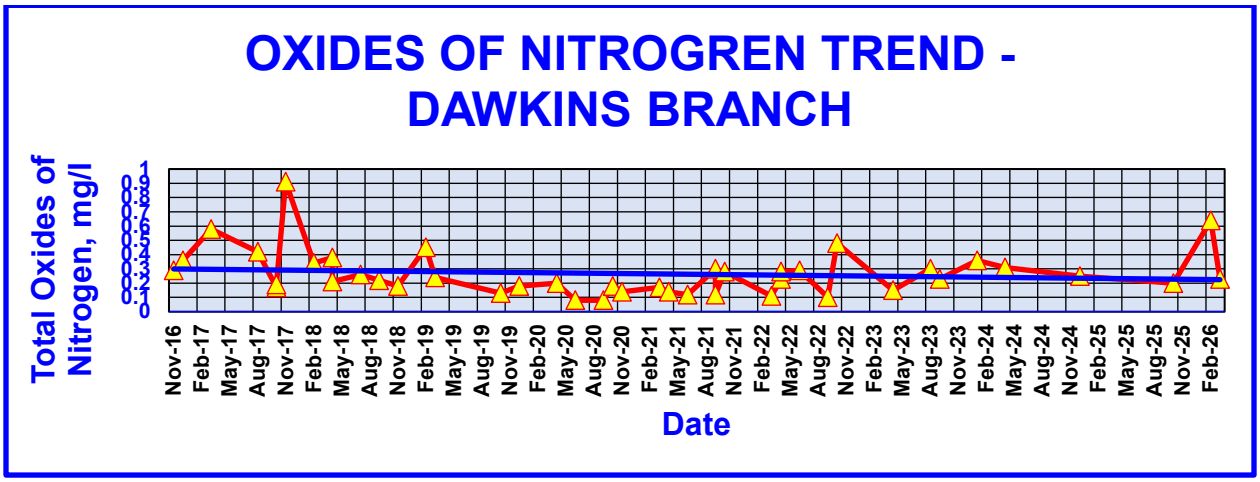
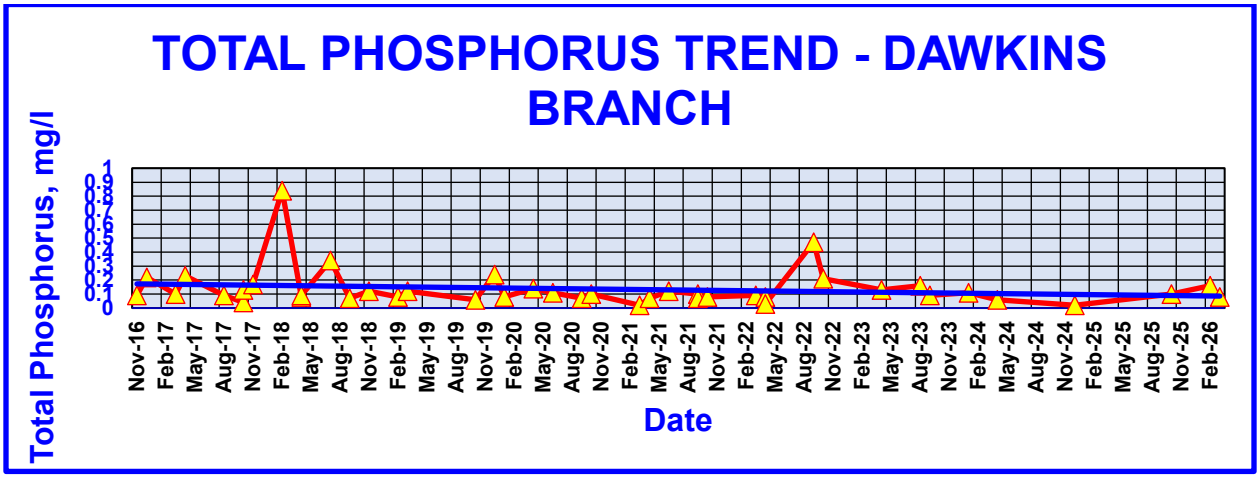
Appendix X

In-Stream Monitoring Summary

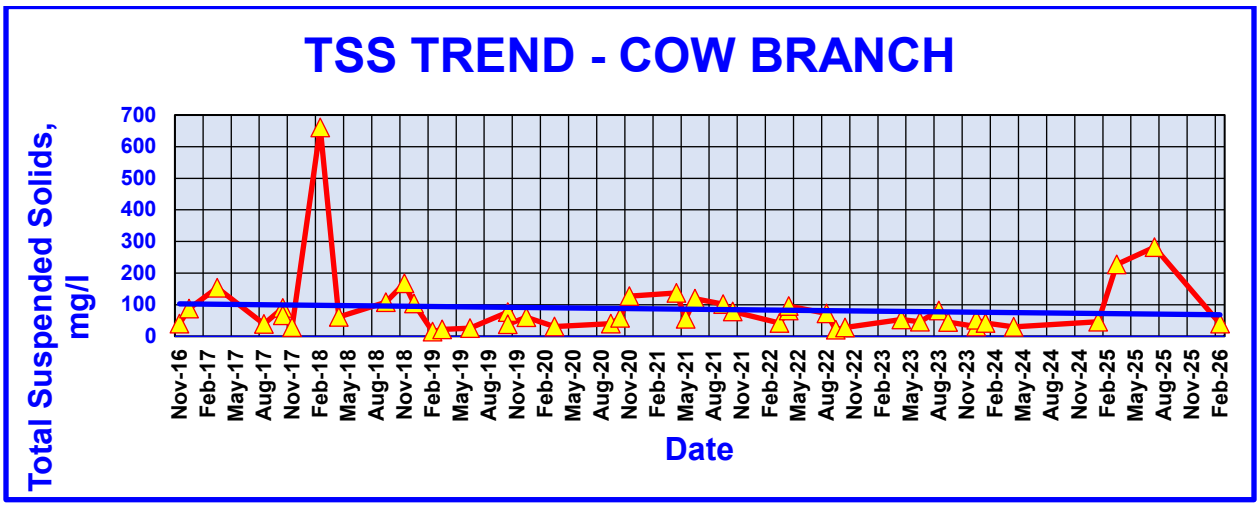
Dawkins Branch

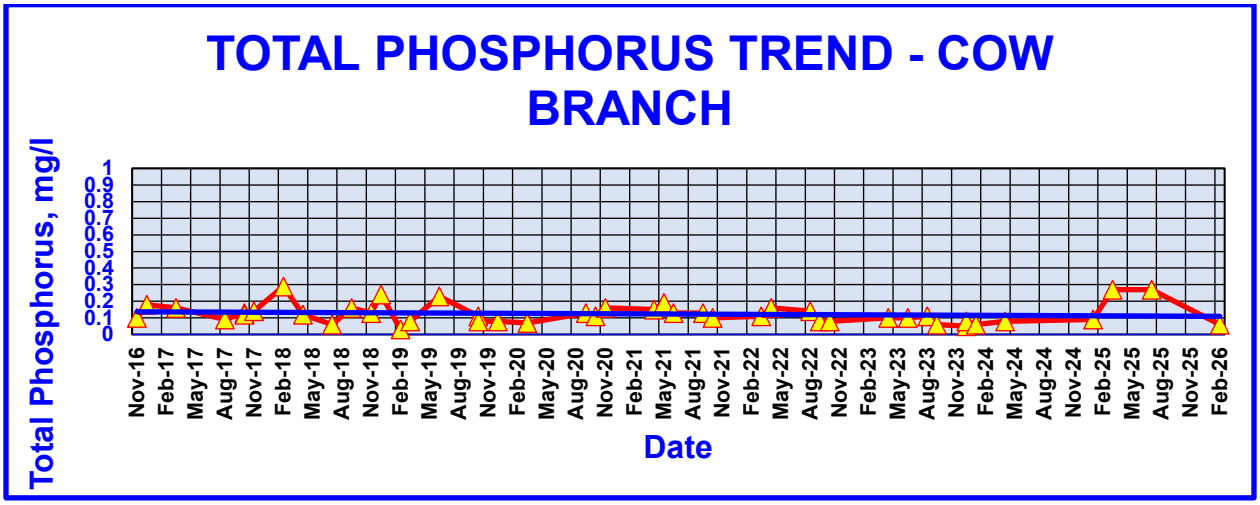


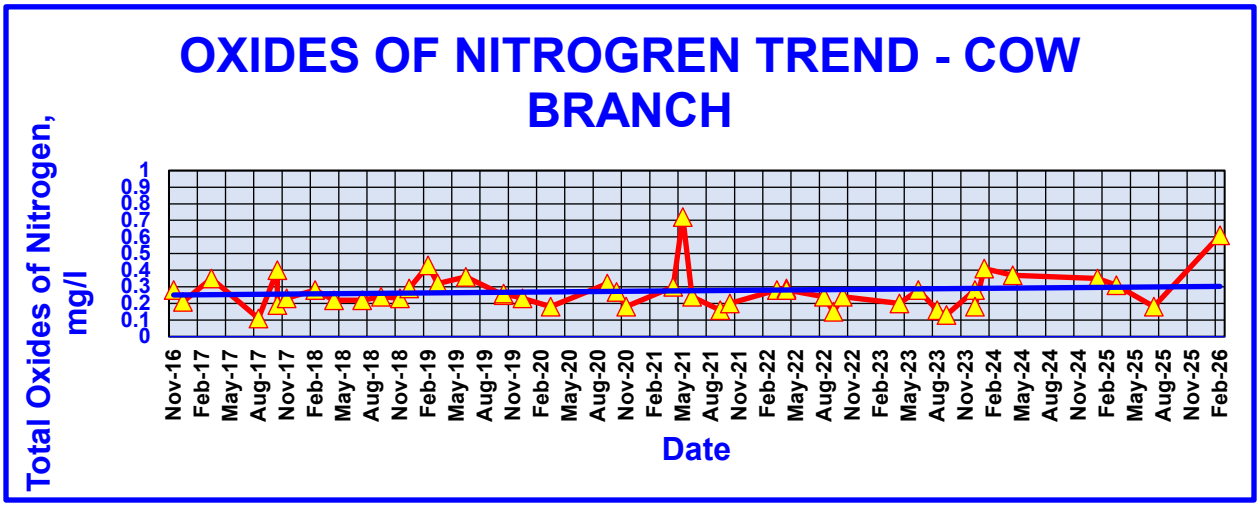




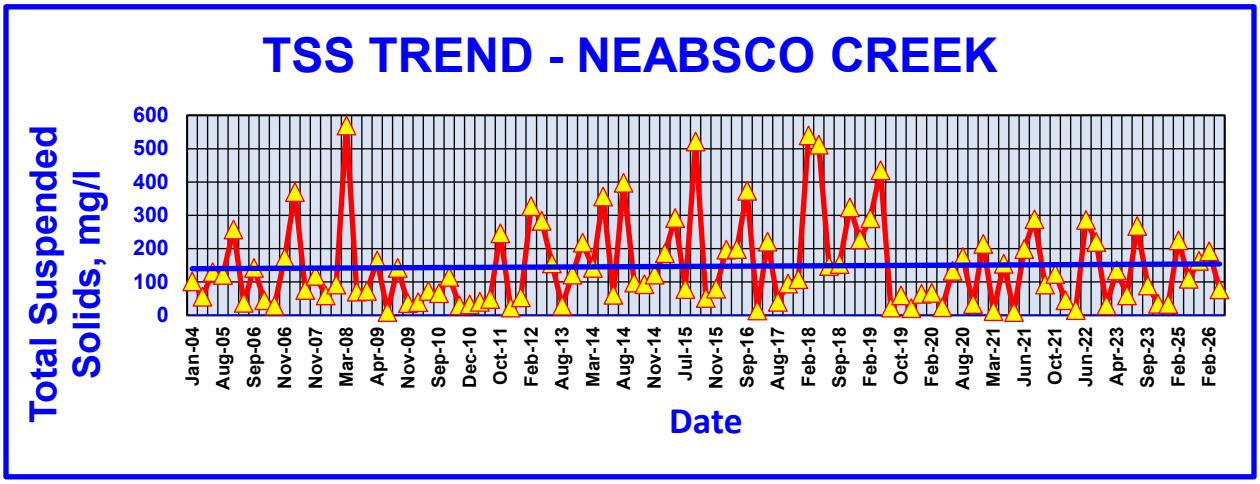
Cow Branch

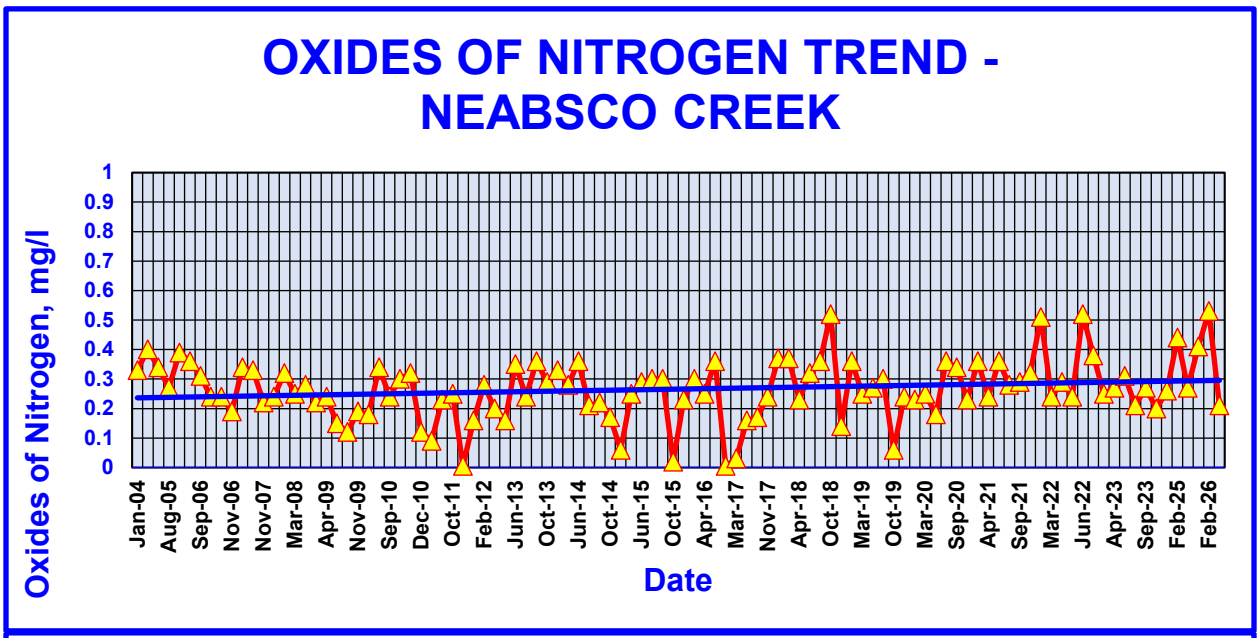

TSS TREND - COW BRANCH
Total Suspended Solids, mg/l
700
600
500
400
300
200
100
0
Nov-16 Feb-17 May-17 Aug-17 Nov-17 Feb-18 May-18 Aug-18 Nov-18 Feb-19 May-19 Aug-19 Nov-19 Feb-20 May-20 Aug-20 Nov-20 Feb-21 May-21 Aug-21 Nov-21 Feb-22 May-22 Aug-22 Nov-22 Feb-23 May-23 Aug-23 Nov-23 Feb-24 May-24 Aug-24 Nov-24 Feb-25 May-25 Aug-25 Nov-25 Feb-26
Date

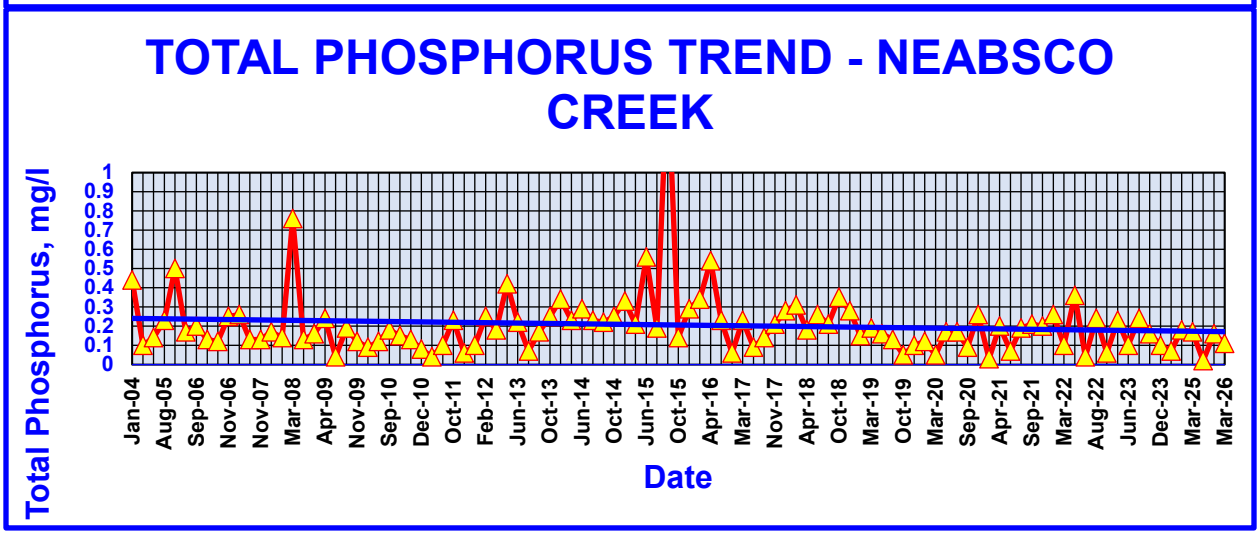

TOTAL PHOSPHORUS TREND - COW BRANCH
Total Phosphorus, mg/l
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Nov-16 Feb-17 May-17 Aug-17 Nov-17 Feb-18 May-18 Aug-18 Nov-18 Feb-19 May-19 Aug-19 Nov-19 Feb-20 May-20 Aug-20 Nov-20 Feb-21 May-21 Aug-21 Nov-21 Feb-22 May-22 Aug-22 Nov-22 Feb-23 May-23 Aug-23 Nov-23 Feb-24 May-24 Aug-24 Nov-24 Feb-25 May-25 Aug-25 Nov-25 Feb-26
Date


OXIDES OF NITROGREN TREND - COW BRANCH
Total Oxides of Nitrogen, mg/l
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Nov-16 Feb-17 May-17 Aug-17 Nov-17 Feb-18 May-18 Aug-18 Nov-18 Feb-19 May-19 Aug-19 Nov-19 Feb-20 May-20 Aug-20 Nov-20 Feb-21 May-21 Aug-21 Nov-21 Feb-22 May-22 Aug-22 Nov-22 Feb-23 May-23 Aug-23 Nov-23 Feb-24 May-24 Aug-24 Nov-24 Feb-25 May-25 Aug-25 Nov-25 Feb-26
Date

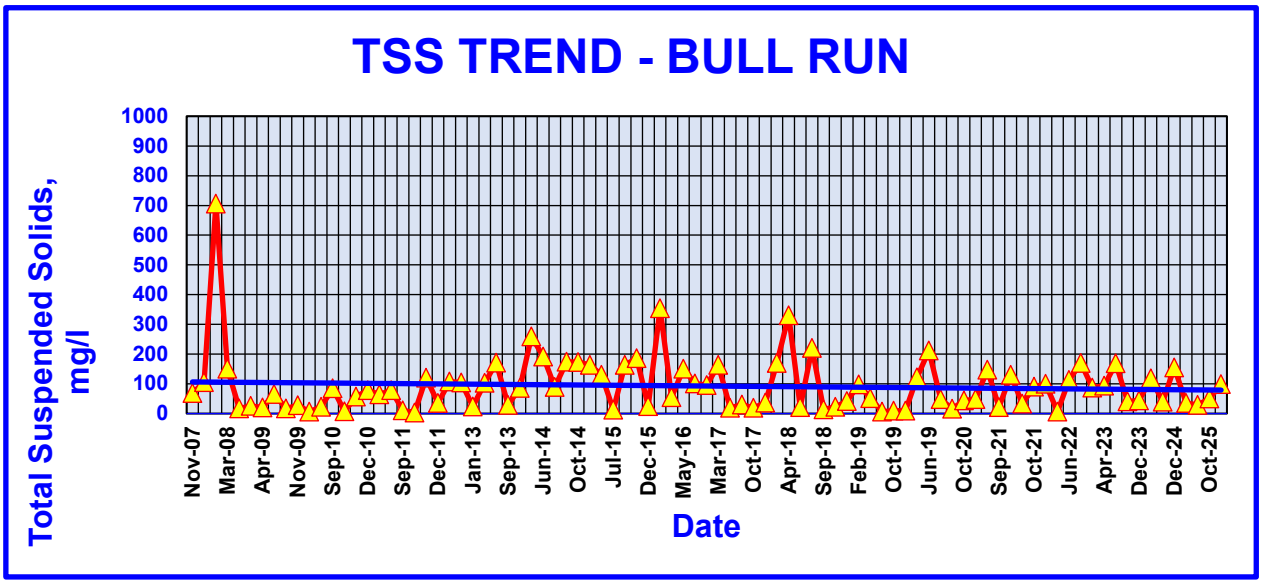
Neabsco Creek







Bull Run


TSS TREND - BULL RUN
Total Suspended Solids, mg/l
1000
900
800
700
600
500
400
300
200
100
0
Nov-07
Mar-08
Apr-09
Nov-09
Sep-10
Dec-10
Sep-11
Dec-11
Jan-13
Sep-13
Jun-14
Oct-14
Jul-15
Dec-15
May-16
Mar-17
Oct-17
Apr-18
Sep-18
Feb-19
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Jun-19
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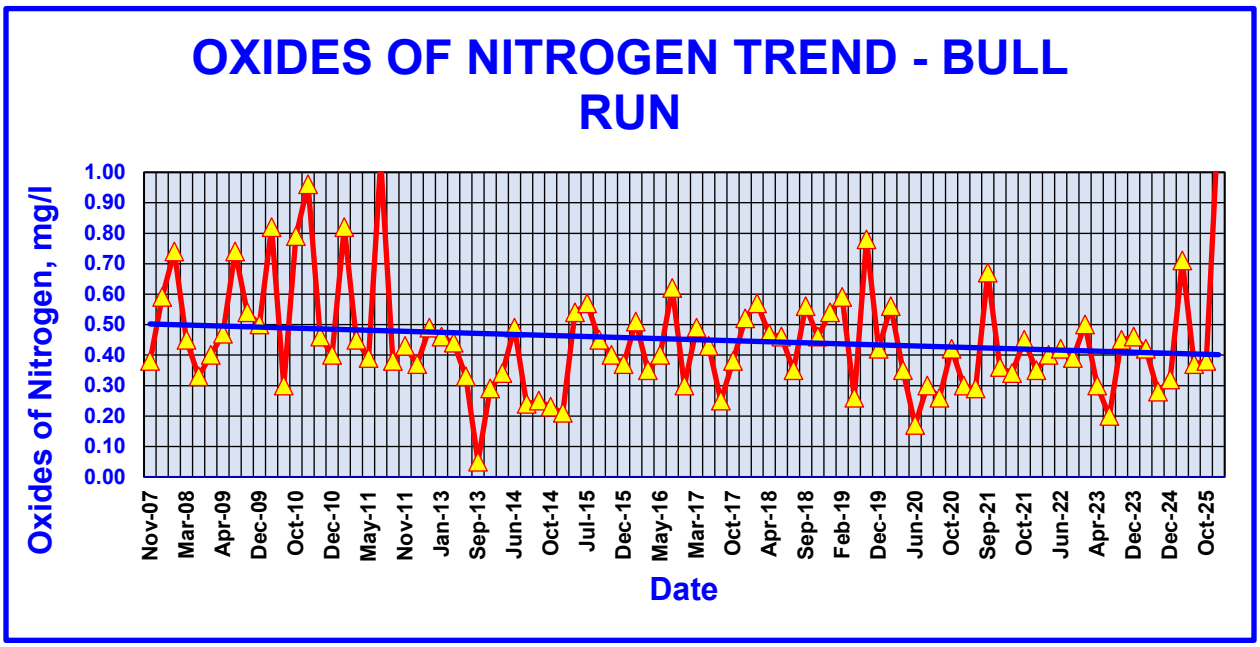
Sep-21
Oct-21
Jun-22
Apr-23
Dec-23
Dec-24
Oct-25
Date


OXIDES OF NITROGEN TREND - BULL RUN
Oxides of Nitrogen, mg/l
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Nov-07
Mar-08
Apr-09
Dec-09
Oct-10
Dec-10
May-11
Nov-11
Jan-13
Sep-13
Jun-14
Oct-14
Jul-15
Dec-15
May-16
Mar-17
Oct-17
Apr-18
Sep-18
Feb-19
Dec-19
Jun-20
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Sep-21
Oct-21
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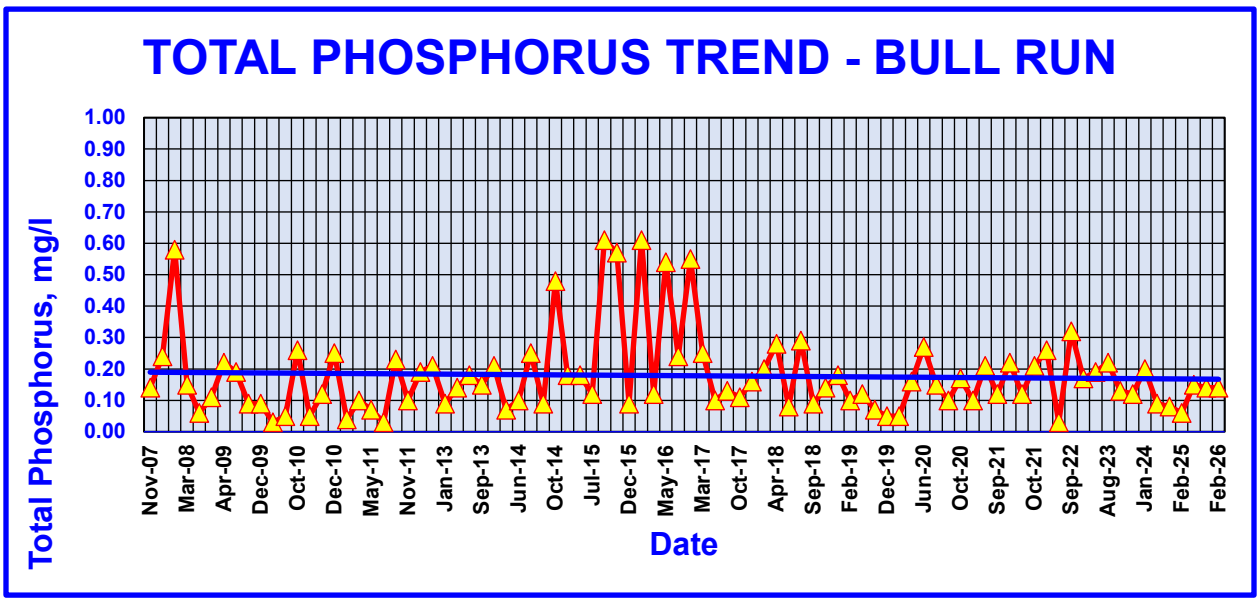
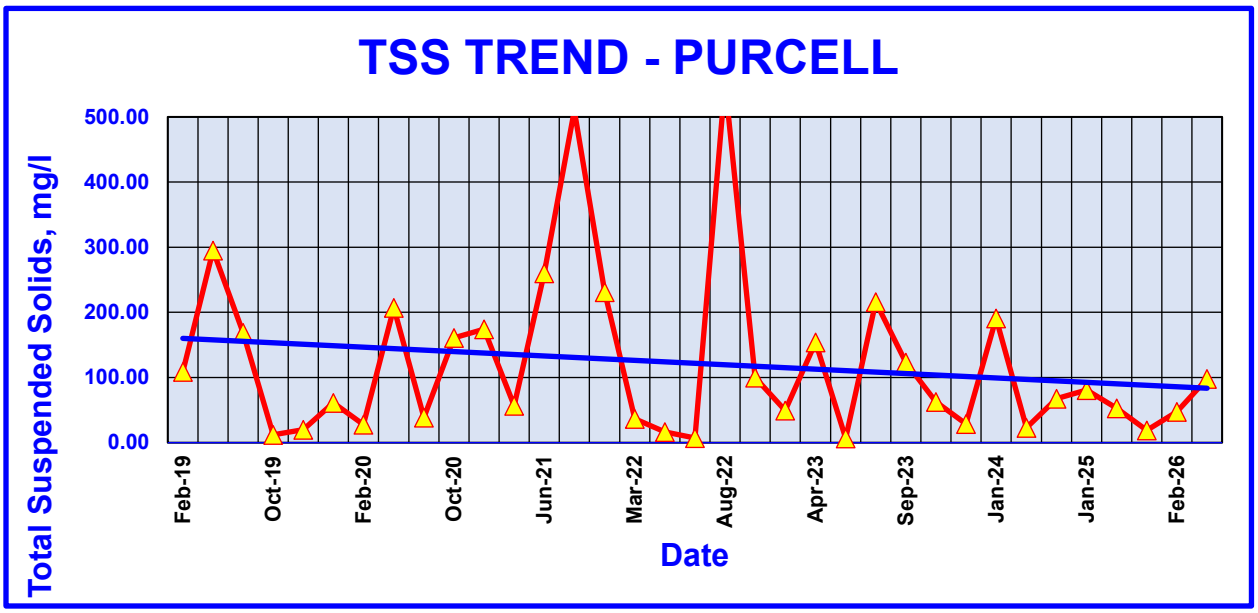
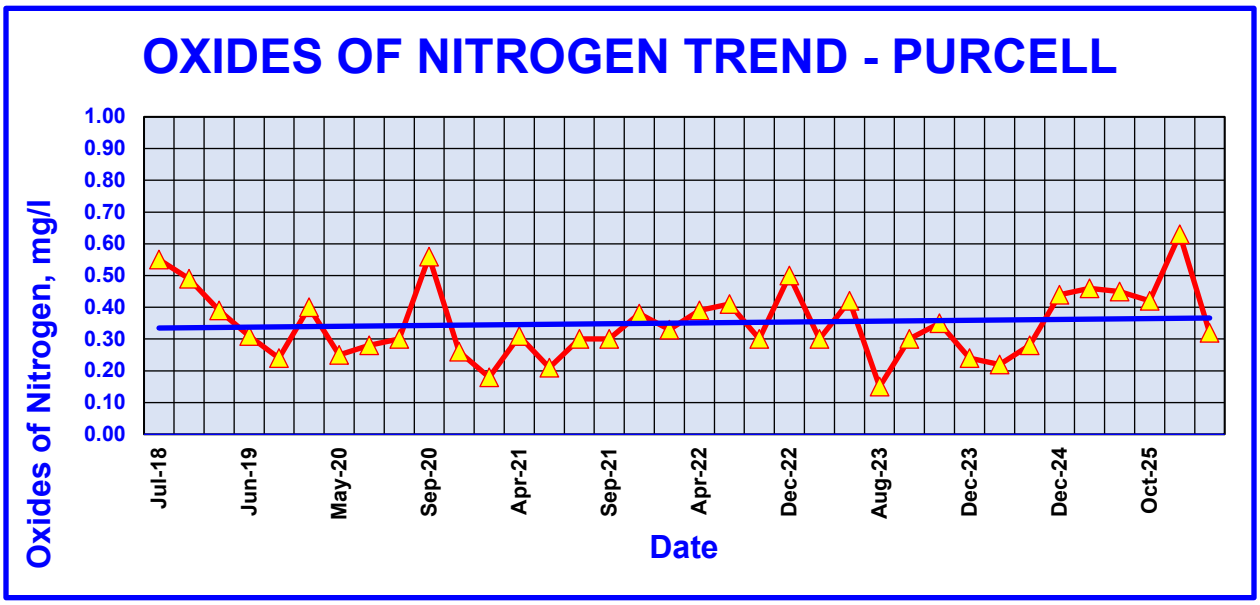
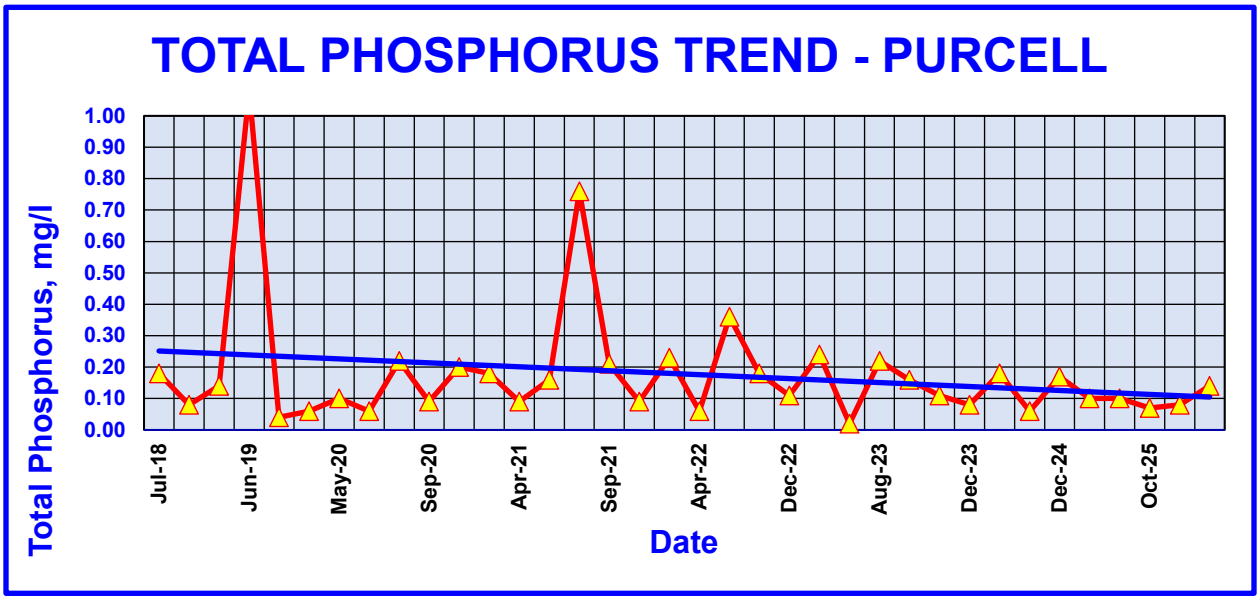
Apr-23
Dec-23
Dec-24
Oct-25
Date


TOTAL PHOSPHORUS TREND - BULL RUN
Total Phosphorus, mg/l
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Nov-07
Mar-08
Apr-09
Dec-09
Oct-10
Dec-10
May-11
Nov-11
Jan-13
Sep-13
Jun-14
Oct-14
Jul-15
Dec-15
May-16
Mar-17
Oct-17
Apr-18
Sep-18
Feb-19
Dec-19
Jun-20
Oct-20
Sep-21
Oct-21
Sep-22
Aug-23
Jan-24
Feb-25
Feb-26
Date

Purcell


TSS TREND - PURCELL
Total Suspended Solids, mg/l
500.00
400.00
300.00
200.00
100.00
0.00
Feb-19
Oct-19
Feb-20
Oct-20
Jun-21
Mar-22
Aug-22
Apr-23
Sep-23
Jan-24
Jan-25
Feb-26
Date


OXIDES OF NITROGEN TREND - PURCELL
Oxides of Nitrogen, mg/l
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Jul-18
Jun-19
May-20
Sep-20
Apr-21
Sep-21
Apr-22
Dec-22
Aug-23
Dec-23
Dec-24
Oct-25
Date


TOTAL PHOSPHORUS TREND - PURCELL
Total Phosphorus, mg/l
1.00
0.90
0.80
0.70
0.60
0.50
0.40
0.30
0.20
0.10
0.00
Jul-18
Jun-19
May-20
Sep-20
Apr-21
Sep-21
Apr-22
Dec-22
Aug-23
Dec-23
Dec-24
Oct-25
Date

Appendix Y

Floatables Monitoring Report

8850 Rixlew Lane, Manassas, VA 20109 Tel. 571.379.7514 Fax. 571.379.8305 www.pwswcd.org

Prince William County Floatable Survey

2025 - 2026 Fiscal Year Report

A Report put together by the Prince William Soil and Water Conservation District

The Floatable Monitoring Program in Prince William County

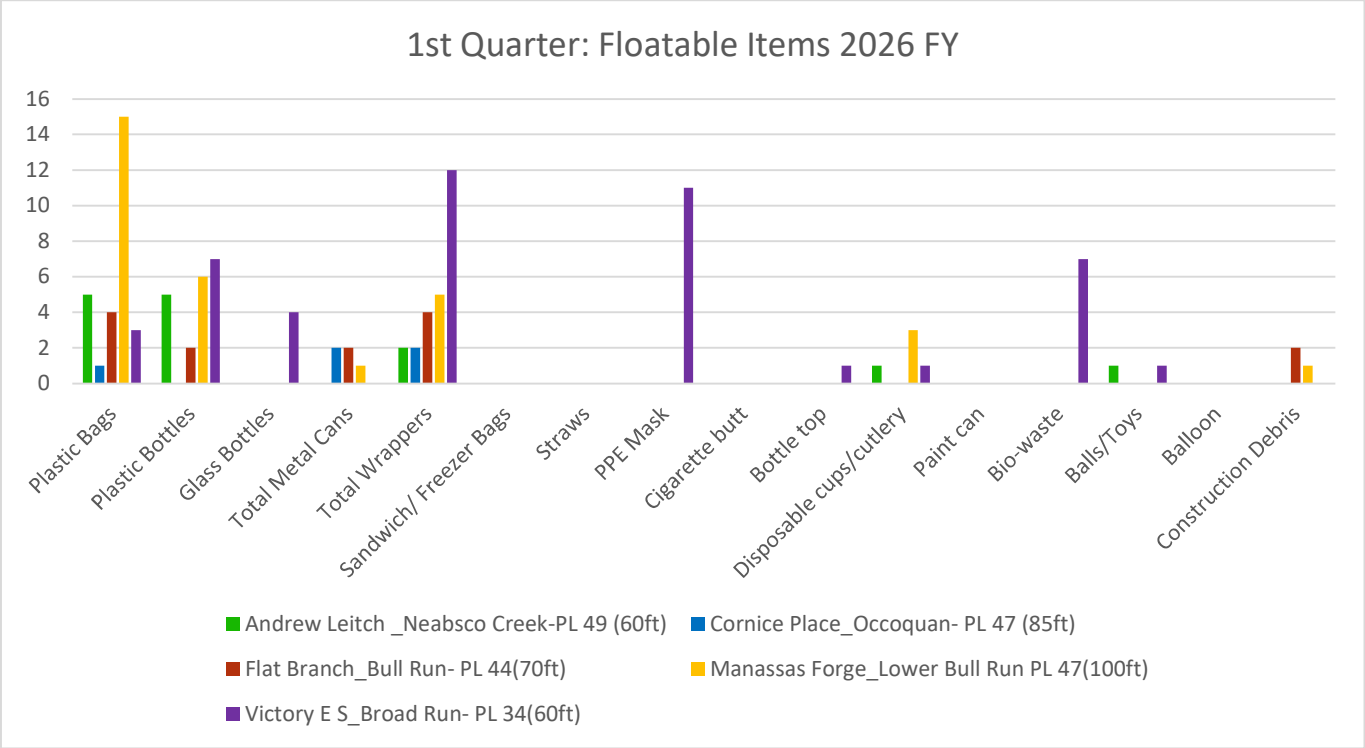
The amendment of the Clean Water Act, and in line with the Virginia Stormwater Management Act and regulations adopted by the State of Virginia, authorizes the discharge of stormwater from all existing and new municipal separate stormwater point source discharges to surface waters from the Municipal Separate Storm Sewer System (MS4) owned or operated by the County of Prince William in Virginia.

Prince William County provides its citizens with the healthiest environment by reducing the impact of pollution in its heavily industrialized and urbanized areas. Nonpoint source pollutants transported in local streams affect water quality, which is a major concern within the County.

As required by the Environmental Protection Agency (EPA) and the Department of Environmental Quality (DEQ), the County must reduce pollution runoff from its Industrialized and urbanized areas. Under the Virginia Pollutant Discharge Elimination System Permit (VPDS) and the Virginia Stormwater Management Program (VSMP), Prince William County's Public Works Department and the Prince William Soil and Water Conservation District (PWSWCD) collaborated on a Floatable Monitoring Program in July 2016 to monitor floatable items in local streams in the County. This report is presented in four phases to match the quarterly monitoring in each fiscal year.

Phase I.

Figure 1. At the top of the list of floatable Items collected during the 1st Quarter: plastic bags and Plastic Wrappers



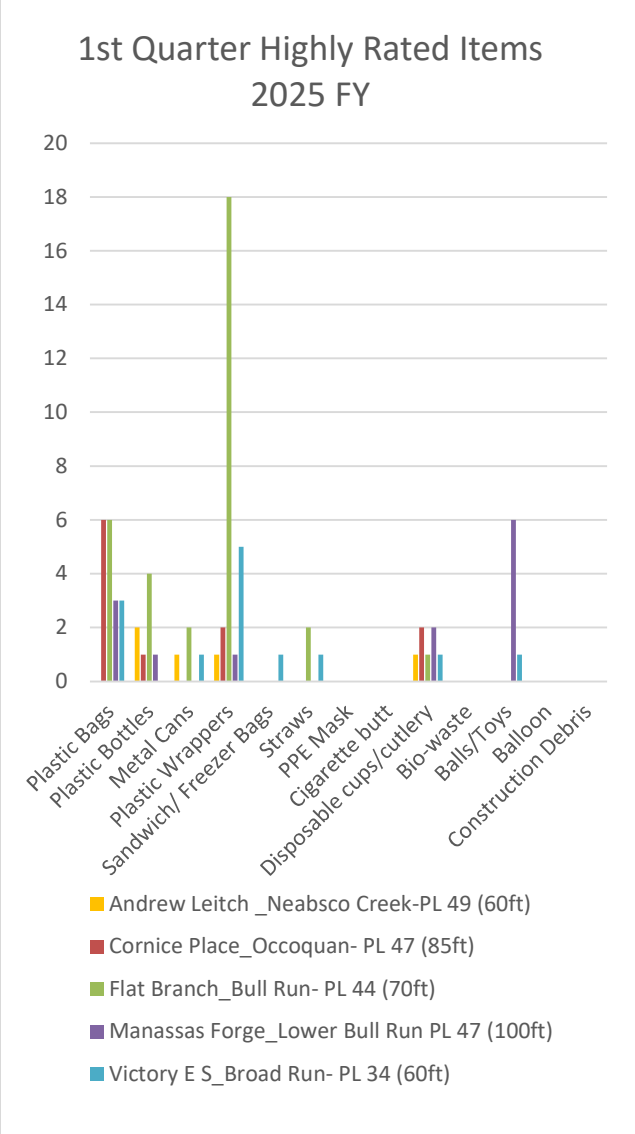
In the First Quarter of floatable monitoring, plastic bags, plastic bottles, plastic wrappers, disposable cups/cutlery, and toys were observed in significant amounts.

The Dawkin's Branch showed a significant increase in floatable items, while the Manassas Forge site showed a significant presence of business-related items like plastic bags, plastic bottles, and wrappers.

2026 also showed a significant presence of biowaste in the form of pet waste at Dawkin's Branch

Comparing the 1st Quarter of 2025 and 2026 Fiscal Year

Plastic bags and plastic wrappers remained the most dominant items in the streams for both years. However, 2026 had fewer floatable items in Flat Branch than 2025. This may be attributed to increased impervious surfaces, which have increased stormwater flow at Flat Branch and increased the tendency for debris to be carried farther downstream.



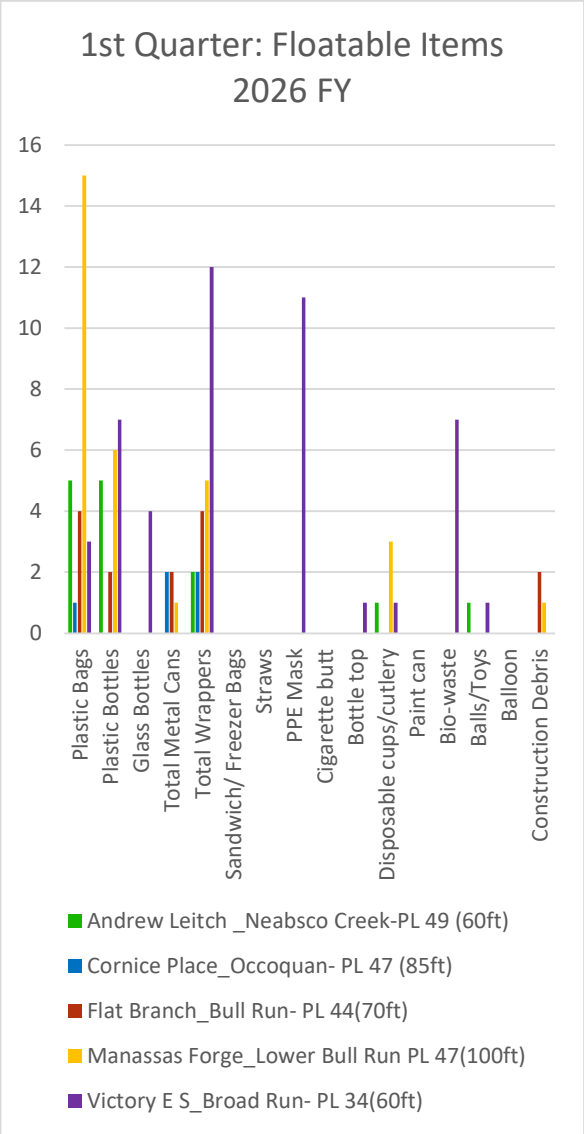


Figure 1a. Comparing 2025 and 2026.

Phase II.

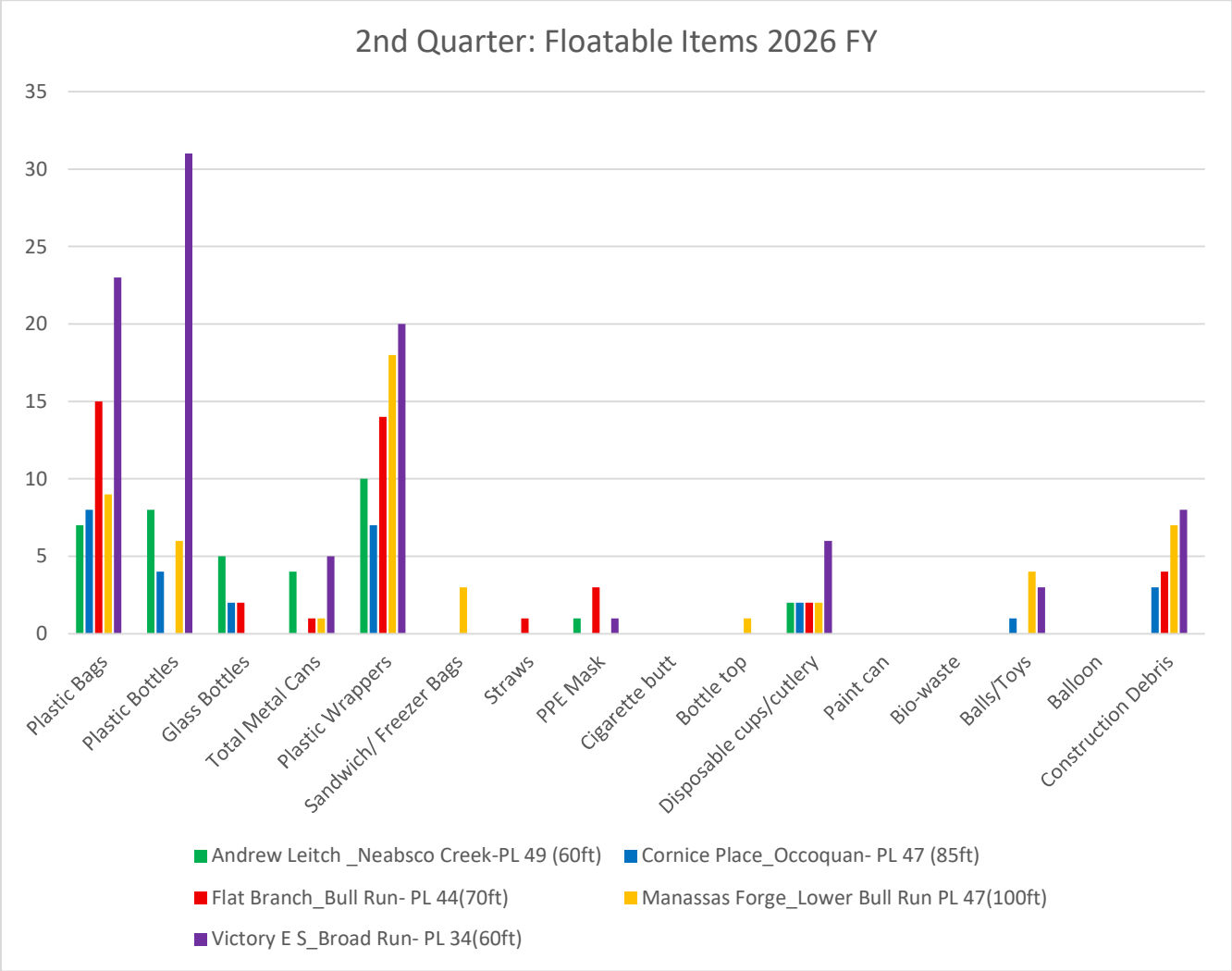


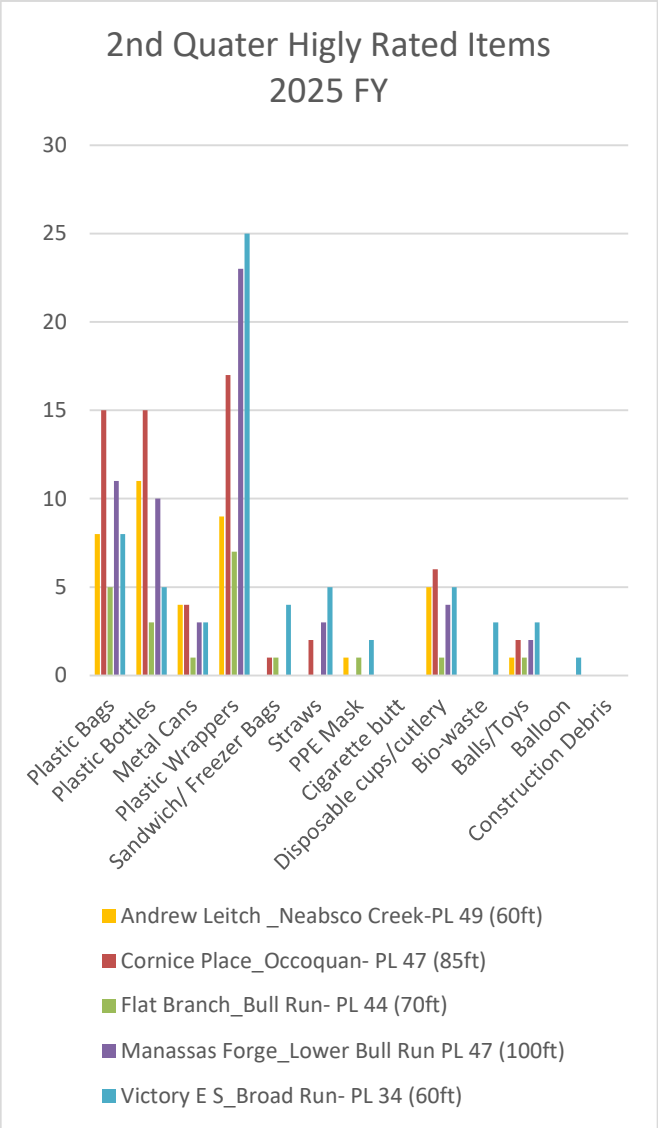
Figure 2. Top of the Floatable Items collected during the 2nd Quarter: Plastic Wrappers.

In Phase II of 2026, plastic bags and plastic wrappers remained the most dominant items, with a significant number of plastic bottles recorded at Dawkins Branch.

The second quarter of 2025 also showed an increase in plastic wrappers, followed by plastic bottles, plastic bags, and Restaurant disposables.

Comparing the 2nd Quarter of 2025 and 2026 Fiscal Year

In 2025, plastic wrappers were the most significant item identified, followed by plastic bags, plastic bottles, and disposable food items from restaurants and fast food businesses. In 2026, plastic bags and plastic wrappers increased significantly, with plastic bottles noted only in Dawkin's Branch of the Broad Run. Overall, the floatable load collected in 2026 was lower than in 2025. Restaurant floatables were present in all five sites.



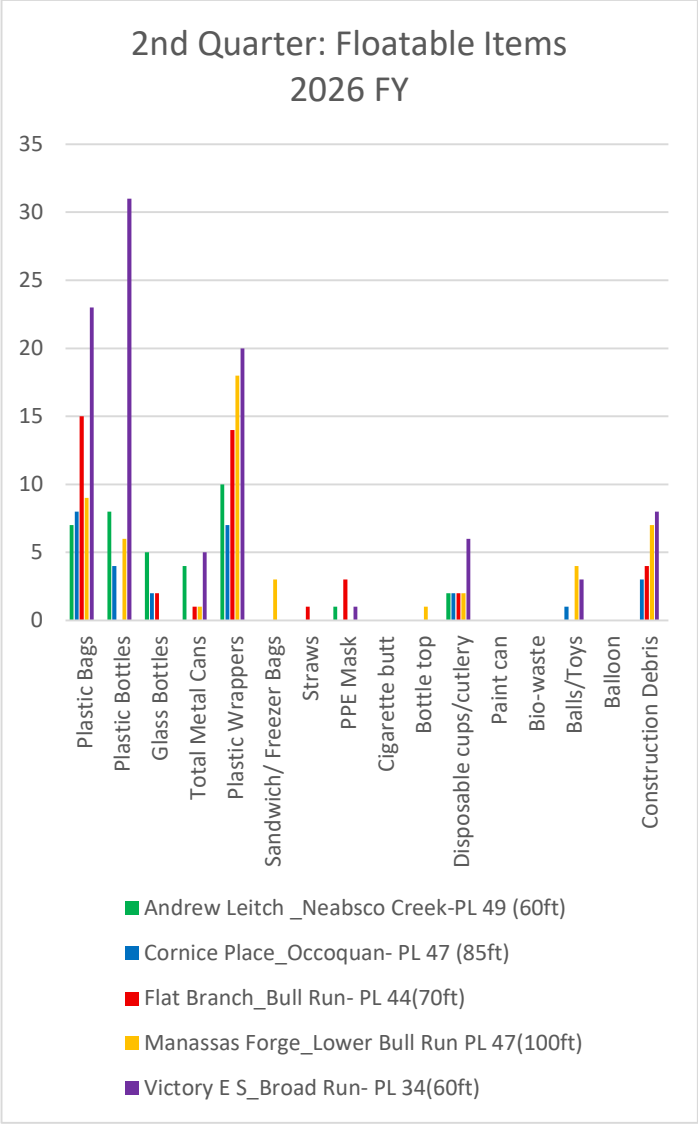


Figure 2a. Comparing 2025 and 2026

Phase III

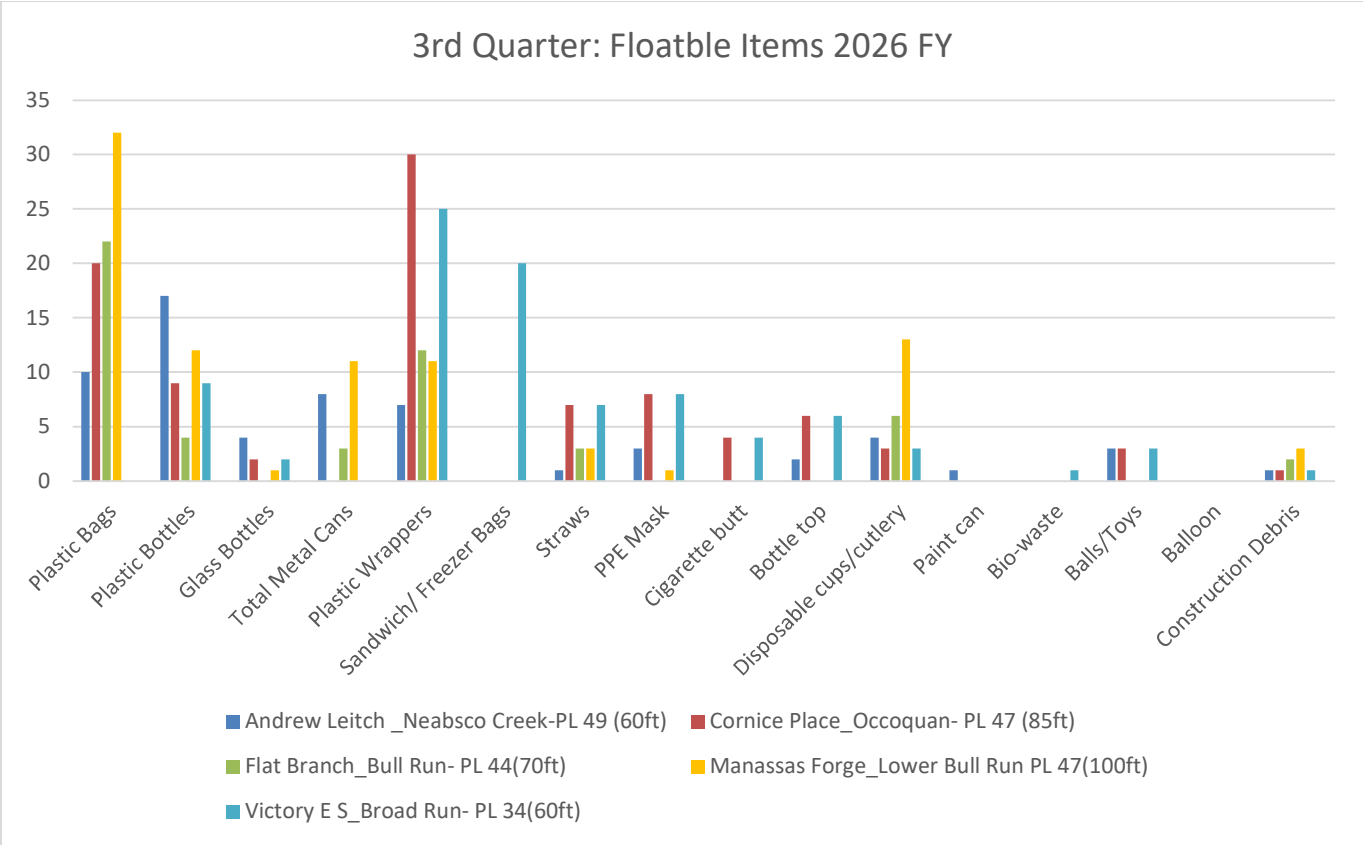


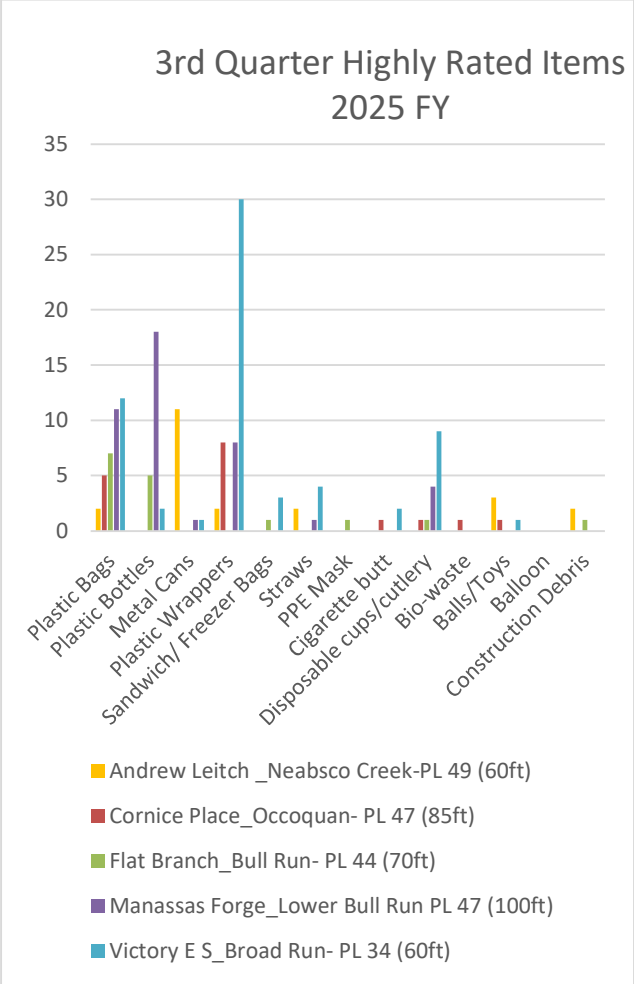
Figure 3. At the top of the list of floatable Items collected during the 3rd Quarter were plastic wrappers, followed by plastic bags and Plastic bottles.

In the third Quarter of 2026, the Manassas Forge site registered the highest number of floatable items, and the Dawkins Branch site recorded the second-highest number of floatable items. Floatable Items from the Conice Place were significant. Restaurant disposables, straws, and construction debris were common at all five sites.

Comparing the 3rd Quarter of 2025 and 2026 Fiscal Year

Comparing the third Quarter of 2025 to 2026, plastic wrappers and bags were significantly higher at all five sites in both years. However, the counts of floatable items were higher in 2026 compared to 2025, with Cornice registering a higher number of floatable items than in 2025.

Figure 3a. Comparing 2025 and 2026



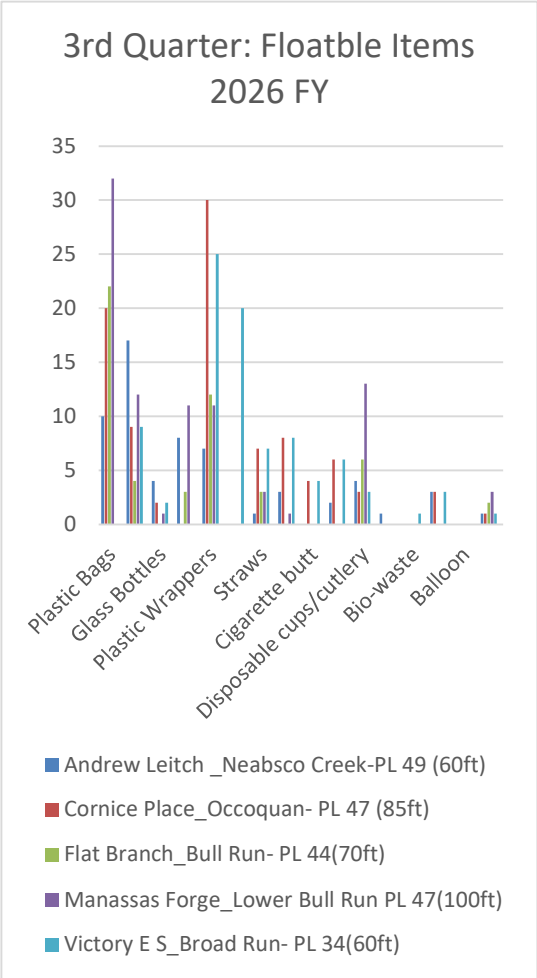


Figure 3a. Comparing 2025 and 2026

PHASE IV

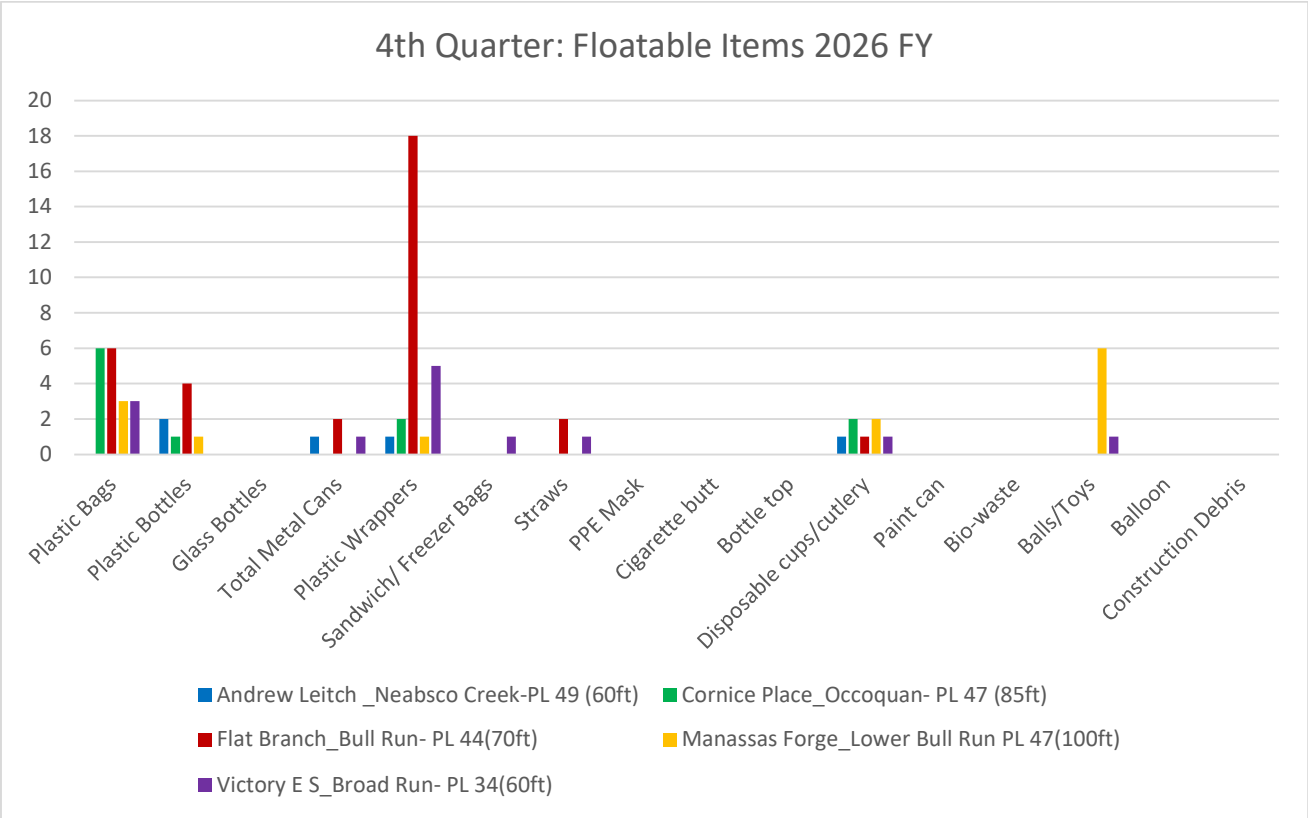
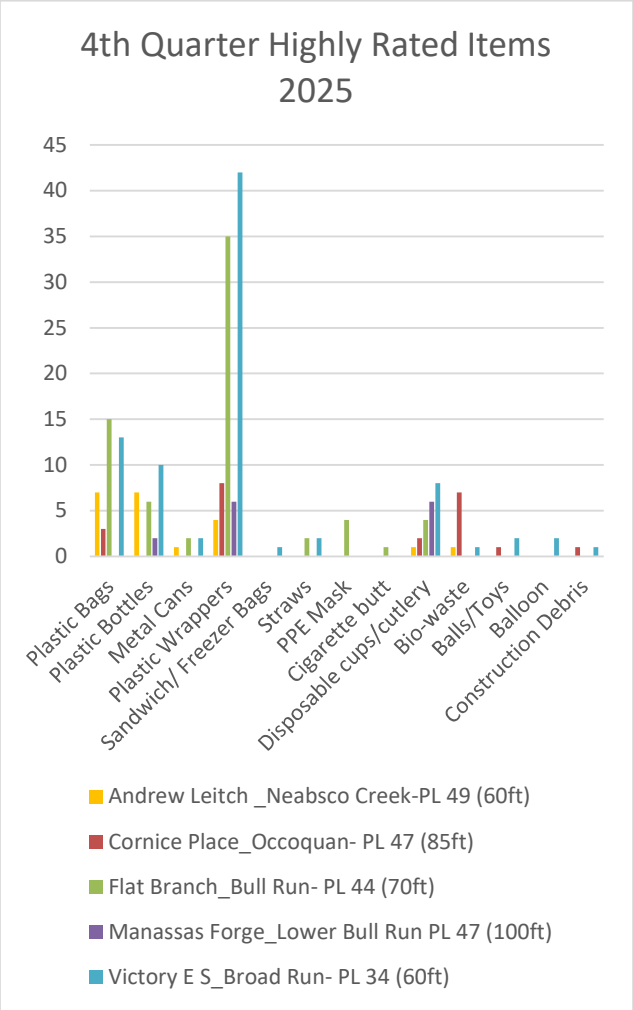


Figure 4. At the top of the list of floatable Items collected during the 4th Quarter were plastic bags, plastic wrappers, and Plastic bottles.

In the fourth Quarter of 2026, plastic wrappers, plastic bags, plastic bottles, and disposable food-related items were the most dominant floatable items at all the monitoring sites. However, Flat Branch had a significantly higher number of plastic wrappers.

Comparing the 4th Quarter of 2025 and 2026 Fiscal Year.

Comparing 2025 data to 2026 data, plastic bags and plastic wrappers dominated at all sites; however, the trend in floatable items collected in 2026 was very similar to 2025, with Flat Branch again recording the highest number of plastic wrappers, as in 2025.



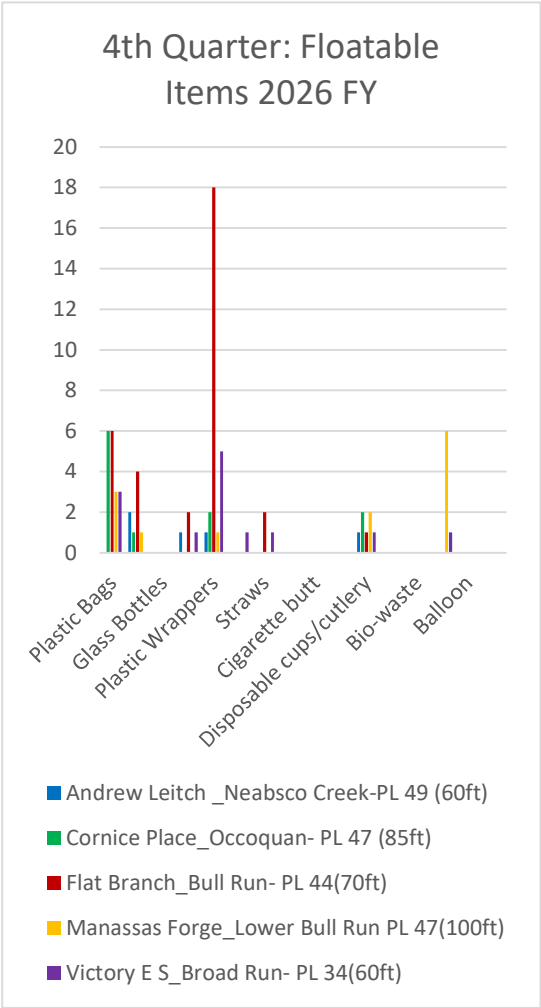


Figure 4a. ***Comparing the 4th Quarter of 2025 and 2026 Fiscal Year***

General Analysis of Floatable Items Collected in 2026

PHASES

This report covers five sites that are monitored quarterly for plastic floatable items: Phase I (July 2025 to September 2025), Phase II (October 2025 to December 2025), Phase III (January 2026 to March 2026), and Phase IV (April 2026 to June 2026).

The 2026 data, like the previous years, showed plastic wrappers and plastic bags as the dominant floatable items in local waterways in Prince William County. Plastic bottles ranked third, with disposable plastic food items fourth. Compared with previous years, plastic bottles decreased in local waterways. Toys and straws were also significant.

Construction debris was noted at all sites, likely due to increased construction activity. Overall, the 2026 monitored items under the Prince William County Floatable Monitoring can be rated, as shown in the table below.

Items	***Rating (Top 10 items)***	***Comments/Field Observation***
Plastic Wrappers	*1st Position*	*Most dominant of all types. Snack wrappers are significant overall.*
Plastic bags	*2nd position*	*Very high, especially the T-shirt bags from different businesses*
Plastic Bottles	*3rd Position*	*Dominated by plastic water bottles, followed by beverage bottles.*
Disposable food items	*4th Position*	*Significantly high and branded*
Toys	*5th Position*	*A very significant observation*
Straws	*6th Position*	*Significant at most of the sites.*
Construction Debris	*7th Position*	*Increasing Construction Activities*
Sandwich/Freezer bags	*8th Position*	*Significant; mostly beverage cans*
Metal Cans	*9th Position*	*Significant*
Personal Protective Equipment (PPE)	*10th Position*	*An observation, although, with a decrease in the COVID-19 Pandemic*

Table 1. The trend of floatable items in Prince William County's Waterways.

Conclusion

This data shows that plastic wrappers, plastic bags, plastic bottles, and food disposables are the most collected items in PWC local waterways. Although their positions may change in the assessment table, they remain dominant. However, the number of floating bottles has significantly decreased compared to past years. Biowaste was also common in the Dawkin's Branch, which is related to the Broad Run Trail, as residents use the trail to walk their dogs.

Looking at the Dawkin's Branch site, which is close to the Victory Elementary School with a playground, the number of floatable items at this site increased significantly compared to previous years. This calls for more education, especially from school systems, to help address littering and the adverse effects of plastic on humans, aquatic life, and the environment.

Monitoring floatable plastic items helps present meaningful results to help address water quality and pollution challenges in Prince William County and the Potomac Watershed.

The overall number of floatable items collected from waterways during the 2026 Fiscal Year declined in total load compared to previous years. This general trend has also been noted in different cleanup locations under the Adopt-A-Stream/Pond Program. This shows Prince William County is making significant progress in promoting clean water awareness in the community and for future generations. This is reflected in the number of people and groups participating in the Adopt-A-Stream/Pond/River Program under the Prince William Soil and Water Conservation District.

More community engagement is needed to promote clean water awareness and help promote Prince William County's Green Community goals. This will help change societal behavior on littering. Efforts to tackle plastic pollution will also help reduce marine debris, promote clean water awareness, and uphold human health. Above all, these efforts will also promote and protect biodiversity in Chesapeake Bay and its watersheds.

Appendix Z

Retrofit/BMP Project Reduction

Calculation Sheets

Chinn Park	**Stream Restoration**	**Status:**	**Completed**
2,548	Includes Main Stem, Tributary 1 US + DS, & Tributary 2		

1 Calculate POC Reductions

	Nitrogen (lbs/yr)	Phosphorous (lbs/yr)	TSS (lbs/yr) - Coastal	
100% Load Reduction Estimates (lbs/yr)	381.52	102.24	1,196,340.00	
Percent Efficiency	0.85			<- Estimate to be updated after 1st monitoring yr
Initial POC Reductions	**324.29**	**86.90**	**1,016,889.00**	

2 Characterize the Drainage Area

	Urban Impervious Acres	Urban Pervious Acres	Forested Acres	Total Urban Acres	Total Acres
PW Regulated Land	6.14	3.91	2.93	10.05	12.98
Other Regulated Land	0.00	0.00	0.00	0.00	0.00
Total Regulated Land	6.14	3.91	2.93	10.05	12.98
Total Unregulated Land	6.15	12.86	23.00	19.01	42.01
	12.29	**16.77**	**25.93**	**29.06**	**54.99**
	0.223495181	0.304964539	0.47154028		

3 Compute Ratios and Calculate Proportional Reductions by Land Use

	Regulated Area	Unregulated Area	Forested Acres	Total Credit	Total Check
Ratio	**18.28%**	**34.57%**	**47.15%**		100.00%
TN (lbs) Reduction	59.27	112.11	152.92	**324.29**	
TP (lbs) Reduction	15.88	30.04	40.98	**86.90**	
TSS (lbs) Reduction	185,847.14	351,537.73	479,504.12	**1,016,889.00**	

4 Account for Total Baseline Reductions on Unregulated Land

Urban Land Use	POC	Required 5% Load Reductions (lbs/acre/yr)	Baseline Loading Rate (*20)	Acres	Baseline Reduction (lbs/yr)
Impervious	TN	0.07587000	1.51740000	6.15	9.33
Pervious	TN	0.03021000	0.60420000	12.86	7.77
Impervious	TP	0.01296000	0.25920000	6.15	1.59
Pervious	TP	0.00148625	0.02972500	12.86	0.38
Impervious	TSS	11.71320000	234.26400000	6.15	1,440.72
Pervious	TSS	0.76912500	15.38250000	12.86	197.82

5 Calculate Total Reductions Minus Required Baseline

	Nitrogen (lbs/yr)	Phosphorous (lbs/yr)	TSS (lbs/yr) - Coastal
Credit for Unregulated Areas	112.11	30.04	351,537.73
Minus Unregulated Impervious Baseline	9.33	1.59	1,440.72
Minus Unregulated Pervious Baseline	7.77	0.38	197.82
Credit for Unregulated Areas	95.01	28.07	349,899.19
Credit for Regulated Areas	59.27	15.88	185,847.14
Credit for Forested Areas	152.92	40.98	479,504.12
Total Reductions Claimed	**307.19**	**84.93**	**1,015,250.46**

6 Reduction Summary Table

Project Name	BMP Type	Lat	Long	TN (lbs/yr)	TP (lbs/yr)	TSS (lbs/yr)
Chinn Park	Stream Restoration	38.66978	-77.32693	307.19	84.93	1,015,250.46

SWM Facility #5749 **CMAC**
Chinn Park SWMP

1 Determine existing published efficency

BMP Type	Source	TN	TP	TSS
Dry Detention Pond	CBP	5%	10%	10%

2 Apply downward modification to BMP Efficiency

Facilty Name	BMP Type	Lat	Long	Modification Type	Downward Modification Applied
SWM Facility #5749	Dry Detention Pond	38.67071	-77.32293	No sediment forebay	-10%
				Short circuiting	0%
				No micropool	-10%
				Total	**-20%**

3 Calculate modified existing efficiency

		TN	TP	TSS
Published Efficiency	Step 1	5%	10%	10%
Efficiency Modification	Step 2	-20%	-20%	-20%
Modified Efficiency		**4.00%**	**8.00%**	**8.00%**

4 Determine efficiency of proposed BMP Type

Source	BMP Type	TN	TP	TSS
Site-specific	CMAC	36.00%	57.00%	73.00%

Runoff storage (acre-feet)	2.68
Impervious acres	26.31
Runoff depth	**1.22**

Retrofit Equation Results

TN	36.67%
TP	57.62%
TSS	73.33%

5 Calculate Incremental Removal Rate

		TN	TP	TSS	
Removal Rate	CMAC	36.00%	57.00%	73.00%	Site-specific
Modified existing efficieny	Step 3	4.00%	8.00%	8.00%	
Incremental Removal Rate		**32.00%**	**49.00%**	**65.00%**	

6 Calculate Load Reduction

6a Characterize the Drainage Area

	Urban Impervious Acres	Pervious Acres	Forested Acres	Total
PWC Regulated Land	11.42	16.21	28.52	56.15
Other Regulated Land	9.62	2.88	0.03	12.53
Unregulated Land	3.50	21.28	55.87	80.65
	24.5400	**40.37**	**84.42**	**149.33**

6b Account for Total Baseline Reductions on Unregulated Land

	POC	Required 5% Load Reductions	Baseline Loading Rate (*20)	Acres	Reduction
Unregulated Impervious	TN	0.07587000	1.51740000	3.50	5.31
Unregulated Pervious	TN	0.03021000	0.60420000	21.28	12.86
Unregulated Impervious	TP	0.01296000	0.25920000	3.50	0.91
Unregulated Pervious	TP	0.00148625	0.02972500	21.28	0.63
Unregulated Impervious	TSS	11.71320000	234.26400000	3.50	819.92
Unregulated Pervious	TSS	0.76912500	15.38250000	21.28	327.34

6c Calculate Total Load Reduction

Land Use	Pollutant	2009 EOS Loading Rate (lbs/acre/yr)	DA	Load	Efficiency	Initial Reduction	Baseline	Total Reduction	Sub-total/POC
Urban Impervious	Nitrogen	16.86	24.54	413.74	32.00%	132.40	5.31	127.09	
Urban Pervious	Nitrogen	10.07	40.37	406.53	32.00%	130.09	12.86	117.23	**387.22**
Forest	Nitrogen	5.29	84.42	446.58	32.00%	142.91	0.00	142.91	
Urban Impervious	Phosphorus	1.62	24.54	39.75	49.00%	19.48	0.91	18.57	
Urban Pervious	Phosphorus	0.41	40.37	16.55	49.00%	8.11	0.63	7.48	**31.43**
Forest	Phosphorus	0.13	84.42	10.97	49.00%	5.38	0.00	5.38	
Urban Impervious	Total Suspended Solids	1,171.32	24.54	28,744.19	65.00%	18,683.73	819.92	17,863.80	
Urban Pervious	Total Suspended Solids	175.80	40.37	7,097.05	65.00%	4,613.08	327.34	4,285.74	**26,534.44**
Forest	Total Suspended Solids	79.91	84.42	6,746.00	65.00%	4,384.90	0.00	4,384.90	

7 Reduction Summary Table

Project Name	BMP Type	Lat	Long	TN (lbs/yr)	TP (lbs/yr)	TSS (lbs/yr)
SWM Facility #5749	CMAC	38.67071	-77.32293	387.22	31.43	26,534.44

Appendix AA

Local TMDL Action Plan Implementation

Benthic TMDL Action Plan

The Benthic TMDL Action Plan includes stream restoration projects, reforestations (LUC), and stormwater retrofit projects completed in the Bull Run Watershed. The following table summarizes the projects that have been completed as well as planned projects.

Project Name	Project Type	Status	TSS Reduction (lbs/yr)
Ben Lomond Park Area A	Reforestation	Completed	19.94
Ben Lomond Park Area C	Reforestation	Completed	30.58
Ben Lomond Park Area B	Reforestation	Completed	506.58
Sudley Place Reforestation	Reforestation	Completed	421.48
Ben Lomond Park Area D	Reforestation	Completed	15.96
Garner Drive	Reforestation	Completed	53.18
Lake Drive Reforestation	Reforestation	Completed	132.96
SWM Facility #99	Retrofit	Completed	3,364.40
Oak Street	Stream Restoration	Completed	1,806.18
SWM Facility #77	Retrofit	Completed	1,323.13
SWM Facility #386	Retrofit	Completed	8,314.92
		Total Completed	**15,989.30**
SWM Facility #416	Retrofit	Implementation	31,741
Mayhew Park Stream Restoration	Stream Restoration	Implementation	926,400
		Total Planned	**958,141**

The status of other implementation items from the Benthic TMDL Action Plan are summarized below:

Implementation Item	Description	Implementation Status
MS4 Program Plan	The County will continue to implement the MS4 Program Plan, including elements related to sediment, in accordance with the schedule provided for in the MS4 Program Plan.	The County continues to implement its MS4 Program Plan.
Chesapeake Bay TMDL Action Plan	The County will continue to leverage the projects selected to meet the Chesapeake Bay TMDL Action Plan to reduce sediment in the Bull Run watershed. The County will include whether a project will help meet Bull Run sediment load reductions in its project selection prioritization process.	The County continues to implement the Chesapeake Bay TMDL Action Plan. A summary of this can be found in Appendix S of the MS4 Annual Report.
County Owned or Operated Property	The County will consider potential retrofits of property assessed in Appendix A of the Benthic TMDL Action Plan for inclusion in lists of projects to meet the Chesapeake Bay TMDL. The County will address minor erosion issues identified during the assessment of properties as described in Appendix A.	Projects currently planned for implementation: • SWM Facility #416 Retrofit • Mayhew Park Stream Restoration
Redevelopment	The County will continue to enforce provisions that require redevelopment to reduce phosphorus from existing conditions (20% one acre and greater; 20% less than one acre). Reductions in phosphorus also result in reductions in sediment.	The County continues to implement and enforce Prince William County's Design and Construction Standards Manual (DCSM).
Enhanced Education, Outreach, and Training	The County will continue to implement enhanced education, outreach, and training for sediment in accordance with the MS4 permit and the MS4 Program Plan.	The County is implementing its enhanced education, outreach and training for sediment in accordance with the MS4 Program Plan.

Bacteria TMDL Action Plan

The status of implementation items from the Bacteria TMDL Action Plan are summarized below:

Source	Strategies (BMP's)	Implementation Status
Illicit Discharges to the MS4	The permit requires that discharges to the MS4 not authorized by the permit shall be effectively prohibited.	The County will continue to implement and enforce relevant parts of the Prince William County Code, including Fire Protection, Zoning, Building Development, and Stormwater Management.
Illicit Connections	The permit requires the County to continue implementing a program to minimize the exfiltration from the sanitary system to the MS4.	Prince William County will continue to work with PWW personnel to identify and mitigate sanitary sewer issues. PWW provides applicable reporting measures to the County.
Illicit Discharges to the MS4	The permit requires the County to locate and eliminate illicit discharges through periodic inspection programs, public outreach initiatives, and staff training.	The County implements a program to locate and eliminate illicit discharges. A summary of dry weather outfall inspections can be found in Appendix M of the MS4 Annual Report.
Illicit Discharges to the MS4	The permit requires the County to promote the reporting and identification of illicit discharges and enhance public education on pollutants of concern.	The County's Clean Water Program is a public outreach initiative with the goal of improving water quality within Prince William County through public outreach initiatives encouraging public awareness of water quality and environmental issues. The Clean Water Program Annual Report can be found in Appendix K of the MS4 Annual Report. The Public Outreach Summary can be found in Appendix X of the same report.

All Sources	The permit requires the County to increase public participation in local water quality improvement projects.	The County works with volunteer organizations to promote public involvement in water quality improvement projects as detailed in the Clean Water Program in Appendix 12 of the County's MS4 Program Plan. Through this program, Public Works provides funding to the Occoquan Watershed Monitoring Lab for water monitoring programs. The annual reports for the County's community partners can be found in Appendix K of the MS4 Annual Report.
Domestic Pets	The permit requires the County to promote and publicize the proper disposal of pet waste.	The County implements education on proper disposal of pet waste throughout the permit cycle through our partnership with Northern Virginia Regional Commission (NVRC) Clean Water Partners. A summary of The Clean Water Partner's campaigns can be found in Appendix K of the MS4 Annual Report.
Illicit Discharge to the MS4	The permit requires that the County, on a biennial basis, train all applicable staff in the identification and reporting of illicit discharges, good housekeeping practices, and spill prevention and response.	The County implements a training program in good housekeeping and pollution prevention practices, as well as illicit discharge recognition and reporting. A summary of County training program can be found in Appendix L of the MS4 Annual Report.

Dry Weather Urban Flows	The permit requires the County to inspect 25% of all outfalls discharging to the County's MS4 within the permit cycle.	The County currently implements a Dry Weather Monitoring program designed to detect the presence of illicit connections and unauthorized discharges. A summary of these activities can be found in Appendices G and M.
Illicit Discharge to the MS4	The permit requires the County to investigate areas that may be contributing excessive levels of pollutants to the MS4 during rain events through a Wet Weather Screening Program.	The County is implementing a Wet Weather Screening program as required in the permit. A summary of these activities can be found in Appendix N.
All Sources	The permit requires the County to develop an in-stream monitoring program.	The County will continue to monitor in-stream water quality at representative sites throughout the County. This monitoring includes testing for *E. coli*. A summary of these activities can be found in Appendix Q.
Septic Systems	The Prince William Health District regulates the requirements for the construction and maintenance of septic systems.	The Health District evaluates compliance with this section and with related state and County codes. When indicated by the facts, a violation of this may be charged. Prince William County continues to work with the Health District to mitigate septic discharges.

PCB TMDL Action Plan

The status of implementation items from the PCB TMDL Action Plan are summarized below:

Implementation Item	Description	Implementation Status
Enhanced training on good housekeeping and pollution prevention practices	Training materials were revised in PY3 of the last permit cycle to include information relevant to potential PCB sources and steps to take if a source of PCBs is discovered at a County-owned property. Implementation of this training began in PY4 of the last permit cycle as part of the ongoing biennial training program.	The online PWC University training materials were revised in FY22 to include information related to sources of PCB discharges. The County continues to implement the biennial training.
Enhanced training on recognition and reporting of illicit discharges by field personnel	The County's Illicit Discharge Identification and Elimination Program Manual was updated in PY3 of the last permit cycle to include information on potential sources of PCBs, safety precautions and notifications.	The Illicit Discharge Identification and Elimination (IDDE) Program Manual was revised in FY22 to include information related to sources of PCB discharges. The County has continued implementing the requirements of the updated IDDE Manual.