



Loudoun County, Virginia

Department of General Services

801 Sycolin Road, S.E., Suite 300, Leesburg, VA 20175

703/771-5552 Metro: 703/478-1850 (Extension 5552) Fax: 703/771-5553

September 30, 2022

Commonwealth of Virginia
Department of Environmental Quality
Northern Regional Office
13901 Crown Ct.
Woodbridge, VA 22193

Re: VPDES General Permit for Small Municipal Separate Storm Sewer Systems;
Permit Number: VAR040067

Submitted in accordance with permit requirements is the Permit Year 4 Annual Report;
Reporting Period: July 1, 2021 – June 30, 2022.

“Certification” of the report is included immediately following the title page. A copy of the Delegation of Authority by the County Administrator to certify such reports is enclosed herewith.

Ernest N. Brown
Director
Department of General Services

Enclosures:

1. Permit Year 3 Annual Report, July 1, 2021 – June 30, 2022, Permit Number: VAR040067

**VIRGINIA GENERAL VPDES PERMIT FOR DISCHARGES FROM
SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEMS
PERMIT NUMBER: VAR040067**

LOUDOUN COUNTY, VIRGINIA

**Permit Year 4 Annual Report
Reporting Period: July 1, 2021 – June 30, 2022**



Submitted October 1, 2022

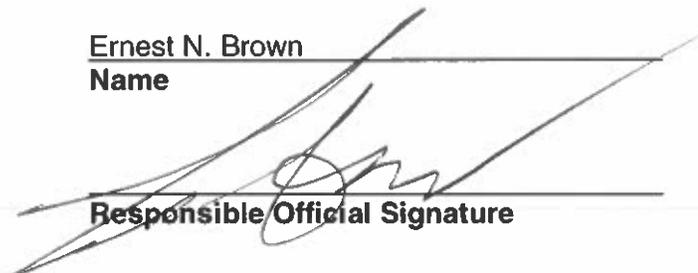
**Loudoun County
Department of General Services
801 Sycolin Road, S.E., Suite 300
P.O. Box 7100
Leesburg, VA 20177
703-771-5552**

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.

Ernest N. Brown
Name

Director, Department of General Services
Title


Responsible Official Signature

2356P2023
Date

VAR040067
Permit Number

Loudoun County
MS4 Name

COUNTY OF LOUDOUN



OFFICE OF THE COUNTY ADMINISTRATOR

Memorandum

Date: January 4, 2016
To: Ernest Brown
From: Tim Hemstreet *TH*
Subject: Delegation of Authority – Real Property Administration

Section 15.2-1541 of the Code of Virginia states that I am "responsible ...for the proper management of all the affairs of the locality which the governing body has authority to control." That section also authorizes me to "see that all ordinances, resolutions, directives and order of the governing body and all laws of the Commonwealth required to be enforced through the governing body or officers subject to the control of the governing body are faithfully executed." Effective immediately I designate you as my agent to sign routine actions related to real property owned by Loudoun County including, but not limited to:

- Land Development Applications where the signature of the County, as Property Owner, is required;
- Zoning and Building Permit Applications where the signature of the County, as Property Owner, is required;
- Drawings, plats and surveys where the signature of the County, as Property Owner, is required;
- Temporary easements, rights-of-entry or other documents that do not require specific action to be taken by the Board of Supervisors;
- Leases for property that do not require specific action to be taken by the Board; and
- Other documents considered routine and correct as to form by the County Attorney.

Further, I designate you as my agent to negotiate, sign and administer leases within the framework of the Board of Supervisors' Purchasing Policy.

Table of Contents

DEQ Annual Report Crosswalk 5

Part I: Discharge Authorization and Special Conditions..... 10

 BMP A: Develop an MS4 Program Plan..... 10

 BMP B: MS4 Program Plan Development Schedule 10

 BMP C: Revisions to the MS4 Program Plan 10

 BMP D: Develop and Submit an Annual Report to DEQ..... 11

 BMP E: Evaluate Effectiveness of Program BMPs..... 11

 BMP F: Status Report on the Implementation of the Chesapeake Bay TMDL Action Plan 12

 BMP G: Status Report on the Implementation of the Local TMDL Action Plans 16

MCM 1: Public Education and Outreach BMPs 19

 BMP 1A: Revise the Public Education and Outreach Program 19

 BMP 1B: Selection of the High-Priority Stormwater Issues 19

 BMP 1C: Elements to Include in the PEOB 20

 BMP 1D: Communicate High-Priority Stormwater Issues 21

 Traditional Written Materials 21

 Media Materials..... 22

MCM 2: Public Involvement and Participation BMPs 23

 BMP 2A: Public Involvement and Participation Procedures 23

 BMP 2B: Develop and Maintain a Stormwater Website..... 24

 BMP 2C: Public Involvement Opportunities 24

MCM 3: Illicit Discharge Detection and Elimination 27

 BMP 3A: Develop an Accurate MS4 Map 27

 BMP 3B: Maintain MS4 Outfall Data Information Table..... 27

 BMP 3C: Notification to Downstream MS4 Permit Holders of Interconnections. 28

 BMP 3D: Written IDDE Procedures 28

 BMP 3E: Conduct System Screening for Illicit Discharge Detection..... 29

 BMP 3F: Investigate and Address Illicit Discharges 30

MCM 4: Construction Site Stormwater Runoff Control..... 31

 BMP 4A: Administer County E&S Program 31

 BMP 4B: MCM 4 Items to Include in the Program Plan 32

 BMP 4C: MCM 4 Items to Include in the Annual Report 32

MCM 5: Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands..... 33

BMP 5A: Administer County VSMP Program	33
BMP 5B: Develop and Maintain Written Inspection and Maintenance Procedures for Stormwater BMPs	33
BMP 5C: Inspect Permanent Post-Construction Stormwater BMPs.....	33
BMP 5D: Provide Long-Term Maintenance for Operator-Owned BMPs.....	34
BMP 5E: Require Adequate Long-Term Maintenance for Privately Maintained BMPs	34
BMP 5F: Maintain an Electronic Database of All Permanent Stormwater Management Facilities	35
BMP 6: Pollution Prevention/Good Housekeeping for Municipal Operations	36
BMP 6A: Maintain and Implement Written Procedures	36
BMP 6B: Develop and Implement SWPPPs for Identified “High Priority” Facilities	37
BMP 6C: Annual Review for New County Owned or Operated “High Priority” Facilities...	39
BMP 6D: SWPPP Review after Reports of Unauthorized Discharges.....	39
BMP 6E: Maintain and Implement Turf and Landscape Nutrient Management Plans.....	40
BMP 6F: Prohibition on the Use of Deicing Agents Containing Nitrogen or Phosphorus	42
BMP 6G: Require Municipal Contractors to Use Appropriate Control Measures and Procedures for Stormwater Discharges	42
BMP 6H: Develop a Training Plan Associated with Stormwater.....	43

List of Tables

Table 1: Summary of Status Towards Reaching the 40% Pollution Reductions	15
Table 2: Status of Bacteria TMDL - Permit Year 4.....	17
Table 4: Summary of Land-Disturbing Activities - Permit Year 3	31
Table 5: List of Standard Operating Procedures.....	36

List of Figures

Figure 1: MS4 General Permit Table 1.....	21
Figure 2: MS4 General Permit Table 2.....	24

Appendices

Appendix A: Loudoun County MS4 Program Plan
Appendix B: Program Plan BMP Evaluation and MS4 Program Audit
Appendix C: Nutrient Credit Purchases
Appendix D: Clean Water Partners Summary
Appendix E: Outfall Data Table
Appendix F: Dry Weather Screening – Year 4
Appendix G: IDDE Investigation Summary
Appendix H: Erosion and Sedimentation
Appendix I: VSMP Statement
Appendix J: BMP Inspection Summary – Year 4
Appendix K: Training

DEQ Annual Report Crosswalk

This crosswalk is provided to aid in checking compliance with the MS4 General Permit.

9VAC25-890-40. General permit.			Loudoun County		
Location	Language	Note	Annual Report Section	Page	Notes
D. Annual reporting requirements					
D.1.	The permittee shall submit an annual report to the department no later than October 1 of each year in a format as specified by the department. The report shall cover the previous year from July 1 to June 30.		NA	NA	See Report.
D.2.	The annual report shall include the following general information:		BMP D	11	
D.2.a.	The permittee, system name, and permit number		Report Cover	NA	
D.2.b.	The reporting period for which the annual report is being submitted		Report Cover	NA	
D.2.c.	A signed certification as per Part III K		Certification Page	2	
D.2.d.	Each annual reporting item as specified in the MCM in Part I E		NA	NA	
D.2.e.	An evaluation of the MS4 program implementation, including a review of each MCM, to determine the MS4 program's effectiveness and whether or not changes to the MS4 Program Plan are necessary.		BMP E	11	
D.3.	For permittees receiving initial coverage under this general VPDES permit for the discharge of stormwater, the annual report shall include a status update on each component of the MS4 Program Plan being developed. Once the MS4 Program Plan has been updated to include implementation of a specific MCM in Part I E, the permittee shall follow the reporting requirements established in Part I D 2.		NA	NA	This permit section does not apply to Loudoun County.
D.4.	For those permittees with requirements established under Part II A, the annual report shall include a status report on the implementation of the Chesapeake Bay TMDL action plan in accordance with Part II A of this permit including any revisions to the plan.		BMP F	12	
D.5.	For those permittees with requirements established under Part II B, the annual report shall include a status report on the implementation of the local TMDL action plans in accordance with Part II B including any revisions of the plan.		BMP G	16	

9VAC25-890-40. General permit.			Loudoun County		
Location	Language	Note	Annual Report Section	Page	Notes
D.6.	For the purposes of this permit, the MS4 Program Plan and annual report shall be maintained separately and submitted to the department as required by this permit as two separate documents.		NA	NA	Program Plan and AR are maintained as separate documents and are available upon request.
E. Minimum Control Measures					
E.1.g.	The annual report shall include the following information:	Public Education and Outreach			
E.1.g.(1)	A list of the high-priority stormwater issues the permittee addressed in the public education and outreach program plan		BMP 1B	19	
E.1.g.(2)	A list of strategies used to communicate each high-priority stormwater issue.		BMP 1D	21	
E.2.f.	The annual report shall include the following information:	Public Participation			
E.2.f.(1)	A summary of any public input on the MS4 program received [(including stormwater complaints) and how the permittee responded		BMP 2A	23	
E.2.f.(2)	A webpage address to the permittee's MS4 program and stormwater website		BMP 2B	24	
E.2.f.(3)	A description of the public involvement activities implemented by the permittee		BMP 2C	24	
E.2.f.(4)	A report of the metric as defined for each activity and an evaluation as to whether or not the activity is beneficial to improving water quality		BMP 2C	24	
E.2.f.(5)	The name of other MS4 permittees with whom the permittee collaborated in the public involvement opportunities		NA	NA	The county did not collaborate with any other MS4 permittees.
E.3.e.	The annual report shall include:	IDDE			
E.3.e.(1)	A confirmation statement that the MS4 map and information table have been updated to reflect any changes to the MS4 occurring on or before June 30 of the reporting year		BMP 3A	27	

9VAC25-890-40. General permit.			Loudoun County		
Location	Language	Note	Annual Report Section	Page	Notes
E.3.e.(2)	The total number of outfalls screened during the reporting period as part of the dry weather screening program		BMP 3E	29	
E.3.e.(3)	A list of illicit discharges to the MS4 including spills reaching the MS4 with information as follows:				
E.3.e.(3)(a)	The source of illicit discharge		BMP 3F	30	
E.3.e.(3)(b)	The date or dates that the discharge was observed, reported, or both		BMP 3F	30	
E.3.e.(3)(c)	Whether the discharge was discovered by the permittee during dry weather screening, reported by the public, or other method (describe)		BMP 3F	30	
E.3.e.(3)(d)	How the investigation was resolved		BMP 3F	30	
E.3.e.(3)(e)	A description of any follow-up activities		BMP 3F	30	
E.3.e.(3)(f)	The date the investigation was closed		BMP 3F	30	
E.4.d.	The annual report shall include the following:	Construction Stormwater			
E.4.d.(1)	If the permittee implements a construction site stormwater runoff program in accordance with Part I E 4 a (3):		BMP 4A	31	
E.4.d.(1)(a)	A confirmation statement that land disturbing projects that occurred during the reporting period have been conducted in accordance with the current department approved standards and specifications for erosion and sediment control; and		BMP 4A	31	
E.4.d.(1)(b)	If one or more of the land disturbing projects were not conducted with the department approved standards and specifications, an explanation as to why the projects did not conform to the approved standards and specifications.		BMP 4A	31	
E.4.d.(2)	Total number of inspection conducted; and		BMP 4A	31	
E.4.d.(3)	The total number and type of enforcement actions implemented and the type of enforcement actions.		BMP 4A	31	
E.5.i.	The annual report shall include the following information:	Post-Development			
E.5.i.(1)	If the permittee implements a VSMP in accordance with Part I E 5 1 (1) and (2):		BMP 5E	34	
E.5.i.(1)(a)	The number of privately owned stormwater management facility inspections conducted; and		BMP 5E	34	

9VAC25-890-40. General permit.			Loudoun County		
Location	Language	Note	Annual Report Section	Page	Notes
E.5.i.(1)(b)	The number of enforcement actions initiated by the permittee to ensure long-term maintenance of privately owned stormwater management facilities including the type of enforcement action		BMP 5E	34	
E.5.i.(2)	Total number of inspections conducted on stormwater management facilities owned or operated by the permittee;		BMP 5C	33	
E.5.i.(3)	A description of the significant maintenance, repair, or retrofit activities performed on the stormwater management facilities owned or operated by the permittee to ensure it continues to perform as designed. This does not include routine activities such as grass mowing or trash collection;		BMP 5D	34	
E.5.i.(4)	A confirmation statement that the permittee submitted stormwater management facility information through the Virginia Construction Stormwater General Permit database for those land disturbing activities for which the permittee was required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities in accordance with Part I E 5 f or a statement that the permittee did not complete any projects requiring coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities; and		BMP 5A	33	
E.5.i.(5)	A confirmation statement that the permittee electronically reported BMPs using the DEQ BMP Warehouse in accordance with Part I E 5 g and the date on which the information was submitted.		BMP 5F	35	
E.6.q.	The annual report shall include the following:	Good Housekeeping/Pollution Prevention			
E.6.q.(1)	A summary of any operational procedures developed or modified in accordance with Part I E 6 a during the reporting period;		BMP 6A	36	
E.6.q.(2)	A summary of any new SWPPPs developed in accordance Part I E 6 c during the reporting period;		BMP 6B	37	
E.6.q.(3)	A summary of any SWPPPs modified in accordance with Part I E 6 f or the rationale of any high priority facilities delisted in accordance with Part I E 6 h during the reporting period;		BMP 6B	37	
E.6.q.(4)	A summary of any new turf and landscape nutrient management plans developed that includes:		BMP 6E	40	
E.6.q.(4)(a)	Location and the total acreage of each land area; and		BMP 6E	40	

9VAC25-890-40. General permit.			Loudoun County		
Location	Language	Note	Annual Report Section	Page	Notes
E.6.q.(4)(b)	The date of the approved nutrient management plan; and		BMP 6E	40	
E.6.q.(5)	A list of the training events conducted in accordance with Part I E 6 m, including the following information:		BMP 6H	43	
E.6.q.(5)(a)	The date of the training event;		BMP 6H	43	
E.6.q.(5)(b)	The number of employees who attended the training event; and		BMP 6H	43	
E.6.q.(5)(c)	The objective of the training event		BMP 6H	43	
Part II. TMDL Special Conditions			BMP 6H	43	
A.	Chesapeake Bay TMDL special condition.				
A.13.	For each reporting period, the corresponding annual report shall include the following information:				
A.13.a.	A list of BMPs implemented during the reporting period but not reported to the DEQ BMP Warehouse in accordance with Part I E 5 g and the estimated reduction of pollutants of concern achieved by each and reported in pounds per year;		BMP F	12	
A.13.b.	If the permittee acquired credits during the reporting period to meet all of a portion of the required reductions in Part II A 3, A 4, or A 5, a statement that credits were acquired;		BMP F	12	
A.13.c.	The progress, using the final design efficiency of the BMPs, toward meeting the required cumulative reductions for total nitrogen, total phosphorus, and total suspended solids; and		BMP F	13	
A.13.d.	A list of BMPs that are planned to be implemented during the next reporting period.		BMP F	12	
B.	Local TMDL special condition				
B.9.	For each reporting period, each annual report shall include a summary of actions conducted to implement each local TMDL action plan.		BMP G	16	
C.	Reporting monitoring results.		NA	NA	
C.1	The operator shall submit the results of the monitoring as may be performed in accordance with this state permit with the annual report unless another reporting schedule is specified elsewhere in this permit.		NA	NA	

Part I: Discharge Authorization and Special Conditions

Part I of the MS4 General permit requires the MS4 operator to develop an MS4 Program Plan (Part 1 C), develop and submit an Annual MS4 Report (Part 1 D), and comply with the 6 Minimum Control Measures (Part 1 E). The following sections of this annual report show how Loudoun County satisfied these permit conditions for the reporting period July 1, 2021, to June 30, 2022 (Year 4).

BMP A: Develop an MS4 Program Plan

Permit Section: Part I C1

Loudoun County developed and implemented an MS4 Program Plan that includes all permit parameters.

The Program Plan is dated May 1, 2019, and was posted to the Loudoun County stormwater website prior to May 30, 2019. A copy of the Program Plan was provided in Year 1 annual report.

BMP Status: This BMP is complete.

BMP B: MS4 Program Plan Development Schedule

Permit Section: Part I C3

Loudoun County was previously covered under the General VPDES Permit that was effective July 1, 2013. Therefore, Loudoun County was required under this section to develop a revised MS4 Program Plan no later than six months after the effective date of the current MS4 permit (May 1, 2019), and to post the revised Program Plan to the website within 30 days of completion.

The revised Program Plan was dated May 1, 2019 and posted to the Loudoun County stormwater website prior to May 30, 2019.

BMP Status: This BMP is complete.

BMP C: Revisions to the MS4 Program Plan

Permit Section: Part I C4

The Program Plan shall be reviewed annually to ensure that all the BMPs are still achieving their intended goals. All Program Plan changes will be summarized in the annual report and the Program Plan amended as needed.

In Year 1 the Program Plan was updated. Each following permit year, the Program Plan will be reviewed and all updates shall be summarized in the annual report.

In Year 4, the Program Plan was reviewed. The Program Plan was updated based on the review and based on comments received during the DEQ Audit. See Appendix A for the updated Program Plan, dated November 29, 2021 (version 4).

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP D: Develop and Submit an Annual Report to DEQ

Permit Section: Part I D1, D2, D3, and D4

Loudoun County will develop an MS4 Annual Report that summarizes permit compliance for the permit period; July 1 through June 30. The Annual Report will be submitted to DEQ by October 1 of each permit year.

This report satisfies this requirement.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP E: Evaluate Effectiveness of Program BMPs

Permit Section: Part I D2(e)

The County will ensure that, to the Maximum Extent Practicable (MEP), all program BMPs are achieving the objectives intended and to correct identified deficiencies and/or inefficiencies.

Each program BMP will be evaluated and critiqued annually to determine its effectiveness in achieving its stated objective, with recommendations for continuance or revision provided.

In Year 4, all the BMPs were evaluated and generally all the BMPs remained effective. The Program Plan was updated to reflect updates to some permit-required documents and some of our documents and procedures were updated. These details are discussed further in the appropriate sections of this report and summarized in Appendix B.

The Plan was also updated based on recommendations from the DEQ audit, which was conducted on September 21, 2021. A response to the audit findings was submitted to DEQ on November 29, 2021 (Appendix B).

It is noted that the county may need to make some changes because of impacts from the COVID-19 crisis. This will be reviewed in Year 5 and any changes noted in the annual report.

BMP Status: Year 1 activities complete.
 Year 2 activities complete.
 Year 3 activities complete.
 Year 4 activities complete.
 This BMP is ongoing.

BMP F: Status Report on the Implementation of the Chesapeake Bay TMDL Action Plan

Permit Section: Part I D4; Part II A13(a)

The annual report shall include a status report on the implementation of the Chesapeake Bay TMDL action plan in accordance with Part II A of the permit including any revisions to the plan.

The original Phase II Chesapeake Bay TMDL Action Plan was completed on November 1, 2019. The Phase II Action was updated during Year 4 to provide a revised list of proposed projects and an update of the calculation to reflect the DEQ Guidance Memo No. 20-2003. Public notice for the revised plan was published on February 1, 2022.

A copy of the plan is available on the Loudoun County Stormwater website ([link](#)) or by contacting the Department of General Services by phone (703.777.0117) or email (stormwater@loudoun.gov).

As outlined in Part II A13(a), for this reporting period, all BMPs implemented were reported to the DEQ BMP Warehouse.

During Permit Year 4, Loudoun County purchased 30 phosphorus credits as a means of achieving the required pollution reduction goals of the Chesapeake Bay TMDL (Appendix C).

The county continued working toward meeting the 40% pollution reduction requirements during Year 4 by working on the following BMPs:

1. Over-Treatment of stormwater management facilities. The county did not identify any BMPs with over treatment in Year 4. See summary table below for the total treatment for the permit cycle. We are currently not on track to meet the treatment goals for this portion of the action plan. We will be identifying additional projects to make up this short fall.

Permit Year	Reductions		
	TP / Yr	TN / Yr	TSS / Yr
Year 1	0	0	0
Year 2	0	0	0
Year 3	0	0	0
Year 4	0	0	0

- Stormwater retrofit projects. The county completed three retrofit projects that were provided in the Action Plan. These are summarized in the table below. In addition, in Year 4 the County purchased the West Park property, which was a 142-acre golf course, and placed the property into a conservation easement. The plan is for this property to become a passive recreational park. As part of this effort, the property will be analyzed for future retrofit potential.

Project Name	Project Type	Status	Reductions		
			TP / Yr	TN / Yr	TSS / Yr
Loudoun Valley Estates III	Constructed Wetland	Complete May 2020	23.5	208.9	10,465
Goose Creek Debris Removal	Stream Restoration	Complete September 2020	26.20	56.88	49,898.8
Yorktown Court	Pond Retrofit	Complete September 2021	3.76	73.78	9,468.56
Total			53.46	339.56	69,832.36

- Development of Nutrient Management Plans (NMP) outside of the MS4 (6.13 pounds TN, and 0.12 pounds of TP). The county has met 100% of this goal.
- Septic System Disconnects. The County will continue to take credit for septic disconnects. In Year 4, the County obtained a comprehensive list of septic system disconnects from the Loudoun County Health Department. The list included disconnects from January 1, 2006 through FY2021. The list was cross-checked with the County’s MS4 service area using GIS. This resulted in disconnects on parcels completely within the MS4, disconnects on parcels intersecting the MS4, disconnects on parcels outside of the MS4, and disconnects with unknown locations. DEQ has indicated that it may allow permittees to claim septic disconnect reductions outside of the MS4 with a baseline reduction. Further guidance from DEQ is pending. The County is taking a conservative approach for now and taking credit only for disconnects on parcels completely within or intersecting the MS4.

Permit Year	Reductions		
	TP / Yr	TN / Yr	TSS / Yr
Year 1	0	538.65	0
Year 2	0	548.10	0
Year 3	0	160.65	0
Year 4	0	TBD*	0
Total	0	1,247.4	0

* The calculation for the Year 4 septic disconnects was not done. It will be calculated in Year and reported in the Year 5 annual report.

5. Nutrient Purchases. The county is on track to meet the TP goal for this BMP but is currently lagging in TN and TSS. The county will consider adding language to future nutrient credit purchase RFPs that will require a higher TN and TSS to TP ratio.

Permit Year	Reductions		
	TP / Yr	TN / Yr	TSS / Yr
Year 1	30	182.7	3,895
Year 2	30	193.8	2,711
Year 3	30	173.7	2,546.6
Year 4	30	98.28	47,811.62
Total	120	648.48	56,964.22

6. Landuse Changes. The table below summarizes the counties land conversion projects to date. There were no land conversion projects completed in Year 4.

Project Name	Project Type	Status	Acres	Reductions		
				TP / Yr	TN / Yr	TSS / Yr
South Riding	Turf to forest	Complete	2.0	1.1	21.5	398.9
Loudoun Valley Estates III	Turf to forest	Complete	1.0	0.5	6.3	1,150.0
Total			3.0	1.6	27.8	1,548.9

Table 1 below shows Loudoun County's progress toward reaching the required reductions for this permit cycle.

Table 1: Summary of Status Towards Reaching the 40% Pollution Reductions

	Total Nitrogen (lbs./year)	Total Phosphorus (lbs./year)	Total Suspended Solids(lbs./year)
Existing Source Reduction to Meet 40%	6,214.46	723.18	600,725.96
+ New Source Offsets	-	-	-
+ Grandfathered Offsets	-	-	-
+ Total Required Reductions and Offsets	6,214.46	723.18	600,725.96
- BMPS Prior to July 1, 2020	3,074.64	596.18	405,606.33
- Over-Treatment of stormwater management facilities	0	0	0
- Stormwater retrofit projects	339.56	53.46	69,832.36
- Development of NMP outside of the MS4	6.13	0.12	0
- Septic System Disconnects	1,247.40	0	0
- Nutrient Credit Purchase	648.48	120.0	59,964.22
- Landuse Changes	27.8	1.6	1,548.9
= Remainder/(Excess) Toward 40% Target	870.45	(48.18)	66,774.15

The following BMPs are planned for the next reporting period:

1. Over-Treatment of stormwater management facilities. The county will evaluate this BMP in Year 5 to see if it will remain part the TMDL Action Plan.
2. Stormwater retrofit projects
 - a. Countryside Stream Restoration. Construction is planned for Year 5.
 - b. Countryside Outfall Restoration. Construction Planned for Year 5.
 - c. MD1745, dry pond to constructed wetland retrofit. Construction is planned for Year 5.
 - d. Confluence Park Outfall Restoration. Construction planned for Year 5.
 - e. Conklin Park Stream Restoration. Design planned for Year 5.
 - f. Conklin Park Retrofit – JC77. Design planned for Year 5.
 - g. Conklin Park Retrofit – XX267. Design planned for Year 5.
 - h. Church Road Erosion Repair. Construction planned for Year 5.
 - i. Bettis Drive Channel Repair. Construction planned for Year 5.
 - j. Rostormel Outfall Restoration. Construction Planned for Year 5.
 - k. Willow Lake Retrofit. Design is planned for Year 5.

- I. Willow Lake Repair. Construction is planned for Year 5.
3. Development of Nutrient Management Plans (NMP) outside of the MS4. We will continue to look for opportunities for additional nutrient management plans.
4. Septic System Disconnects. The county will continue to evaluate this goal in Year 5.
5. Nutrient Purchases. Loudoun County is planning to purchase at least 30 phosphorus with associated nitrogen and TSS credits in Year 5.
6. Landuse Changes. The county will continue to look these opportunities.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activates complete.
This BMP is ongoing.

BMP G: Status Report on the Implementation of the Local TMDL Action Plans

Permit Section: Part I, D5

As outlined in the MS4 4 permit, the local TMDL action plan was required to be updated and submitted to DEQ no later than May 1, 2020. In addition, there was a requirement to make the plan available for public comment no less than 15 days prior to submittal to DEQ. The revised plan was submitted to DEQ on May 1, 2020. The draft plan was posted to the stormwater website on April 16, 2020, and the public was given the opportunity to provide comments on the plan.

The local TMDL action plan was updated on October 31, 2021, in response to comments that were received from DEQ on September 17, 2021.

A copy of the plan is available on the Loudoun County Stormwater website ([link](#)) or by contacting the Department of General Services by phone (703.777.0117) or email (stormwater@loudoun.gov).

In Year 4, the county completed a review of county facilities that might be a significant source of pollutants. The finding area document in the *Loudoun County Total Maximum Daily Load (TMDL) Municipal Facility Assessments*, dated June 2022. A copy of this report is available by contacting the Department of General Services by phone (703.777.0117) or email (stormwater@loudoun.gov).

The Local TMDL Action Plan identifies the following actions:

Sediment Reductions

Goose Creek

Murray's Ford Bridge Project	Complete
Phil Bolen Stream Restoration	Dropped
Goose Creek Bridge Removal Project (this project replaced the Phil Bolen project)	Complete
Landuse Change at the Landfill	Complete

Bull Run

Conklin Park Retrofit (JC77)	Design Year 5
Conklin Park Retrofit (farm pond)	Planned Next Permit
Conklin Park Stream Restoration	Construction Year 5
Dulles South Retrofit	Planned Next Permit
Lightridge HS Stream Restoration	Design Year 5

Bacteria Reductions

The Bull run segment identified in the TMDL was delisted as an impairment for bacteria. The segment remains delisted as of the 2018 Virginia Water Quality Assessment. Therefore, the strategies outlined in the TMDL Action Plan are designed to prevent re-listing of the impairment.

The table below (Table 2), from the action plan, identifies a series of action items, the schedule for these actions and a summary of actions taken in Year 4.

Table 2: Status of Bacteria TMDL - Permit Year 4

Action Item	Description	Schedule	Year 2 Summary
Public Education and Action Plan	<ul style="list-style-type: none"> 4.1.1 – Distribute English and Spanish versions of the “Scoop the Poop” brochure. 4.1.2 – Participate in the Northern Virginia Clean Water Partners multi-media pollution prevention campaign. 4.1.3 – Establish dog waste stations and signage at County parks. 4.1.4 – Distribute leash dispensers and written materials to individuals who adopt dogs from a County facility or event. 	In accordance with the schedule contained in the PEOB.	Complete. See MCM 1 for details.
MS4 Program Plan	<ul style="list-style-type: none"> MCM #1 – Public Education and Outreach BMPs MCM #2, BMP 2A – Public Involvement and Participation BMPs MCM #3 – Illicit Discharge Detection and Elimination 	Ongoing in accordance with the MS4 Program Plan.	Complete. See BMP B for details.
	<ul style="list-style-type: none"> MCM #6, BMP 6H – Field Staff Training 	Every 24 months in accordance with the MS4 Program Plan	Complete. See MCM 6 for details.

Action Item	Description	Schedule	Year 2 Summary
Chesapeake Bay TMDL Action Plan	<ul style="list-style-type: none"> Track septic system conversions. 	In accordance with the schedule contained in the Chesapeake Bay TMDL Action Plan.	Complete. See BMP F.
Northern Virginia Clean Water Partners	<ul style="list-style-type: none"> Regional public education media campaign targeting dog owners. 	Ongoing in accordance with the MS4; assessment of effectiveness annually with DEQ annual report.	Complete. See MCM 1 for details.
Implement Legal Authorities	<ul style="list-style-type: none"> Pet Waste Removal – Section 612.19 County Code Leash Law – Section 612.13 County Code Connections to Sanitary Sewer – Section 1064.4 County Code Septic Tank Pump Outs – Section 1066.07(b) County Code 	Ongoing.	Complete.
Pet Waste Stations and Signage	<ul style="list-style-type: none"> Maintain pet waste stations and signage at Byrne's Ridge Park, Conklin Community Park, Dulles South Multi-Purpose Facility, and South Riding Park 	Ongoing in accordance with Section 4.1.3 of the PEOB.	Complete. See MCM 1 for details.
	<ul style="list-style-type: none"> Assess whether to install additional pet waste stations and signage at Gwen Thompson Briar Patch Park, Potomac Lakes Sports Complex, and Sugarland Run Stream Valley Park. Implement where determined to be beneficial. 	During FY2021; report findings to DEQ in the FY2021 annual report.	Complete.
County Facility Assessments	<ul style="list-style-type: none"> Conduct on-site assessments of County properties identified as having high risk factors for bacteria in Table 3.D. 	During FY2022; report findings to DEQ in the FY2022 annual report.	Complete.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

MCM 1: Public Education and Outreach BMPs

BMP 1A: Revise the Public Education and Outreach Program

Permit Section: Part I E1(a)

The County shall implement a Public Education and Outreach Program (PEOP) designed to:

1. Increase the public's knowledge of how to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns;
2. Increase the public's knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications; and
3. Implement a diverse program with strategies that are targeted toward individuals or groups most likely to have significant stormwater impacts.

The PEOP developed under the previous permit, dated May 2016, shall be updated to meet the current permit requirements.

During Permit Year 1, the PEOP was updated to meet the current permit requirements and a copy was provided in the Year 1 annual report.

During Year 2 the PEOP was implemented as outlined below and all goals were achieved.

NOTE: It shall be noted that due to actions taken in response to the COVID crisis, the ability to conduct public outreach activities during Year 3 and through Year 4 were reduced. The county will continue to review these outreach goals and will revise the PEOP as appropriate in future permit years.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 1B: Selection of the High-Priority Stormwater Issues

Permit Section: Part I E1(b)

As part of the development of the PEOP (BMP 1A), the County shall identify no less than three high-priority stormwater issues to meet the goal of educating the public on the MEP.

The County selected the following high-priority stormwater issues to meet the goal of educating the public:

- Bacteria Impacts on Water Quality;

- Illicit Discharges;
- Nutrient Impacts on Water Quality; and
- Sediment Impacts on Water Quality.

The rationale behind the selection of these issues is discussed in detail in the PEOP.

In Year 4, these high-priority stormwater issues were reviewed and determined to be issues that still need public education and outreach.

BMP Status: Year 1 the revised PEOP identified the high-priority stormwater issues
Year 2 these high- priority stormwater issues remain unchanged
Year 3 these high- priority stormwater issues remain unchanged
Year 4 these high- priority stormwater issues remain unchanged
This BMP is ongoing.

BMP 1C: Elements to Include in the PEOP

Permit Section: Part I E1(c)

The high-priority public education and outreach program shall include the following:

1. Clearly identify the high-priority stormwater issues;
2. Explain the importance of the high-priority stormwater issues;
3. Include measures to actions the public can take to minimize the impact of the high-priority stormwater issues; and
4. Provide a contact and telephone number, website, or location where the public can find out more information.

The PEOP includes all the required elements.

BMP Status: This BMP is complete.

BMP 1D: Communicate High-Priority Stormwater Issues

Permit Section: Part I E1(d)

This section of the GP requires the use of two or more of the strategies listed in Table 1 of the MS4 General Permit (Figure 1) per year to communicate to the public the high-priority stormwater issues identified in accordance with Part I E1(b) including how to reduce stormwater pollution.

The Loudoun County PEOP was revised during Permit Year 1 to include all the parameters outlined within this GP section. The PEOP will continue to be implemented in the following permit years.

Table 1 Strategies for Public Education and Outreach	
Strategies	Examples (provided as examples and are not meant to be all inclusive or limiting)
Traditional written materials	Informational brochures, newsletters, fact sheets, utility bill inserts, or recreational guides for targeted groups of citizens
Alternative materials	Bumper stickers, refrigerator magnets, t-shirts, or drink koozies
Signage	Temporary or permanent signage in public places or facilities, vehicle signage, bill boards, or storm drain stenciling
Media materials	Information disseminated through electronic media, radio, televisions, movie theater, or newspaper
Speaking engagements	Presentations to school, church, industry, trade, special interest, or community groups
Curriculum materials	Materials developed for school-aged children, students at local colleges or universities, or extension classes offered to local citizens
Training materials	Materials developed to disseminate during workshops offered to local citizens, trade organization, or industrial officials

Figure 1: MS4 General Permit Table 1.

Traditional Written Materials

In the previous permit, the County developed the following written materials in English and Spanish, which will continue to be use throughout this permit cycle:

- “A Resident’s Guide to Sediment Reduction for a Cleaner Environment” brochure;
- “Good Cleaning Practices for the Food Industry” poster;
- “Good Cleaning Practices for Pool Operations” poster;
- “Good Cleaning Practices for Outdoor Washing Activities” poster;
- “Good Cleaning Practices for Vehicle Equipment Repair” poster; and
- “A Business and Homeowner’s Guide to Loudoun County’s Illicit Discharge Program” brochure.

The materials are provided to homeowners and HOAs upon request and are also utilized to help promote good housekeeping practices. These can be found on the stormwater website (www.loudoun.gov/stormwater).

Stormwater-related brochures are typically distributed to established standard delivery points three (3) times during the permit year. The distributions will be done at four (4) County library locations (Cascades, Ashburn, Sterling, and Gum Springs). Materials will also be provided at the Public Information Office located in the County’s Government Center. Generally, there are 15-20 brochures provided at each location.

The following brochures were provided at the noted locations in Year 4:

- “A Resident’s Guide for a Cleaner Environment;”
- “A Resident’s Guide to Lawn Care for a Cleaner Environment;”
- “A Resident’s Guide to Automotive Care for a Cleaner Environment;” and
- “Scoop the Poop.”

Dog waste bags are typically provided to the animal shelter for distribution with new pet adoptions. Dog waste bags were not provided in Year 4 because of supply issues with our vendor. This practice will be reevaluated in Year 5.

Media Materials

As members of the Northern Virginia Clean Water Partners (NVCWP), the County participates in the annual regional stormwater education campaign “Only Rain Down the Drain”. This partnership provides consistent messaging on a variety of stormwater topics such as fertilizer and pesticide use, pet waste disposal, and motor oil recycling.

During Permit Year 3, the NVCWP continued a series of public service announcements (PSAs), which were broadcast on a variety of regional cable TV channels, in both English and Spanish, as well as banner ads on the internet. The campaign started in April 2013 and features the well-known national symbol of non-point source pollution, the rubber ducky. Listed below are the regional results of this effort. Additional details are included in Appendix D.

Total Household Television Impressions	820,154
Total social media impressions (Facebook and Twitter)	1,257,502
Engagements with social media posts (Facebook and Twitter)	30,267
Visits to the website (www.onlyrain.org)	3,984
Survey Responses	500

The County maintains a stormwater website (www.loudoun.gov/stormwater) as outlined below.

BMP Status: Year 1 activities complete.
 Year 2 activities complete.
 Year 3 activities complete.
 Year 4 activities complete.
 This BMP is ongoing.

MCM 2: Public Involvement and Participation BMPs

BMP 2A: Public Involvement and Participation Procedures

Permit Section: Part I E2(a)

Under this GP requirement, the county is required to develop and implement procedures for the following:

1. Reporting mechanism for the public to report, at a minimum, the following:
 - a. Illicit discharges, improper disposal, or spills to the MS4
 - b. Complaints regarding disturbing activities
 - c. Other stormwater pollution concerns;
2. Public input on the MS4 Program Plan;
3. Receiving public input or complaints;
4. Responding to public input received on the MS4 Program Plan or complaints; and
5. Maintaining documentation of public input received on the MS4 program and associated MS4 Program Plan and the County's response.

The county has several reporting mechanisms available to the public for notification of illicit discharges, improper disposal, spills, complaints regarding land disturbing activities, stormwater pollution concerns, public input and comments. These are listed below:

- Loudoun Express Request (LEX). This is a web-based system that allows the public to submit a request to the county via a computer or mobile application ([link](#)).
- Loudoun County Stormwater website – www.loudoun.gov/stormwater ([link](#))
- Loudoun County Stormwater Complaint line – 703.777.0117
- Email the Loudoun County Stormwater Team – stormwater@loudoun.gov
- Email the Department of Building and Development – bad@loudoun.gov
- Building and Development Engineering hotline – 571.252.0857



In Year1, the county documented its procedures for receiving public input for the Program Plan and complaints in a memo titled “Procedures for Public Involvement and Participation in the Stormwater Program”, Version 1, dated 8/21/2019.

During this reporting period, there were no comments received on the Program Plan.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 2B: Develop and Maintain a Stormwater Website

Permit Section: Part I E2(b)

The County shall develop and maintain a website dedicated to the MS4 Program and stormwater pollution prevention. The following information shall be posted to the webpage:

1. The effective MS4 permit and coverage letter;
2. The most current MS4 Program Plan;
3. The annual report for each year of the term covered by the permit not later than 30 days after submittal to DEQ;
4. A mechanism for the public reporting as outlined in BMP 1B above; and
5. Methods for how the public can provide input into the MS4 program plan.

Loudoun County developed a dedicated stormwater website (www.loudoun.gov/stormater) a number of years ago and continues to update the website as needed ([link](#)). The following information is posted to the website:

1. The effective MS4 permit and coverage letter, dated October 31, 2018;
2. The most current MS4 Program Plan;
3. The annual report for each year of the term covered by the permit not later than 30 days after submittal to DEQ;
4. A mechanism for the public reporting as outlined in BMP 1B above (LEx); and
5. Methods for how the public can provide input into the MS4 Program Plan (see BMP 1B).

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 2C: Public Involvement Opportunities

Permit Section: Part I E2(c)

The County shall implement four activities a year from two or more of the categories listed in the general permit Table 2 (see Figure 2).

The county conducted four activities during the permit cycle that involved the public. These are summarized below and included educational events, disposal events, and pollution prevention.

Table 2 Public Involvement Opportunities	
Public involvement opportunities	Examples (provided as example and are not meant to be all inclusive or limiting)
Monitoring	Establish or support citizen monitoring group
Restoration	Stream or watershed clean-up day, adopt-a-water way program,
Educational events	Booth at community fair, demonstration of stormwater control projects, presentation of stormwater materials to schools to meet applicable education Standards of Learning or curriculum requirements, watershed walks, participation on environmental advisory committees
Disposal or collection events	Household hazardous chemicals collection, vehicle fluids collection
Pollution prevention	Adopt-a-storm drain program, implement a storm drain marking program, promote use of residential stormwater BMPs, implement pet waste stations in public areas, adopt-a-street program.

Figure 2: MS4 General Permit Table 2.

NOTE: It shall be noted, that due to actions taken in response to the COVID crisis, the ability to conduct public involvement activities was reduced. The County will continue to

review these outreach goals and will revise the Program Plan as appropriate in future permit years.

Household Hazardous Waste Collection Events

Household hazardous waste collection events are held periodically throughout the year on weekends at various locations around the County. During these events, residents are encouraged to collect household hazardous wastes from around their home and drop them off at the event site. The drop off is free to the homeowner. Table 3 below lists the household hazardous waste events held in Permit Year 4.

Table 3: Household Hazardous Waste Events - Permit Year 4

Date	Location	Number of Participants	Tons Collected
July 31, 2021	Lovettsville Elementary School	240	6.8
September 11, 2021	Harmony Park and Ride, Hamilton	290	12.4
October 23, 2021	Leesburg Park and Ride, Leesburg	400	14.2
November 20, 2021	Claude Moore Park, Sterling	470	12.3
March 26, 2022	Leesburg Park and Ride, Leesburg	535	16.9
April 23, 2022	Harmony Park and Ride, Hamilton	560	15.1
May 21, 2022	Ashburn North Park and Ride, Ashburn	425	12.4
June 25, 2022	Freedom High School, South Riding	530	12.7
Total		3,450	102.8

Storm Drain Marking Program

Loudoun County began a storm drain marking program several years ago. Through the program interested parties can obtain “No Dumping” markers and a detailed installation guideline, as well as a geographic area in need of marking. These projects are typically done by youth group organizations as part of a community service project.

In Year 4 a total of 847 storm drain markers were distributed to various groups that conducted storm drain marking projects throughout the County. To date, the program has installed approximately 14,100 storm drain markers.

Presentations

One staff member attended the American Conference of Engineering Companies of Metropolitan Washington Chesapeake Bay Symposium, virtually held May 13, 2022. The symposium featured speakers from several Phase I and Phase II MS4 permittees from Maryland, Northern Virginia, and the District. The discussion was based on meeting Bay TMDL requirements, funding for programs, novel and collaborative approaches for nutrient reduction, and potential future needs from the consulting community.



What's New?

- Working Remotely / Field
- New Presidential Administration Impacts
- Nutrient Reduction Projects
- Dry Pond / Constructed Wetlands Retrofit
- Stream Restoration / Outfall Stabilizations
- Property Purchase for Transportation Mitigation Credit Needs
- Property Acquisition, Funding, Public Outreach, and Regulatory Environment
- Cooperation from County Planning Commission
- Changes to MS4 Boundary from 2020 Census

The Virginia Lakes and Watershed Association annual conference (March 7-8) was held in Richmond, VA. Two staff members attended and one staff member co-presented with one of our consultants on the Condition Assessment Tool.



On March 30, 2022, staff from the Stormwater Team presented to the Loudoun County Environmental Commission. The presentation included an overview of the stormwater maintenance program, and how Loudoun County is meeting both the Chesapeake Bay TMDL and the local TMDLs. There were approximately 25 members present.



BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

MCM 3: Illicit Discharge Detection and Elimination

BMP 3A: Develop an Accurate MS4 Map

Permit Section: Part I E3(a)1

The county shall develop and maintain an accurate MS4 Map of the stormwater system. Loudoun County utilizes various GIS data layers for all stormwater asset management. Every 6 months, in January and June, a copy of the MS4 map will be generated utilizing the most up to date versions of the stormwater GIS data layers, as outlined below.

1. A map of the stormwater system owned or operated by the permittee within the Census Urbanized Area identified by the 2010 decennial census that includes:
 - a. MS4 outfalls discharging to surface waters;
 - b. A unique identifier for each mapped item;
 - c. The name and location of receiving waters to which the MS4 outfall or point of discharge discharges;
 - d. MS4 regulated service area; and
 - e. Stormwater management facilities owned or operated by the permittee.

In Year 4, the county decided to stop producing a hard copy (pdf) map and instead generated a web-based map the can more efficiently be updated. The map is accessible from this [link](#).

In addition, the county was required to submit a GIS-compatible shape file of the MS4 map by July 1, 2021 [Part I E3(a)3]. This was submitted to DEQ on September 20, 2021.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 3B: Maintain MS4 Outfall Data Information Table

Permit Section: Part I E3(a)2

The county will maintain specific and required information related to each MS4 outfall and conduct annual updates to the County's outfall data table that includes the following information for each outfall or point of discharge:

1. A unique identifier as specified on the stormwater system map;
2. The latitude and longitude of the outfall or point of discharge;
3. The estimated regulated acreage draining to the outfall or point of discharge;
4. The name of the receiving water;
5. The 6th Order Hydrologic Unit Code of the receiving water;
6. An indication as to whether the receiving water is listed as impaired in the Virginia 2016 305(b)/303(d) Water Quality Assessment Integrated Report;

7. The predominant land use for each outfall discharging to an impaired water; and
8. The name of any EPA approved TMDLs for which the permittee is assigned a waste load allocation.

The county updates the stormwater data when new mapping data is provided. The MS4 outfall data table is provided in Appendix E. The most up to date stormwater information can be obtained by contacting the Loudoun County Stormwater Team.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 3C: Notification to Downstream MS4 Permit Holders of Interconnections.

Permit Section: Part I E3(a)5

The MS4 shall notify downstream MS4 operators, in writing, of any physical interconnections to the County's MS4. As required in Part I E3(d)2, the written notification to downstream interconnected MS4s will be provided upon request.

No additional interconnections with adjacent MS4s were added during this permit year. Notifications of previously known interconnections were submitted in Year 1 and again during this reporting period (Year 4). The list of MS4s interconnected with the Loudoun County MS4 are as follows; Fairfax County, Town of Herndon, Town of Leesburg, Washington Dulles Airport, Northern Virginia Community College, and VDOT.

During this permit cycle there were no requests received for notification of downstream MS4 permittees.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 3D: Written IDDE Procedures

Permit Section: Part I E3(c)

The MS4 shall develop written procedures to detect, identify, and address unauthorized non-stormwater discharges to the MS4. As required in Part I E3(d)3, the IDDE procedures will be provided upon request.

Written IDDE Procedures were developed to satisfy the previous MS4 GP. These procedures were followed in Year 1 and concurrently, the county updated the IDDE procedures to comply with the new MS4 GP and were provided with the Year 1 annual report.

During Year 4, the County amended its IDDE Procedure. The amendment adjusted the categories for dry weather screening results to allow the County to use its resources most efficiently. Specifically, this amendment divided the “Suspect” category for dry weather screening results into two categories, “Suspect – Monitor” and “Suspect – Investigate.” The County created the “Suspect - Monitor” category to account for outfalls where an indicator of an illicit discharge was observed during field screening. Still, the observed indicator (i.e., evidence of a past illicit discharge such as staining, excessive trash, etc.) did not rise to the level that warrants an immediate investigation as required by the previous “Suspect” designation. Before this update, these outfalls were designated as “Suspect” to trigger future screening activities and therefore required the County to investigate a possible illicit discharge that did not exist. The County also created the “Suspect-Investigate” category intended for outfalls where an indicator of an illicit discharge was observed that warrants an investigation.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 3E: Conduct System Screening for Illicit Discharge Detection

Permit Section: Part I, E3(c)2

The county shall develop a program to effectively and efficiently identify, to the MEP, illicit discharges to the County’s MS4. In support of this goal the county conducts dry weather screening of MS4 outfalls per the established IDDE procedures.

The County amended its Illicit Discharge Detection and Elimination (IDDE) Procedure in January 2022. The amendment adjusted the categories for dry weather screening results to allow the County to use its resources most efficiently. Specifically, this amendment divided the “Suspect” category for dry weather screening results into two categories, “Suspect – Monitor” and “Suspect – Investigate.” The County created the “Suspect - Monitor” category to account for outfalls where an indicator of an illicit discharge was observed during field screening. Still, the observed indicator (i.e., evidence of a past illicit discharge such as staining, excessive trash, etc.) did not rise to the level that warrants an immediate investigation as required by the previous “Suspect” designation. Before this update, these outfalls were designated as “Suspect” to trigger future screening activities and therefore required the County to investigate a possible illicit discharge that did not exist. The County also created the “Suspect-Investigate” category. This category is intended for outfalls where an indicator of an illicit discharge was observed that warrants an immediate investigation.

The county conducted dry weather screening (Appendix F) on a total of 277 regulated MS4 outfalls. Of those outfalls investigated, 247 were found to be “clear” of dry weather flow, 14 were found to be “suspect-monitor”, 9 were found to be “suspect-investigate”, and 7 were found to be

“illicit”. To date, the suspect and illicit discharges have been reviewed. All illicit discharges have been eliminated or are under active investigations as outlined in the County’s SOP.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 3F: Investigate and Address Illicit Discharges

Permit Section: Part I E3(c)3-5

The county will utilize County’s IDDE procedures to address suspected illicit discharges discovered through dry weather screening, observations of County staff, or calls and reports from the general public.

During Permit Year 4, 44 suspected illicit discharges were reported to DGS. To date, 39 of these reports have been resolved and 5 of these cases remain under investigation. This report includes a summary of each investigation (Appendix G) conducted and each summary includes the following details:

1. Date(s) suspected discharge observed and/or reported;
2. Results of the investigation, including the source, if identified;
3. Any follow-ups to the investigation;
4. Resolution of investigation; and
5. Date investigation completed/closed.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

MCM 4: Construction Site Stormwater Runoff Control

BMP 4A: Administer County E&S Program

Permit Section: Part I E4(a)1 and E4(a)5

The County shall implement the VESCP consistent with the Virginia Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq. of the Code of Virginia) and Virginia Erosion and Sediment Control Regulations (9VAC25-840). It shall be the goal of the County to maintain a rating of “consistent” for the County’s E&S Program during permit cycle.

During the reporting period, the County remained fully consistent with the requirements of the Virginia Erosion and Sediment Control Law and Regulations, with the most recent rating of “consistent” issued via the Virginia Department of Conservation and Recreation (DCR) letter dated November 15, 2007, which is included in Appendix H.

Additionally, for this reporting period, Loudoun County has followed, to the MEP, all of their established department approved standards and specifications for erosion and sediment control for land disturbing projects that are covered by Virginia Erosion and Sediment Control Law and Regulations. During this reporting period, Loudoun County did not have any land disturbing projects that did not conform the County’s approved standards and specifications.

The County’s Department of Building and Development is responsible for administering the County’s E&S Program. Table 4 provides a summary of land-disturbing activities for Permit Year 4, as required by the Section of the GP.

Table 3: Summary of Land-Disturbing Activities - Permit Year 3

Item	Quantity (Period 7/1/2021-6/30/2022)
Total Number of E&S Inspections	13659
Total Number of Enforcement Actions	44
Number of Notices to Comply	206
Number of Notices to Comply Corrected	206
Number of Stop Work Orders	35
Number of Stop Work Orders Corrected	23*
Number of Grading Permit Non-Filers Identified	42

* There are currently 21 Stop Work Orders that are in progress, awaiting engineering firms erosion control plan submission and grading permit applications.

BMP Status: Year 1 activities complete.
 Year 2 activities complete.
 Year 3 activities complete.
 Year 4 activities complete.
 This BMP is ongoing.

BMP 4B: MCM 4 Items to Include in the Program Plan

Permit Section: Part I E4(c)

Part I E 4 c for the MS4 GP outlines specific elements that are to be included in the MS4 Program Plan. All of the requirements outlined in this section of the GP have been incorporated into the County' MS4 Program Plan (Appendix A).

The elements that are required to be incorporated are as follows:

1. The local ordinance for the Loudoun County Erosion and Sediment Program.
2. A description of the legal authorities utilized to ensure compliance with Part I E4.
3. Written inspection erosion and sedimentation control procedures.
4. Written erosion and sedimentation control enforcement procedures.
5. The roles and responsibilities of each of the permittee's departments in implementing the construction site stormwater runoff control requirements in Part I E4.

BMP Status: This BMP is complete.

BMP 4C: MCM 4 Items to Include in the Annual Report

Permit Section: Part I E4(d)

See BMP 4A above.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

MCM 5: Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands

BMP 5A: Administer County VSMP Program

Permit Section: Part I, E5(a)1

The County will, to the MEP, administer it's Virginia Stormwater Management Program (VSMP) consistent will all applicable state regulations. See Appendix I for the required written statement from the VSMP Administrator that the County was in compliance with Part I, E5(a)1.

BMP Status: Year 1 complete.
Year 2 complete.
Year 3 complete.
Year 4 complete.
This BMP is ongoing.

BMP 5B: Develop and Maintain Written Inspection and Maintenance Procedures for Stormwater BMPs

Permit Section: Part I, E5(b)1

In Year 1, the existing inspection and maintenance procedures were reviewed, revised, and a new procedures document was implemented, which is titled "*Stormwater Best Management Practice (BMP) Facility Inspection and Maintenance Procedure*, version 1, August 21, 2019". The updated procedure document was provided in the Year 1 Annual Report.

During Year 4, this document was reviewed, and no changes or updates were needed.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 5C: Inspect Permanent Post-Construction Stormwater BMPs

Permit Section: Part I E5(b)2

The County will perform annual inspections of the permanent post-construction stormwater management BMPs either owned by the County or within the County and situated outside of the VDOT maintained right-of-way, Dulles Greenway property and right-of-way, Dulles International Airport property and right-of-way, the County's incorporated towns, and are not a separately permitted facility.

The County conducts annual inspections on post-construction stormwater BMPs in the MS4 service area. Structural inspections are conducted annually on 1/3 of the wet ponds and dry ponds. Bioretention BMPs that have significant structural components also receive an annual structural inspection. All underground BMPs are inspected annually. The remaining BMPs get a preventative maintenance inspection. The results of the Year 4 post-construction stormwater BMP inspections are summarized below, and the details of each inspection are provided in Appendix J.

In Year 4, structural inspections were conducted on 241 wet and dry ponds and 167 bioretention BMPs. Also, there were 152 underground inspections conducted. The remaining BMPs, received preventative maintenance inspections. A description of the significant maintenance/repair for the public BMPs is provided in Appendix J.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 5D: Provide Long-Term Maintenance for Operator-Owned BMPs

Permit Section: Part I E5(b)3

The MS4 can provide for the long-term maintenance, as necessary, so that permanent stormwater facilities for which the County has primary maintenance responsibility are functioning to their original design capabilities.

See BMP 5C for description of inspections conducted and Appendix J for a summary of details.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 5E: Require Adequate Long-Term Maintenance for Privately Maintained BMPs

Permit Section: Part I E5(c)1 and Part I E5(a)2

Ensure, to the MEP, that permanent stormwater facilities for which the County does not have primary maintenance responsibility (i.e. private facilities) are receiving adequate long-term maintenance to function at their original design capability. The County will notify property owners responsible for maintaining stormwater management facilities of those deficiencies, discovered during County inspections, keeping the facility from functioning to their original design capability utilizing enforcement procedures outlined in Chapter 1096, Codified Ordinances of Loudoun County.

See BMP 5C for description of inspections conducted and Appendix J for a summary of details.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 5F: Maintain an Electronic Database of All Permanent Stormwater Management Facilities

Permit Section: Part I E5(d), (e), (f), and (g).

The County shall maintain an electronic database of all known stormwater management facilities (public and private). The database will include all BMPs implemented by the permittee to meet the Chesapeake Bay TMDL load reduction as required in Part II A. The electronic database shall be updated no later than 30 days after a new stormwater management facility is brought online, a new BMP is implemented to meet a TMDL load reduction as required in Part II, or discovered if it is an existing stormwater management facility.

Loudoun County has maintained a GIS database of the stormwater infrastructure for many years. The county also has a program that identifies new areas of development and then surveys the new stormwater infrastructure.

See BMP 5A above for the written conformation statement regarding the submittal of the required information into the Virginia Construction Stormwater General Permit database.

In accordance with Part I E5(g), the county electronically reported BMPs implemented between July 1 and June 30 using the DEQ BMP Warehouse on September 30, 2022.

BMP Status: Year 1 review completed.
Year 2 review completed.
Year 3 review completed.
Year 4 activities complete.
This BMP is ongoing.

BMP 6: Pollution Prevention/Good Housekeeping for Municipal Operations

BMP 6A: Maintain and Implement Written Procedures

Permit Section: Part I E6(a)

The County shall maintain existing written procedures and implement new procedures, as needed, at county-owned facilities within the MS4. The written procedures shall be designed as outlined in Part I E6(a).

The county currently maintains the list of Standard Operating Procedures (SOPs) provided in Table 5. In Year 4, the SOPs were reviewed, and none of them required updating.

Table 4: List of Standard Operating Procedures

Name	Effective Date
Land Disturbing SOP	November 2019
Landscaping and Grounds Maintenance SOP	November 2019
Loading-Unloading SOP	November 2019
Material Storage SOP	January 2021
Non-Stormwater Discharges SOP	November 2019
Pool Operation SOP	November 2019
Road, Street and Parking Lot SOP	November 2019
Small Equipment SOP	November 2019
Spill Response SOP	November 2019
Storm Sewer System Cleaning & Maintenance SOP	November 2019
Vehicle Fueling SOP	November 2019
Vehicle-Equipment Maintenance/Repair SOP	November 2019
Vehicle-Equipment Storage SOP	November 2019
Vehicle-Large Equipment Washing SOP	November 2019
Waste Management SOP	November 2019

BMP Status: Year 1 activities complete.
 Year 2 activities complete.
 Year 3 activities complete.
 Year 4 activities complete.
 This BMP is ongoing.

BMP 6B: Develop and Implement SWPPPs for Identified “High Priority” Facilities

Permit Section: Part I E6(c), (d), and (g)

The County will continue to implement the SWPPPs that were developed under the previous permit. The County shall also follow all parameters within each existing SWPPP. Table 6 lists out the current Loudoun County SWPPPs and provides a summary of the annual site inspections and the findings from the inspections.

In Year 2, we removed the SWPPP for the Fire and Rescue Training Academy because they are no longer processing vehicles for training purposes. All the vehicles provided for training purposes are delivered free of all vehicle fluids. Loudoun County Fire and Rescue maintains a written Burn Plan for the operation of the Burn Building located at the Training Academy. The plan outlines the required operation of a by-pass valve, which diverts water to the sanitary sewer system during training activities. The by-pass valve remains open to the stormwater system when there are no training activities at the Burn Building.

Table 6: Loudoun County SWPPP Information – Year 4

Location	Annual Inspection date	Issues Observed	Actions Completed	SWPPP Revisions Needed	SWPPP Revisions Made	Additional notes
Central Warehouse & Maint. Facility	11/30/2021	Add mulch to the temporary wash pad	Mulch added	No	None needed	Verify that all field trucks have emergency spill kits
Potomac Lakes Sportsplex	12/7/2021	Flip the mulch in the wash pad and add new silt fence around the pad	Tasks completed as listed	Yes	8-2-2021 Equipment barn removed	Asked for notification from site manager when structures or buildings are updated
Claude Moore Park	12/6/2021	None	N/A	No	None needed	Well operated facility.
PRCS Trailside Maintenance Facility	12/26/2021	None	N/A	No	None needed	Facility is in good condition.

BMP Status: Year 1 activities complete.
 Year 2 activities complete.
 Year 3 activities complete.
 Year 4 activities complete.
 This BMP is ongoing.

BMP 6C: Annual Review for New County Owned or Operated “High Priority” Facilities

Permit Section: Part I E6(e)

No later than June 30 of each permit year, the County shall conduct a review of County owned or operated facilities within the MS4 to determine if the facility has a high potential for discharging pollutants as described in Part I E6(c). If the facility is determined to be a high-priority facility with a high potential to discharge pollutants, develop a SWPPP meeting the requirements of Part I E6(d) no later than December 31 of that same permit year.

The County conducted a review of all County owned or operated facilities located within the MS4 boundary. There were no high-priority facilities added to the MS4 during Permit Year 4. The SWPPP for the Potomac Sportsplex was updated in Year 4 to reflect the addition of a new pole barn.

Copies of the SWPPPs are available by contacting the Department of General Services.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 6D: SWPPP Review after Reports of Unauthorized Discharges

Permit Section: Part I E6(f)

The permittee shall review the contents of any site specific SWPPP no later than 30 days after any unauthorized discharge, release, or spill reported in accordance with Part III G to determine if additional measures are necessary to prevent future unauthorized discharges, releases, or spills. If necessary, the SWPPP shall be updated no later than 90 days after the unauthorized discharge.

During this reporting period, there were no unauthorized discharges to the MS4 at any of the County’s SWPPP locations.

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.
This BMP is ongoing.

BMP 6E: Maintain and Implement Turf and Landscape Nutrient Management Plans

Permit Section: Part I E6(i)

The permittee shall maintain and implement turf and landscape NMPs that have been developed by a certified turf and landscape nutrient management planner in accordance with § 10.1-104.2 of the Code of Virginia on all lands owned or operated by the permittee where nutrients are applied to a contiguous area greater than one acre. If nutrients are being applied to achieve final stabilization of a land disturbance project, application shall follow the manufacturer's recommendations. The County will maintain current NMPs as applicable and conduct an annual review of county owned or operated facilities within the MS4 service area to establish the need for new NMPs.

During this permit cycle the required plans were updated as noted below. The list of all NMPs is provided in Table 7 below. Two new plans were added during this cycle.

Table 7: Identified Acres Requiring Turf and Landscape NMPs

Facility Name	Area (Acreage)	Plan Expiration Date	Latitude	Longitude
Ashburn Library	1.05	9/24/2025	39.2	-77.3
Cascades Library & Senior Center	1.12	9/24/2025	39.1	-77.23
Bickel Ford Fields	3.17	7/15/2022	39.01	-77.28
Bles Park	9.12	4/1/2025	39.04	-77.26
Byrnes Ridge Park	20.96	4/1/2022	38.55	-77.33
Conklin Park	6.1	4/1/2022	38.54	-77.31
Greg Crittenden Park	3.89	7/15/2022	39.01	-77.29
Lyndora Park	5.86	7/15/2022	38.59	-77.29
Ray Muth Sr. Park	9.35	11/1/2022	39.2	-77.27
Scott Jenkins Park	11.72	11/1/2022	39.8	-77.38
Trailside Park	6.69	7/15/2022	39.03	-77.3
Claude Moore Park	16.43	11/1/2022	39.00	-77.24
Potomac Lakes Sportsplex	20.24	11/1/2022	39.3	-77.22
East Gate Park	3.36	4/1/2022	38.54	-77.29
Dulles South PSC	1.6	6/2/2025	38.55	-77.31
Eastern Sheriff Substation	0.9	4/15/2022	39	-77.23
East Gate Park & Ride	1.8	4/15/2022	38.54	-77.29
Harmony Park & Ride	1.3	6/2/2025	39.9	-77.38
Kincora Fire Station	0.9	6/2/2025	39.1	-77.25
Lansdowne Fire Station	1.1	6/2/2025	39.4	-77.29
Moorefield Fire and Rescue	1.05	4/15/2022	39	-77.29
Stone Ridge Park & Ride	1	4/15/2022	38.56	-77.33
Western Sheriff's Office	1.6	5/10/2025	39.8	-77.46
Purcellville Fire Station	2.2	4/15/2022	39.8	-77.41
Middleburg Fire Station	0.6	4/15/2022	38.58	-77.44
Lovettsville Library	0.2	4/15/2022	39.16	-77.38
Loudoun Heights Fire Station	2.4	6/2/2025	39.14	-77.43
Franklin Park	14.92	4/15/2022	39.7	-77.44
Ashburn Sheriff	1.7	6/2/2025	39.3	-77.27
Total Acreage	152.33			

BMP Status: Year 1 activities complete.
Year 2 activities complete.
Year 3 activities complete.
Year 4 activities complete.

This BMP is ongoing.

BMP 6F: Prohibition on the Use of Deicing Agents Containing Nitrogen or Phosphorus

Permit Section: Part I E6(k)

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.

Loudoun County does not apply any deicing agent containing urea or other forms of nitrogen or phosphorus to parking lots, roadways, and sidewalks, or other paved surfaces.

BMP Status: This BMP is complete.

BMP 6G: Require Municipal Contractors to Use Appropriate Control Measures and Procedures for Stormwater Discharges

Permit Section: Part I E6(l)

Require, to the MEP, that municipal contractors use appropriate control measures and procedures for stormwater discharges to the County's MS4. Develop and include verbiage in the appropriate standard agreements for municipal contractors, requiring appropriate control measures/procedures and pollution prevention protocols for stormwater discharges to the County's MS4.

In Permit Cycle 2, Year 4 of a previous permit, DGS developed and implemented pollution prevention protocols for County contractors to protect water quality and added the following language to each scope of work for stormwater maintenance/restoration related projects.

The Contractor must:

1. Take every precaution to prevent the discharge of sediment from disturbed areas. The use of silt sox, silt fence, and dewatering geotextile bags shall be in place or used before the disturbance occurs.
2. Have spill containment materials onsite at all times to contain and prevent hydraulic fluid, and or fuel leaks, spills and accidental releases from contaminating the surrounding work environment. Leaking or nonfunctioning machinery and equipment must be promptly repaired or removed from the site.
3. Be responsible for concrete subcontractors to ensure disposal of waste or excess concrete is done in accordance with applicable laws and practices. This includes washing out of concrete trucks.
4. Contact the County Project Manager if questions or problems occur with the Pollution Prevention Requirements

BMP Status: This BMP is complete.

BMP 6H: Develop a Training Plan Associated with Stormwater

Permit Section: Part I E6(m)

During Year 1, the County developed a new training plan as outlined in Part I E6(m). During the Year 3 evaluation of the training plan, it was determined that an update was needed. The new training plan, dated June 2, 2021, was updated to reflect a change in how the IDDE training was conducted. In the previous plan, this was accomplished via a third-party online training program. In the updated plan, this was incorporated into the in-person training program.

The stormwater team coordinated Stormwater Pollution Prevention Plan (SWPPP) and IDDE training for county staff in December 2021. Two training sessions were conducted with a total of 73 participants (Appendix K).

The annual BMP training was conducted August 5, 2021, for Department of General Services staff (stormwater and public works). See Appendix K for the attendance roster.

BMP Status: Year 1 completed the update of the new training plan.
Year 2 partially completed.
Year 3 completed.
Year 4 completed.
This BMP is ongoing.

Appendix A

Loudoun County MS4 Program Plan

LOUDOUN COUNTY SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STORMWATER MANAGEMENT PROGRAM PLAN

For July 2018 – June 2023



Loudoun County
Department of General Services
PO Box 7100
801 Sycolin Road, S.E.
Suite 300
Leesburg, VA 20175

Version 4
November 29, 2021



Table of Contents

Introduction / Overview 4

 Existing Program 4

Part I: Discharge Authorization and Special Conditions..... 6

 BMP A: Develop an MS4 Program Plan..... 6

 BMP B: MS4 Program Plan Development Schedule 6

 BMP C: Revisions to the MS4 Program Plan 7

 BMP D: Develop and Submit an Annual Report to DEQ..... 7

 BMP E: Evaluate Effectiveness of Program BMPs..... 8

 BMP F: Status Report on the Implementation of the Chesapeake Bay TMDL Action Plan. 8

 BMP G: Status Report on the Implementation of the Local TMDL Action Plans 9

 MCM 1: Public Education and Outreach BMPs.....10

 BMP 1A: Revise the Public Education and Outreach Program10

 BMP 1B: Selection of the High-Priority Stormwater Issues.....10

 BMP 1C: Elements to Include in the PEOP11

 BMP 1D: Communicate High-Priority Stormwater Issues12

 MCM 2: Public Involvement and Participation BMPs13

 BMP 2A: Public Involvement and Participation Procedures13

 BMP 2B: Develop and Maintain a Stormwater Website.....14

 BMP 2C: Public Involvement Opportunities15

 MCM 3: Illicit Discharge Detection and Elimination.....17

 BMP 3A: Develop an Accurate MS4 Map17

 BMP 3B: Maintain MS4 Outfall Data Information Table.....17

 BMP 3C: Notification to Downstream MS4 Permit Holders of Interconnections.18

 BMP 3D: Written Illicit Discharge Detection and Elimination (IDDE) Procedures19

 BMP 3E: Conduct System Screening for Illicit Discharge Detection.....19

 BMP 3F: Investigate and Address Illicit Discharges20

 MCM 4: Construction Site Stormwater Runoff Control21

 BMP 4A: Administer County E&S Program21

 BMP 4B: MCM 4 Items to Include in the Program Plan.....21

 BMP 4C: MCM 4 Items to Include in the Annual Report23

 MCM 5: Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands24

 BMP 5A: Administer County VSMP Program24



BMP 5B: Develop and Maintain Written Inspection and Maintenance Procedures for Stormwater BMPs24

BMP 5C: Inspect Permanent Post-Construction Stormwater BMPs.....25

BMP 5D: Provide Long-Term Maintenance for Operator-Owned BMPs.....26

BMP 5E: Require Adequate Long-Term Maintenance for Privately Maintained BMPs26

BMP 5F: Maintain an Electronic Database of All Permanent Stormwater Management Facilities 27

MCM 6: Pollution Prevention/Good Housekeeping for Municipal Operations29

BMP 6A: Maintain and Implement Written Procedures29

BMP 6B: Develop and Implement SWPPPs for Identified “High Priority” Facilities30

BMP 6C: Annual Review for New County Owned or Operated “High Priority” Facilities...31

BMP 6D: SWPPP Review after Reports of Unauthorized Discharges.....31

BMP 6E: Maintain and Implement Turf and Landscape Nutrient Management Plans (NMPs) 32

BMP 6F: Prohibition on the Use of Deicing Agents Containing Nitrogen or Phosphorus33

BMP 6G: Require Municipal Contractors to Use Appropriate Control Measures and Procedures for Stormwater Discharges33

BMP 6H: Develop a Training Plan Associated with Stormwater.....34

List of Tables

Table 1: Loudoun County MS4 General Permit Program Areas 5

List of Figures

Figure 1: MS4 General Permit Table 112

Figure 2: MS4 General Permit Table 2..... 15

List of Appendices

Appendix A: Listing of Loudoun County MS4 Documents Incorporated by Reference



Introduction / Overview

The following document represents Loudoun County's (County) Stormwater Management Program to comply with the Virginia General Permit for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4 General Permit). This MS4 Program enables the County to meet the following goals:

- Reduce the discharge of pollutants to the "maximum extent practicable" (MEP)
- Protect water quality
- Satisfy the appropriate water quality requirements of the State Water Control Law

The MS4 Program Plan addresses Parts I, II, and III of the MS4 General Permit.

To arrive at appropriate and cost-effective best management practices (BMPs), the County reviewed existing stormwater management operations, ordinances, and programming as they relate to the compliance requirements of the MS4 General Permit. Further, in consideration of Virginia's MEP threshold, the County examined each proposed BMP to determine whether the County had the legal, technical, administrative, and financial ability to ensure effective implementation. The County's financial considerations included potential budget implications for each proposed BMP, such as the resources required and any existing synergies between tasks. Based on those findings and current budget allocations, the County can support the Program through appropriations from the General Fund and the Capital Improvement Program.

For each selected BMP, the County has identified:

1. Roles and responsibilities
2. A description of the BMP or strategy
3. Applicable standard operation procedures
4. Measurable goals
5. The appropriate County department responsible
6. Applicable documents by reference

Existing Program

The County manages stormwater through a comprehensive local program featuring the following primary functions:

1. Design review and inspection of new construction
 - a. Ensures quality and quantity control of increased stormwater is adequately addressed
2. Erosion and sediment control/management on open construction sites
3. Virginia Stormwater Management Program (VSMP) Authority
4. Inspection, repair, and maintenance of existing stormwater facilities
5. Management of the MS4 Permit

The program is administered by two departments: Building and Development (B&D) and Department of General Services (DGS) with support from Fire and Rescue (Table 1). B&D performs design review/inspection of new construction and manages the Erosion and Sedimentation Control (E&S) Program. Since July 1, 2014, Loudoun County has been established as a VSMP Authority, and the VSMP Administrator is functionally located within B&D. DGS provides for inspection, repair, and maintenance of existing stormwater facilities and



manages the MS4 General Permit.

Stormwater Management is governed by a series of ordinances and documents referenced throughout this MS4 Program Plan (Appendix A) which guide the planning, development, implementation, maintenance, and enforcement of stormwater management practices and facilities within the County.

This program plan is divided into two Parts, which follow the corresponding Parts outlined in the MS4 General Permit. Each BMP described herein has noted the corresponding permit section for ease of cross-referencing.

Table 1: Loudoun County MS4 General Permit Program Areas

County Department	MS4 Roles and Responsibilities
Department of General Services (DGS)	Ensuring compliance with DEQ MS4 General Permit Development of and updates to the MS4 Program Plan Development of the MS4 Annual Reports Compliance with MCM 1 of the MS4 GP Compliance with MCM 2 of the MS4 GP Compliance with MCM 3 of the MS4 GP (see Fire and Rescue below) Compliance with MCM 5 of the MS4 GP (see B&D below) Compliance with MCM 6 of the MS4 GP Compliance with MS4 GP Part II – TMDL Special Conditions, Chesapeake Bay TMDL Compliance with MS4 GP Part II – TMDL Special Conditions, Local TMDL
Department of Building and Development (B&D)	Compliance with MCM 4 of the MS4 GP Compliance with MCM 5 of the MS4 GP (VSMP Authority)
Fire and Rescue Department	Compliance with MCM 3 of the MS4 GP. Fire and Rescue is responsible for emergency response and reporting related to discharges to the stormwater system that occur because of traffic accidents or hazardous materials response.



Part I: Discharge Authorization and Special Conditions

Part I of the MS4 General Permit requires the MS4 operator to develop an MS4 Program Plan (Part 1 C), develop and submit an Annual MS4 Report (Part 1 D), and comply with the 6 Minimum Control Measures (Part 1 E). These sections of the MS4 Program Plan outline how Loudoun County will comply with each of these permit requirements.

BMP A: Develop an MS4 Program Plan

Permit Section: Part I C 1

Objective: Develop and implement a MS4 Program Plan that includes the parameters specified in Part I C 1.

Measurable Goal: Development of the MS4 Program Plan.

Necessary Documents: MS4 General Permit.

Responsible Party: DGS shall be responsible for drafting and updating the MS4 Program Plan. See Table 1.

Schedule: May 1, 2019. The revised MS4 Program Plan shall be completed no later than six months after the effective date of the permit (6 months from November 1, 2018).

May 30, 2019. Due date to post the revised MS4 Program Plan to the Stormwater website.

Items to Report: Completed Program Plan.

BMP B: MS4 Program Plan Development Schedule

Permit Section: Part I C 3

Objective: Loudoun County was previously covered under the General VPDES Permit that was effective July 1, 2013. Therefore, Loudoun County is required under this section to develop a revised MS4 Program Plan no later than six months after the effective date of the current MS4 permit, which is May 1, 2019. In addition, within 30 days of completing the MS4 Program Plan, the plan shall be posted to the website.

Measurable Goal: Development of revised MS4 Program Plan.

Necessary Documents: MS4 General Permit (Appendix A).

Responsible Party: DGS (Table 1).



Schedule: May 1, 2019. The revised MS4 Program Plan shall be completed no later than six months after the effective date of the permit, which is November 1, 2018.

May 30, 2019. Due date to post the revised MS4 Program Plan to the Stormwater website.

Items to Report: Dates of plan completion and posting to the website.

BMP C: Revisions to the MS4 Program Plan

Permit Section: Part I C 4

Objective: Review the effectiveness of the MS4 Program Plan. The MS4 Program Plan shall be reviewed annually to ensure that all of the BMPs are still achieving their intended goals. All program plan changes will be summarized in the annual report and the MS4 Program Plan amended as needed.

Measurable Goal: Annual review of the MS4 Program Plan.

Necessary Documents: MS4 Program Plan.

MS4 Annual Report.

Responsible Party: DGS (Table 1).

Schedule: Each year, the MS4 Program Plan will be reviewed and all updates shall be summarized in the annual report.

Items to Report: Updates to the MS4 Program Plan shall be summarized in the annual report.

Method of Evaluation: Review of the MS4 Program Plan.

BMP D: Develop and Submit an Annual Report to DEQ

Permit Section: Part I D 1 and 2, 3, and 4

Objective: Develop an MS4 Annual Report that summarizes permit compliance for the permit period; July 1 through June 30. The MS4 annual report will be submitted to DEQ by October 1 of each permit year.

Measurable Goal: Annual report is completed and submitted to DEQ annually no later than October 1 of each year.

Necessary Documents: MS4 General Permit (Appendix A).



MS4 Program Plan.

Responsible Party: DGS (Table 1) shall be responsible for drafting and submitting the MS4 Annual Report to DEQ.

Schedule: MS4 Annual report will be submitted to DEQ on or before October 1 of each year each permit year.

Items to Report: Report items outlined in Part I D 2.

Method of Evaluation: Completion of the MS4 Annual Report.

BMP E: Evaluate Effectiveness of Program BMPs

Permit Section: Part I D 2 e

Objective: Ensure that, to the MEP, all program BMPs are achieving the objectives intended; to correct identified deficiencies and/or inefficiencies.

Measurable Goal: Each program BMP will be evaluated/critiqued annually to determine its effectiveness in achieving its stated objective, with recommendations for continuance or revision provided.

Necessary Documents: MS4 Program Plan.

Responsible Party: DGS (Table 1).

Schedule: The first evaluation shall be conducted during Permit Year 2 with future implementation through the end of the permit cycle.

Items to Report: The MS4 Annual Report will include when the evaluation was completed. It will also include a summary of any changes.

BMP F: Status Report on the Implementation of the Chesapeake Bay TMDL Action Plan

Permit Section: Part I D 4

Objective: The MS4 Annual Report shall include a status report on the implementation of the Chesapeake Bay TMDL Action Plan in accordance with Part II A of this permit including any revisions to the plan.

Measurable Goal: Annual reporting on the status of the Chesapeake Bay TMDL Action Plan.

Necessary Documents: Loudoun County Chesapeake Bay TMDL Action Plan (Appendix A).



Loudoun County Chesapeake Bay TMDL Action Plan, Phase II (Appendix A).

Responsible Party: DGS (Table 1).
Schedule: Provide in each annual report.
Items to Report: Status on meeting the Chesapeake Bay reduction goals.

BMP G: Status Report on the Implementation of the Local TMDL Action Plans

Permit Section: Part I, D 5

Objective: The MS4 Annual Report shall include a status report on the implementation of the local TMDL action plans in accordance with Part II B including any revisions to the plan.

Measurable Goal: Annual reporting on the status of the local TMDL Action Plans.

Necessary Documents: Loudoun County Local TMDL Action Plans (Appendix A).

Responsible Party: DGS (Table 1).

Schedule: Provide in each annual report.

Items to Report: Status on meeting the local TMDL reduction goals.



MCM 1: Public Education and Outreach BMPs

BMP 1A: Revise the Public Education and Outreach Program

Permit Section: Part I E 1 a

Objective: The permittee shall implement a Public Education and Outreach Program (PEOP) designed to:

1. Increase the public's knowledge of how to reduce stormwater pollution, placing priority on reducing impacts to impaired waters and other local water pollution concerns;
2. Increase the public's knowledge of hazards associated with illegal discharges and improper disposal of waste, including pertinent legal implications; and
3. Implement a diverse program with strategies that are targeted toward individuals or groups most likely to have significant stormwater impacts.

The PEOP (Appendix A) developed under the previous permit, dated May 2016, shall be updated to meet the current permit requirements.

Measurable Goal: Development of a public education and outreach program that meets the current permit requirements.

Necessary Documents: Existing Public Education and Outreach Plan (Appendix A).

Responsible Party: DGS (Table 1).

Schedule: Plan to be revised in Year 1 and implemented in successive years.

Items to Report: Completion of the PEOP.

Method of Evaluation: Implementation of the PEOP and annual review of the PEOP.

BMP 1B: Selection of the High-Priority Stormwater Issues

Permit Section: Part I E 1 b

Objective: As part of the development of the PEOP (BMP 1A), the County shall identify no less than three high-priority stormwater issues to meet the goal of educating the public to the MEP.

Measurable Goal: Development of at least three high-priority stormwater issues.

Necessary Documents: Public Education and Outreach Plan (Appendix A).

Responsible Party: DGS (Table 1).



Schedule: Three high-priority stormwater issues developed under the previous MS4 permit will be reviewed and modified, as needed, during Year 1. The finalized high-priority stormwater issues will be implemented in successive years.

Items to Report: A list of the high-priority stormwater issues and a list of the strategies used to communicate each high-priority stormwater issue.

Method of Evaluation: Annual review of the effectiveness of each high-priority stormwater water issue.

BMP 1C: Elements to Include in the PEOP

Permit Section: Part I E 1 c

Objective: The high-priority public education and outreach program shall include the following:

1. Clearly identify the high-priority stormwater issues;
2. Explain the importance of the high-priority stormwater issues;
3. Include measures to actions the public can take to minimize the impact of the high-priority stormwater issues; and
4. Provide a contact and telephone number, website, or location where the public can find out more information.

Measurable Goal: Development of the PEOP.

Necessary Documents: Public Education and Outreach Plan (Appendix A).

Responsible Party: DGS (Table 1).

Schedule: PEOP will be updated in Year 1 and implemented in successive years.

Items to Report: A list of the high-priority stormwater issues and a list of the strategies used to communicate each high-priority stormwater issue.

Method of Evaluation: Annual review of the effectiveness of each high-priority stormwater water issue.



BMP 1D: Communicate High-Priority Stormwater Issues

Permit Section: Part I E 1 d

Objective: To use two or more of the strategies listed in Table 1 of the MS4 General Permit (Figure 1) per year to communicate to the public the high-priority stormwater issues identified in accordance with Part I E 1 b including how to reduce stormwater pollution.

Measurable Goal: Development of the PEOP.

Necessary Documents: Existing Public Education and Outreach Plan.

Responsible Party: DGS (Table 1).

Schedule: PEOP will be developed in Year 1 and implemented in successive years.

Items to Report: Report strategies from MS4 General Permit Table 1 utilized.

Method of Evaluation: Review of the effectiveness of each high-priority stormwater water issue.

Table 1 Strategies for Public Education and Outreach	
Strategies	Examples (provided as examples and are not meant to be all inclusive or limiting)
Traditional written materials	Informational brochures, newsletters, fact sheets, utility bill inserts, or recreational guides for targeted groups of citizens
Alternative materials	Bumper stickers, refrigerator magnets, t-shirts, or drink koozies
Signage	Temporary or permanent signage in public places or facilities, vehicle signage, bill boards, or storm drain stenciling
Media materials	Information disseminated through electronic media, radio, televisions, movie theater, or newspaper
Speaking engagements	Presentations to school, church, industry, trade, special interest, or community groups
Curriculum materials	Materials developed for school-aged children, students at local colleges or universities, or extension classes offered to local citizens
Training materials	Materials developed to disseminate during workshops offered to local citizens, trade organization, or industrial officials

Figure 1: MS4 General Permit Table 1



MCM 2: Public Involvement and Participation BMPs

BMP 2A: Public Involvement and Participation Procedures

Permit Section: Part I E 2 a

Objective: The County shall develop and implement procedures for the following:

1. Reporting mechanism for the public to report, at a minimum, the following:
 - a. Illicit discharges, improper disposal, or spills to the MS4
 - b. Complaints regarding land disturbance activities
 - c. Other stormwater pollution concerns;
2. Public input on the MS4 Program Plan;
3. Receiving public input or complaints;
4. Responding to public input received on the MS4 Program Plan or complaints; and
5. Maintaining documentation of public input received on the MS4 program and associated MS4 Program Plan and the County's response.

Measurable Goal: Development of the procedures outlined above.

Necessary Documents: Applicable documents will be accessible through Stormwater website.

Procedures for Public Involvement and Participation in the Stormwater Program (Appendix A).

Responsible Party: DGS (Table 1).

Schedule: Develop procedures in Year 1.

Implement the procedures in Years 2, 3, 4, and 5.

Items to Report: Completion of the procedures outlined above.

Webpage for illicit discharge, improper disposal, or spills reporting ([link](#))

Land disturbing activities complaints ([link](#))

The webpage address that contains the methods for how the public can provide input on the permittee's MS4 program ([link](#)).

Other potential stormwater pollution concerns can be reported via the Loudoun Express Request (LEx) ([link](#)).



A description of the public involvement activities to be implemented by the permittee, the anticipated time period the activities will occur, and a metric for each activity to determine if the activity is beneficial to water quality.

Method of Evaluation: Year 1: Completion of the procedures.
Years 2, 3, 4, and 5: Effectiveness of the procedures.

BMP 2B: Develop and Maintain a Stormwater Website

Permit Section: Part I E 2 b

Objective: The County shall develop and maintain a website dedicated to the MS4 Program and Stormwater Pollution Prevention.

The following information shall be posted to the webpage:

1. The effective MS4 permit and coverage letter;
2. The most current MS4 Program Plan;
3. The annual report for each year of the term covered by the permit not later than 30 days after submittal to DEQ;
4. A mechanism for the public reporting as outlined in BMP 1B above; and
5. Methods for how the public can provide input into the MS4 program plan.

Measurable Goal: Creation and maintenance of a stormwater website as outlined above.

Necessary Documents: Effective MS4 General Permit and coverage letter (Appendix A).
MS4 Program Plan.

Most recent MS4 Annual Report will be posted to the website.

Responsible Party: DGS (Table 1) will ensure that the website is up and running and will ensure that the required documents are posted to the website within the required timeframe.

Schedule: February 1, 2019 - Creation and implementation of the website 30 days after the effective date.

Ongoing maintenance of the website as needed.

November 1 each year. Post the MS4 Annual Report to the website 30 days after submittal to DEQ.

Items to Report: The County Stormwater website has been up and running for many years. The County will continue with the website.

Year 2, 3, 4, and 5: Post MS4 Annual Reports by November 1.



The Annual Report will include a summary of any public input on the MS4 program received, (including stormwater complaints) and how the county responded.

Method of Evaluation: Review effectiveness of the website.

BMP 2C: Public Involvement Opportunities

Permit Section: Part I E 2 c

Objective: The County shall implement four activities a year from two or more of the categories listed in the general permit Table 2 (see Figure 2).

From the Table 2 activities, the county will do the following;

1. Conduct Household Hazardous Waste Collection events
2. Manage a voluntary storm drain marking program
3. The Department of General Services will be the liaison to Loudoun County Environmental Commission.
4. Support various education events throughout the permit year

Measurable Goal: Successfully completing or supporting four (4) water quality improvement efforts.

Necessary Documents: None.

Responsible Party: DGS (Table 1).

Schedule: Throughout the permit year.

- Items to Report:
1. Household Hazardous Waste events
Number of participants and tons collected
 2. Storm drain marking program
Number of storm drains marked and total marked to date
 3. Loudoun County Environmental Commission
In the annual report, discuss the goals and achievements of the Environmental Commission as it relates to stormwater and water quality
 4. Support environmental education events

Table 2 Public Involvement Opportunities	
Public involvement opportunities	Examples (provided as example and are not meant to be all inclusive or limiting)
Monitoring	Establish or support citizen monitoring group
Restoration	Stream or watershed clean-up day, adopt-a-water way program,
Educational events	Booth at community fair, demonstration of stormwater control projects, presentation of stormwater materials to schools to meet applicable education Standards of Learning or curriculum requirements, watershed walks, participation on environmental advisory committees
Disposal or collection events	Household hazardous chemicals collection, vehicle fluids collection
Pollution prevention	Adopt-a-storm drain program, implement a storm drain marking program, promote use of residential stormwater BMPs, implement pet waste stations in public areas, adopt-a-street program.

Figure 2: MS4 General Permit Table 2



In the annual report, report the number of events and provide a brief description

Method of Evaluation:

Successful completion or support of four (4) activities as outlined above annually.



MCM 3: Illicit Discharge Detection and Elimination

BMP 3A: Develop an Accurate MS4 Map

Permit Section: Part I E 3 a (1)

Objective: Develop and maintain an accurate MS4 Map of the stormwater system. Loudoun County utilizes various GIS data layers for all stormwater asset management and has developed an online map of the stormwater system ([link](#)). Every 6 months (January and June) the data layers comprising this map will be updated with most current versions of the stormwater GIS data layers, as outlined below.

Measurable Goal: Semi-Annual updates to the county MS4 map as follows:

1. A map of the stormwater system owned or operated by the permittee within the Census Urbanized Area identified by the 2010 decennial census that includes:
 - a. MS4 outfalls discharging to surface waters;
 - b. A unique identifier for each mapped item;
 - c. The name and location of receiving waters to which the MS4 outfall or point of discharge discharges;
 - d. MS4 regulated service area; and
 - e. Stormwater management facilities owned or operated by the permittee.

Necessary Documents: Loudoun County GIS Data.

Responsible Party: DGS (Table 1).

Schedule: January and June of each year. Ensure the online map ([link](#)) is updated.

No later than July 1, 2019 [Part I E 3a (3)] the permittee shall submit to DEQ a GIS-compatible shapefile of the permittee's MS4 map.

Annually after the July 1, 2019 submission.

Items to Report: Confirmation statement, including dates, of stormwater map updates, digital copy of the current map.

Method of Evaluation: Review of system map to confirm it remains accurate and current.

BMP 3B: Maintain MS4 Outfall Data Information Table

Permit Section: Part I E 3 a (2)

Objective: Maintain specific and required information related to each MS4 outfall.



Measurable Goal: Annual updates to the County’s outfall data table that includes the following information for each outfall or point of discharge:

1. A unique identifier as specified on the stormwater system map;
2. The latitude and longitude of the outfall or point of discharge;
3. The estimated regulated acreage draining to the outfall or point of discharge;
4. The name of the receiving water;
5. The 6th Order Hydrologic Unit Code of the receiving water;
6. An indication as to whether the receiving water is listed as impaired in the Virginia 2016 305(b)/303(d) Water Quality Assessment Integrated Report;
7. The predominant land use for each outfall discharging to an impaired water; and
8. The name of any EPA approved TMDLs for which the permittee is assigned a wasteload allocation.

Necessary Documents: Annual Outfall Data Information Table (Appendix A).
2016 303(d)/305(b) list.

Responsible Party: DGS (Table 1).

Schedule: No later than October 1 of each year.

Items to Report: Confirmation statement, including dates, of MS4 Outfall Data Information Table updates.

Method of Evaluation: Review of GIS Data Information Tables associated with County Stormwater System Map and MS4 Outfall Data Information.

BMP 3C: Notification to Downstream MS4 Permit Holders of Interconnections.

Permit Section: Part I E 3 a (5)

Objective: Notify downstream MS4 operators, in writing, of any physical interconnections to the County’s MS4. As required in Part I E 3 d (2), the written notification to downstream interconnected MS4s will be provided upon request.

Measurable Goal: Written notification of any applicable downstream MS4 operators of stormwater systems physically interconnected with the Loudoun County MS4.

Necessary Documents: County Stormwater GIS Data.
Letters sent to interconnected MS4 permit holders (Appendix A).

Responsible Party: DGS (Table 1).



<u>Schedule:</u>	Completion by end of Permit Year 1.
<u>Items to Report:</u>	List of any written notifications to applicable downstream MS4 operators.
<u>Method of Evaluation:</u>	Successful notification of any applicable downstream MS4 operators.

BMP 3D: Written Illicit Discharge Detection and Elimination (IDDE) Procedures

Permit Section: Part I E 3 c

Objective: Written procedures to detect, identify, and address unauthorized nonstormwater discharges to the MS4. As required in Part I E 3 d (3), the revised IDDE procedures will be provided upon request.

Measurable Goal: Implement the County's IDDE procedures to address suspected illicit discharges.

Necessary Documents: Existing IDDE Procedures (Appendix A).

Responsible Party: DGS (Table 1).

Schedule: Year 1 – Revise/update the IDDE procedures.

Ongoing program, with implementation of revised IDDE procedures by the start of Permit Year 2.

Items to Report: Total number of IDDE incidences found each permit year and a summary of how the issue was resolved.

Method of Evaluation: Review of IDDE procedure's success in detecting illicit discharges to the County's MS4.

BMP 3E: Conduct System Screening for Illicit Discharge Detection

Permit Section: Part I, E 3 c (2)

Objective: Effectively and efficiently identify, to the MEP, illicit discharges to the County's MS4.

Measurable Goal: Conduct dry weather screening of MS4 outfalls per the IDDE procedures (Appendix A).

Necessary Documents: IDDE Procedure (Appendix A).

Responsible Party: DGS (Table 1).



Schedule: Ongoing program, with implementation of revised IDDE procedures in Year 2.

Items to Report: Items to report are summarized in the IDDE Procedure document (Appendix A).

Total number of outfalls screened, screening results, and detail of any related follow-up actions.

Method of Evaluation: Review of IDDE procedures, including dry weather screening, and their success in detecting illicit discharges to the County's MS4.

BMP 3F: Investigate and Address Illicit Discharges

Permit Section: Part I E 3 c (3), (4), and (5)

Objective: Eliminate, to the MEP, illicit discharges to the MS4 based on the County's revised IDDE procedures established per Part I 3 c of the MS4 General Permit.

Measurable Goal: Implement the County's IDDE procedures to address suspected illicit discharges discovered through dry weather screening, observations of County staff, or calls and reports from the general public.

Necessary Documents: IDDE Procedure as outlined in Part I E 3 c
County Stormwater Management Ordinance (Chapter 1096, Codified Ordinances of Loudoun County, §1096.04: Violations)

Responsible Party: DGS (Table 1).

Schedule: Ongoing program, with implementation of revised IDDE procedures in Year 2.

Items to Report: Summary of each investigation of any suspected illicit discharge as follows:

1. Date(s) suspected discharge observed and/or reported;
2. Results of the investigation, including the source, if identified;
3. Any follow-ups to the investigation;
4. Resolution of investigation; and
5. Date investigation completed/closed.

Method of Evaluation: Review of IDDE procedures and their success in finding and eliminating illicit discharges to the County's MS4.



MCM 4: Construction Site Stormwater Runoff Control

BMP 4A: Administer County E&S Program

Permit Section: Part I E 4 a (1) and (5)

Objective: Ensure, to the MEP, the administration and implementation of County E&S. The permittee shall implement the VESCP consistent with the Virginia Erosion and Sediment Control Law (§ 62.1-44.15:51 et seq. of the Code of Virginia) and Virginia Erosion and Sediment Control Regulations (9VAC25-840).

Measurable Goal: Maintain a rating of “consistent” for the County’s E&S Program during permit cycle.

Necessary Documents: Most current version of documents, as follows:

- a. Facilities Standards Manual (FSM) (Appendix A)
- b. E&S Ordinance (County Code Chapter 1220) (Appendix A)
- c. Loudoun County Grading Permit Packet (Appendix A)
- d. Plan Review Checklist (Appendix A)
- e. Site Inspection Checklist (Appendix A)
- f. Compliance and Enforcement Policies (Appendix A)

Responsible Party: B&D (Table 1).

Schedule: Ongoing program.

Items to Report: For each annual report, the following shall be tracked and submitted:

- a. Total number of inspections conducted
- b. Total number and type of enforcement actions implemented and the type enforcement actions.

BMP 4B: MCM 4 Items to Include in the Program Plan

Permit Section: Part I E 4 c

Objective: To include those required items of Part I E 4 c, which are applicable to Loudoun County. The applicable items to Loudoun County are:

1. If the permittee implements a construction site stormwater runoff control program in accordance with Part I E 4 a (1), the local ordinance citations for the VESCP program;
2. A description of the legal authorities utilized to ensure compliance with Part I E 4 a to control construction site stormwater runoff control such as ordinances, permits, orders, specific contract language, policies, and interjurisdictional agreements;



3. Written inspection procedures to ensure the erosion and sediment controls are properly implemented and all associated documents utilized during inspection including the inspection schedule;
4. Written procedures for requiring compliance through corrective action or enforcement action to the extent allowable under federal, state, or local law, regulation, ordinance, or other legal mechanisms; and
5. The roles and responsibilities of each of the permittee's departments, divisions, or subdivisions in implementing the construction site stormwater runoff control requirements in Part I E 4.

Measurable Goal: Not applicable.

Necessary Documents: Most current version of documents, as follows:

- a. E&S Ordinance (County Code Chapter 1220)
- b. Stormwater Ordinance (County Code Chapter 1096)

Responsible Party: Department of Building and Development (B&D) (Table 1).
DGS (Table 1).

Schedule: Not applicable.

Items to Report: The local ordinance for the Loudoun County Erosion and Sediment Program is the Codified Ordinances of Loudoun County Chapter 1220 ([link](#)).

The legal authorities utilized to ensure compliance with Part I E 4 are; the Codified Ordinances of Loudoun County, Chapters 1220 Erosion Control ([link](#)); 1096 Stormwater Management ([link](#)); and the MS4 General Permit (VAR040067).

B&D maintains SOPs for Erosion and Sedimentation Control inspection and enforcement (Appendix A).

Erosion and Sedimentation Control Program Enforcement Protocols, Dated September 6, 2002 ([link](#)).

B&D

- E&S plan review
- E&S inspections and enforcement
- VSMP permit compliance

DGS

- Post-construction BMP maintenance and inspection
- MS4 permit compliance

Method of Evaluation: Not applicable.



BMP 4C: MCM 4 Items to Include in the Annual Report

Permit Section: Part I E 4 d

Objective: To include those required items outlined in Part I E 4 d, which are required to be included in the annual report.

The annual report shall include the following:

1. Total number of inspections conducted; and
2. The total number and type of enforcement actions implemented and the type of enforcement actions.

Measurable Goal: Report the items listed above.

Necessary Documents: E&S inspections. Need to report the total number.

E&S enforcement actions. Need to report the total number.

Responsible Party: B&D (Table 1) is responsible for conducting the inspections and maintaining the required files.

DGS (Table 1) is responsible for reporting this information in the annual report.

Schedule: Ongoing.

Items to Report: Total number of E&S inspections conducted.

The total number and type of enforcement actions implemented and the type of enforcement actions.

Method of Evaluation: Not applicable.



MCM 5: Post-Construction Stormwater Management for New Development and Development on Prior Developed Lands

BMP 5A: Administer County VSMP Program

Permit Section: Part I, E 5 a (1)

Objective: The permittee shall address post-construction stormwater runoff that enters the MS4 from the following land disturbing activities by implementing a post-construction stormwater runoff management program as follows:

If the permittee is a city, county, or town, with an approved Virginia Stormwater Management Program (VSMP), the permittee shall implement the VSMP consistent with the Virginia Stormwater Management Act (§ 62.1-44.15:24 et seq. of the Code of Virginia) and VSMP Regulations (9VAC25-870) as well as develop an inspection and maintenance program in accordance with Parts I E 5 b and c.

Measurable Goal: To the MEP Loudoun County will administer its VSMP consistent will all applicable state regulations.

Necessary Documents: Stormwater Management Ordinance (Chapter 1096, Codified Ordinances of Loudoun County).
County stormwater facility inspection checklist.
County inspections and maintenance written procedures.

Responsible Party: B&D (Table 1).

Schedule: Daily plan review for land disturbance projects submitted to the County for approval.

Items to Report: Written statement that the County is in compliance with the state code outlined within this section.

Method of Evaluation: Annual review of the program to ensure compliance.

BMP 5B: Develop and Maintain Written Inspection and Maintenance Procedures for Stormwater BMPs

Permit Section: Part I, E 5 b (1)

Objective: Ensure, to the MEP, that the County's inspection and maintenance program for the post-construction stormwater management facilities is documented and followed by county staff and contractors.

Measurable Goal: The County will continue to follow the current inspection and maintenance procedures. In Year 1, the county will review its current procedures and



update them as needed. County will implement any changes to the procedures in the following permit years.

- Necessary Documents:** Stormwater Management Ordinance (Chapter 1096, Codified Ordinances of Loudoun County)
- County inspections and maintenance written procedures (Appendix A).
- Responsible Party:** DGS (Table 1).
- Schedule:** Year 1 – review existing procedures and update as needed.
- Following permit years - ongoing program.
- Items to Report:** Compliance with procedures.
- Method of Evaluation:** Review the procedures to ensure they are still meeting the needs of the program.

BMP 5C: Inspect Permanent Post-Construction Stormwater BMPs

- Permit Section:** Part I E 5 b (2)
- Objective:** Ensure, to the MEP, that the County’s permanent post-construction stormwater management facilities are functioning as designed for stormwater runoff quality and quantity management.
- Measurable Goal:** The County will perform annual inspections of the permanent post-construction stormwater management BMPs either owned by the County or within the County and situated outside of the VDOT maintained right-of-way, Dulles Greenway property and right-of-way, Dulles International Airport property and right-of-way, the County’s incorporated towns, and are not a separately permitted facility.
- Necessary Documents:** Stormwater Management Ordinance (Chapter 1096, Codified Ordinances of Loudoun County).
- County stormwater facility inspection checklists.
- County inspections and maintenance written procedures.
- Responsible Party:** DGS (Table 1).
- Schedule:** Ongoing.
- Items to Report:** The total number of private and public BMP inspections completed.



For private BMP inspections, the total number of enforcement actions will be noted.

For public BMP inspections, a description of the significant maintenance repair or retrofit activities shall be provided.

Method of Evaluation: Not applicable.

BMP 5D: Provide Long-Term Maintenance for Operator-Owned BMPs

Permit Section: Part I E 5 b (3)

Objective: Provide long-term maintenance, as necessary, so that permanent stormwater facilities for which the County has primary maintenance responsibility are functioning to their original design capabilities.

Measurable Goal: Maintenance performed, as necessary, so applicable stormwater facilities are functioning to original design capabilities.

Necessary Documents: Stormwater management facility inspection reports.

Summary of maintenance performed.

Agreement for Maintenance of a Stormwater Management Pond (Appendix A).

Responsible Party: DGS (Table 1).

Schedule: Ongoing program.

Items to Report: Total number of inspections conducted.

Description of the significant maintenance, repair, or retrofit activities. Routine maintenance activities (e.g. mowing, trash removal) are not required to be reported.

Method of Evaluation: Not applicable.

BMP 5E: Require Adequate Long-Term Maintenance for Privately Maintained BMPs

Permit Section: Part I E 5 c (1), and (2)

Objective: Ensure, to the MEP, that permanent stormwater facilities for which the County does not have primary maintenance responsibility (i.e. private facilities) are receiving adequate long-term maintenance to function at their original design capability.



Measurable Goal: Notify property owners responsible for maintaining stormwater management facilities of those deficiencies, discovered during County inspections, keeping the facility from functioning to their original design capability utilizing enforcement procedures outlined in Chapter 1096, Codified Ordinances of Loudoun County.

Necessary Documents: Stormwater Management Ordinance (Chapter 1096, Codified Ordinances of Loudoun County).

Inspection findings.

Private BMP Enforcement Procedures.

Facilities Maintenance Performance Agreement (Appendix A)

Responsible Party: DGS (Table 1).

Schedule: Ongoing.

Items to Report: Number of privately-owned stormwater management facility inspections conducted.

Number of and type of enforcement actions initiated.

Method of Evaluation: Review record of maintenance execution based on requirements conveyed in inspection reports submitted on facilities for which the property owner has primary maintenance responsibilities.

BMP 5F: Maintain an Electronic Database of All Permanent Stormwater Management Facilities

Permit Section: Part I E 5 d, e, f, and g.

Objective: Maintain the electronic database of all known stormwater management facilities (public and private). The database will include all BMPs implemented by the permittee to meet the Chesapeake Bay TMDL load reduction as required in Part II A.

The electronic database shall be updated no later than 30 days after a new stormwater management facility is brought online, a new BMP is implemented to meet a TMDL load reduction as required in Part II, or discovered if it is an existing stormwater management facility.

The County shall use the DEQ Construction Stormwater Database or other application as specified by the department to report each stormwater management facility installed after July 1, 2014, to address the control of post-construction runoff from land disturbing activities for which the permittee is



required to obtain a General VPDES Permit for Discharges of Stormwater from Construction Activities.

Measurable Goal: Maintain the existing database ([link](#)).

Necessary Documents: Inventory of permanent structural stormwater management facilities discharging to the regulated small MS4.

2016 303(d)/305(b) list.
Most recent inspection results.

Responsible Party: DGS (Table 1).

Schedule: Within 30 days of facility completion/discovery.

Items to Report: For each stormwater management facility brought online and taken offline during each reporting year the following information is to be reported:

- a. Facility unique identifier
- b. Facility type
- c. Geographic location (latitude and longitude)
- d. Number of acres treated by the facility
 - i. With breakdown of pervious and impervious acres
- e. Date the facility was brought on line
- f. Sixth order hydrologic unit code (HUC)
- g. Operator- or privately-owned
 - i. If privately-owned, whether maintenance agreement exists
- h. Whether or not the stormwater management facility or BMP is part of the permittee's Chesapeake Bay TMDL action plan required in Part II A or local TMDL action plan required in Part II B, or both
- i. Date of operator's most recent inspection

A confirmation statement that the permittee submitted stormwater management facility information through the Virginia Construction Stormwater General Permit database for those land disturbing activities for which the permittee was required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities in accordance with Part I E 5 f or a statement that the permittee did not complete any projects requiring coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities.

A confirmation statement that the permittee electronically reported BMPs using the DEQ BMP Warehouse in accordance with Part I E 5 g and the date on which the information was submitted.

Method of Evaluation: Conduct quality control (i.e., spot check) of database entries made within the permit year to ensure data accuracy.



MCM 6: Pollution Prevention/Good Housekeeping for Municipal Operations

BMP 6A: Maintain and Implement Written Procedures

Permit Section: Part I E 6 a

Objective: Maintain existing written procedures and implement new procedures, as needed, at county-owned facilities within the MS4. The written procedures shall be designed as follows:

1. Prevent illicit discharges;
2. Ensure the proper disposal of waste materials, including landscape wastes;
3. Prevent the discharge of wastewater or permittee vehicle wash water or both into the MS4 without authorization under a separate VPDES permit;
4. Require implementation of best management practices when discharging water pumped from utility construction and maintenance activities;
5. Minimize the pollutants in stormwater runoff from bulk storage areas (e.g., salt storage, topsoil stockpiles) through the use of best management practices;
6. Prevent pollutant discharge into the MS4 from leaking municipal automobiles and equipment; and
7. Ensure that the application of materials, including fertilizers and pesticides, is conducted in accordance with the manufacturer's recommendations.

Measurable Goal: Update the written materials for county-owned facilities within the MS4 boundary.

Necessary Documents: *Existing Standard Operating Procedures* (Appendix A, [link](#)).
Land Disturbing SOP
Landscaping and Grounds Maintenance SOP
Loading-Unloading SOP
Material Storage SOP
Non-Stormwater Discharges SOP
Pool Operation SOP
Road, Street and Parking Lot SOP
Small Equipment SOP
Spill Response SOP
Storm Sewer System Cleaning & Maintenance SOP
Vehicle Fueling SOP
Vehicle-Equipment Maintenance/Repair SOP
Vehicle-Equipment Storage SOP
Vehicle-Large Equipment Washing SOP



Waste Management SOP

Responsible Party:

DGS (Table 1).

Schedule:

Year 1 – Review of existing SOPs.

Years 2, 3, 4, and 5 – Implementation.

Items to Report:

Year 1 – Updated written procedures.

The written procedures will be provided upon request (Appendix A).

Method of Evaluation:

Annual review of written procedures for appropriateness and need of new procedures.

BMP 6B: Develop and Implement SWPPPs for Identified “High Priority” Facilities

Permit Section:

Part I E 6 c, d, and g

Objective:

The County will continue to implement the SWPPPs that were developed under the previous permit.

Measurable Goal:

The County shall follow all parameters within each existing SWPPP.

Necessary Documents:

- Facility SWPPPs (Appendix A).
- Claude Moore Park SWPPP
- PRCS Trailside Maintenance Facility SWPPP
- Potomac Lakes Sportsplex SWPPP
- Fire & Rescue EM Training Center SWPPP
- Central Warehouse SWPPP

Responsible Party:

DGS (Table 1).

Schedule:

Ongoing.

Items to Report:

Listing of the SWPPPs, dates of annual inspection, any findings, and corrective actions.

Method of Evaluation:

Review the effectiveness of SWPPPs.



BMP 6C: Annual Review for New County Owned or Operated “High Priority” Facilities

Permit Section: Part I E 6 e

Objective: No later than June 30 of each permit year, conduct a review of County owned or operated facilities within the MS4 to determine if the facility has a high potential for discharging pollutants as described in Part I.E.6.c. If the facility is determined to be a high-priority facility with a high potential to discharge pollutants, develop a SWPPP meeting the requirements of Part I.E.6.d no later than December 31 of that same permit year.

Measurable Goal: Annual review of County owned or operated facilities and development of new SWPPPs as needed.

Necessary Documents: Facility SWPPPs (Appendix A).
Claude Moore Park SWPPP
- PRCS Trailside Maintenance Facility SWPPP
Potomac Lakes Sportsplex SWPPP
Fire & Rescue EM Training Center SWPPP
Central Warehouse SWPPP

Responsible Party: DGS (Table 1).

Schedule: Annual review conducted by June 30 of each permit year.

If needed, development of new SWPPPs by December 31 of each permit year.

Items to Report: Annually – Report the results of the review.

If needed, provide copies of the newly developed SWPPPs.

List of the High Priority facilities owned and/or operated by the MS4 and whether or not they have a high potential to discharge.

Method of Evaluation: Annual review.

BMP 6D: SWPPP Review after Reports of Unauthorized Discharges

Permit Section: Part I E 6 f

Objective: The permittee shall review the contents of any site specific SWPPP no later than 30 days after any unauthorized discharge, release, or spill reported in accordance with Part III G to determine if additional measures are necessary to prevent future unauthorized discharges, releases, or spills. If necessary, the SWPPP shall be updated no later than 90 days after the unauthorized discharge.



Measurable Goal: Investigate all unauthorized discharges to the MS4 at County owned or operated facilities with a SWPPP.

Necessary Documents: Facility SWPPPs.

Responsible Party: DGS (Table 1).

Schedule: As needed.

Items to Report: Report unauthorized discharges as outline in Part III G.

Method of Evaluation: Review reports and SWPPPs as needed.

BMP 6E: Maintain and Implement Turf and Landscape Nutrient Management Plans (NMPs)

Permit Section: Part I E 6 i

Objective: The permittee shall maintain and implement turf and landscape NMPs that have been developed by a certified turf and landscape nutrient management planner in accordance with § 10.1-104.2 of the Code of Virginia on all lands owned or operated by the permittee where nutrients are applied to a contiguous area greater than one acre. If nutrients are being applied to achieve final stabilization of a land disturbance project, application shall follow the manufacturer's recommendations.

Measurable Goal: Maintain current NMPs as applicable. Annual review of county owned or operated facilities within the MS4 service area to establish the need for new NMPs.

Necessary Documents: County Facilities Nutrient Management Plans (Appendix A).

Responsible Party: DGS (Table 1) with assistance from Parks, Recreation & Community Services (PRCS).

Schedule: By the end of Year 1 conduct a review of the existing NMPs and a review of county owned or operated facilities that meet the requirements of Part I E 6 i.

Update the plans and create new plans as needed in the following permit years.

Items to Report: Listing of current NMPs and their expiration date and any new NMPs added within the permit year (Appendix A).

Method of Evaluation: Updating of NMPs that require updates and creation of NMPs where applicable.



BMP 6F: Prohibition on the Use of Deicing Agents Containing Nitrogen or Phosphorus

Permit Section: Part I E 6 k

Objective: 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.

Measurable Goal: Do not use deicing agents that contain the chemicals described in Part I E 6 k.

Necessary Documents: Manufacturer's MSDS for the deicing chemicals used by the Public Works Crew.

SOP – Road, Street, and Parking Lot Maintenance, Version 2, dated May 1, 2019.

Responsible Party: DGS (Table 1).

Schedule: Not applicable.

Items to Report: Statement that the chemical outlined in Part I E 6 k or not used by the County.

Method of Evaluation: Not applicable.

BMP 6G: Require Municipal Contractors to Use Appropriate Control Measures and Procedures for Stormwater Discharges

Permit Section: Part I E 6 l

Objective: Require, to the MEP, that municipal contractors use appropriate control measures and procedures for stormwater discharges to the County's MS4.

Measurable Goal: Develop and include verbiage in the appropriate standard agreements for municipal contractors, requiring appropriate control measures/procedures and pollution prevention protocols for stormwater discharges to the County's MS4.

Necessary Documents: Loudoun County Standard Contract. Loudoun County Standard Stormwater Contracting Scopes of Work.

Responsible Party: DGS (Table 1), with assistance from the County Purchasing Department and County Attorney's Office.



<u>Schedule:</u>	In the previous contract, the county added language to its standard contract and to the detailed scope of work template documents specifically for stormwater maintenance contracts.
<u>Items to Report:</u>	Report annually that the verbiage remains in these documents.
<u>Method of Evaluation:</u>	DGS will confirm annually that the appropriate verbiage is contained within these documents.

BMP 6H: Develop a Training Plan Associated with Stormwater

Permit Section: Part I E 6 m

Objective: The permittee shall develop a training plan in writing for applicable staff that ensures the following:

1. Field personnel receive training in the recognition and reporting of illicit discharges no less than once per 24 months;
2. Employees performing road, street, and parking lot maintenance receive training in pollution prevention and good housekeeping associated with those activities no less than once per 24 months;
3. Employees working in and around maintenance, public works, or recreational facilities receive training in good housekeeping and pollution prevention practices associated with those facilities no less than once per 24 months;
4. Employees and contractors hired by the permittee who apply pesticides and herbicides are trained or certified in accordance with the Virginia Pesticide Control Act (§ 3.2-3900 et seq. of the Code of Virginia. Certification by the Virginia Department of Agriculture and Consumer Services (VCACS) Pesticide and Herbicide Applicator program shall constitute compliance with this requirement;
5. Employees and contractors serving as plan reviewers, inspectors, program administrators, and construction site operators obtain the appropriate certifications as required under the Virginia Erosion and Sediment Control Law and its attendant regulations;
6. Employees and contractors implementing the stormwater program obtain the appropriate certifications as required under the Virginia Stormwater Management Act and its attendant regulations; and
7. Employees whose duties include emergency response have been trained in spill response. Training of emergency responders such as firefighters and law-enforcement officers on the handling of spill



releases as part of a larger emergency response training shall satisfy this training requirement and be documented in the training plan.

Measurable Goal: Update of the training plan and successful completion of training classes/modules.

Necessary Documents: Training Plan.

Responsible Party: DGS (Table 1), with assistance from Department of PRCS and B&D.

Schedule: Continue with existing plan in Year 1.

Update existing training plan to meet Part I E 6 m during Year 1 and implement in Year 2.

Items to Report: Maintain documentation of each training event conducted by the permittee to fulfill the requirements of Part I E 6 m for a minimum of three years after the training event. The documentation shall include the following information:

1. The date of the training event;
2. The number of employees attending the training event; and
3. The objective of the training event.

Method of Evaluation: Annual review of the Training Plan.



Appendix A

Listing of Loudoun County MS4 Documents Incorporated by Reference

Document Name	Version	Date
Chapter 1096 of the Loudoun County Codified Ordinances	As amended	October 10, 2018
Chapter 1220 of the Loudoun County Codified Ordinances	As amended	December 12, 2017
General VPDES Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems	VAR040067	November 1, 2018
Loudoun County, Virginia Phase II Chesapeake Bay TMDL Action Plan	Final	November 1, 2019
Loudoun County, Virginia Comprehensive TMDL Action Plan for Benthic TMDLS for the Goose Creek Watershed, Benthic TMDL Development for Bull Run, Bacteria TMDLs for Popes Head Creek, Broad Run, Kettle Run, South Run, Little Bull Run, Bull Run and the Occoquan River	Final	May 1, 2020
Procedures for Public Involvement and Participation in the Stormwater Program (link)	Version 1	August 21, 2019
Written Notification to interconnected MS4 permit holders (link)	Final	November 19, 2021
Public Education and Outreach Plan	Version 2	June 10, 2019
MS4 Permit Coverage Letter	Final	October 31, 2018
MS4 Map (link)	Online	Online
MS4 Outfall Table	Final	October 1, 2021
Illicit Discharge Detection and Elimination (IDDE) Procedure (link)	Version 2	June 10, 2019
Facilities Standards Manual	As amended	January 15, 2018
Loudoun County Grading Permit Packet	Final	February 11, 2019 (Revised)
Loudoun County Erosion and Sediment Control Program Enforcement Protocol (link).	Final	August 19, 2010
Stormwater BMP Facility Inspection and Maintenance Procedure (link)	Version 1	August 21, 2019
Agreement for Maintenance of a Stormwater Management Pond (link)	Version 8	November 21, 2017
Facilities Maintenance Performance Agreement (link)	Version 11	January 5, 2018
Training Plan	Version 3	June 2, 2021



**Loudoun County
Pollution Prevention / Good Housekeeping
Standard Operating Procedures**

Document Name	Version	Date
Land Disturbance SOP	Version 2	November 1, 2019
Landscaping and Grounds Maint. SOP	Version 2	November 1, 2019
Loading-Unloading SOP	Version 2	November 1, 2019
Material Storage SOP	Version 3	January 1, 2019
Non-Stormwater Discharge SOP	Version 2	November 1, 2019
Pool Operations SOP	Version 2	November 1, 2019
Small Equipment Washing SOP	Version 2	November 1, 2019
Road, Street, and Parking Lot Maint. SOP	Version 3	November 1, 2019
Spill response SOP	Version 2	November 1, 2019
Storm Sewer Cleaning and Maint. SOP	Version 2	November 1, 2019
Vehicle Fueling SOP	Version 2	November 1, 2019
Vehicle and Equipment Maint. And Repair SOP	Version 2	November 1, 2019
Vehicle and Equipment Storage SOP	Version 2	November 1, 2019
Vehicle Large Equipment Washing SOP	Version 2	November 1, 2019
Waste Management SOP	Version 2	November 1, 2019

**Loudoun County
High Priority Municipal Facility
Stormwater Pollution Prevention Plans**

Document Name	Version	Date
Claude Moore Park SWPPP	Version 2	August 19,2020
Potomac Lakes SWPPP	Version 2	August 2,2021
PRCS Trailview SWPPP	Version 2	August 19,2020
Fire Rescue SWPPP	Version 1	June 23,2017
Central Warehouse SWPPP	Version 1	June 23,2017



**Loudoun County Nutrient Management Plans Incorporated by Reference
Location**

Plan Name	Total Acres on Which Nutrients are Applied	Plan Start Date	Plan End Date	Location Address	Location Coordinates (NAD 83, Deg Min Sec)
Ashburn Library	1.05	9/24/2020	9/24/2025	43316 Hay Road Ashburn, VA 20147	39° 2' 45" -77° 23' 41"
Cascades Library and Senior Center	1.12	9/24/2020	9/24/2025	21030 Whitfield Place Potomac Falls, VA 20165	39° 1' 60" -77° 30' 9"
Bles Park	9.1	4/1/2019	4/1/2022	44830 Riverside Parkway, Ashburn, VA 20147	39° 04' 07" -77° 26' 57"
Byrnes Ridge Park	21.0	4/1/2019	4/1/2022	24915 Mineral Springs Circle, South Riding, VA 20105	38° 55' 43" -77° 33' 08"
Conklin Park	6.1	4/1/2019	4/1/2022	25701 Donegal Drive, Chantilly, VA 20152	38° 54' 29" -77° 31' 25"
Ray Muth Sr. Park	5.4	11/1/2019	11/1/2022	20971 Marblehead Drive, Ashburn, VA 20148	39° 2' 9" -77° 27' 38"
Scott Jenkins Park	2.2	11/1/2019	11/1/2022	39464 Colonial Highway, Hamilton, VA 20158	39° 8' 12" -77° 38' 20"
Trailside Park	2.8	7/15/2019	7/15/2022	Claiborne Parkway, Ashburn, VA 20147	39° 3' 8" -77° 30' 18"
Lyndora Park	2.5	7/15/2019	7/15/2022	Lucketts Bridge Circle, Ashburn VA, 20148	38° 59' 18" -77° 29' 31"
Greg Crittenden Memorial Park	1.6	7/15/2019	7/15/2022	21401 Windmill Dr, Ashburn, VA 20147	39° 1' 56" -77° 29' 49"
Chick Ford & Ryan Bickel Fields	1.5	7/15/2019	7/15/2022	21597 Ashburn Village Blvd, Ashburn, VA 20147	39° 2' 15" -77° 28' 30"
Cascades Library and Senior Center	1.1	9/24/2020	9/24/2025	21030 Whitfield Place Potomac Falls, VA 20165	39° 1' 59" -77° 23' 41"
Ashburn Library NMP	1.1	9/24/2020	9/24/2025	43316 Hay Road, Ashburn VA 20147	39° 2' 45" -77° 30' 9"
Claude Moore Park	9.8	11/1/2019	11/1/2022	46105 Loudoun Park Lane, Sterling, VA 20164	39° 0' 53" -77° 24' 15"
Potomac Lakes Sportsplex	20.1	11/1/2019	11/1/2022	20280 Cascades Parkway, Sterling, VA 20165	39° 3' 14" -77° 22' 42"
East Gate Park	3.4	4/1/2019	4/1/2022	43664 Tall Cedars Parkway, Chantilly, VA 20152	38° 54' 44" -77° 29' 33"
Dulles South PSC	1.6	4/15/2019	4/15/2022	25216 Loudoun County Prkwy Chantilly, VA 20152	38° 55' 10" -77° 31' 1"
Eastern Sheriff Substation	0.9	4/15/2019	4/15/2022	46620 E Frederick Drive Sterling, VA 20164	38° 0' 57" -77° 23' 12"
East Gate Park & Ride	1.8	4/15/2019	4/15/2022	43664 Tall Cedars Pkwy Chantilly, VA 20152	38° 54' 42" -77° 29' 30"
Harmony Park & Ride	1.3	4/15/2019	4/15/2022	39464 E Colonial Highway Hamilton, VA 20158	39° 8' 11" -77° 38' 6"
Kincora Fire Station	0.9	4/15/2019	4/15/2022	45900 Russel Branch Prkwy Ashburn, VA 20147	39° 1' 49" -77° 25' 59"



Plan Name	Total Acres on Which Nutrients are Applied	Plan Start Date	Plan End Date	Location Address	Location Coordinates (NAD 83, Deg Min Sec)
Lansdowne Fire Station	1.1	4/15/2019	4/15/2022	19485 Sandridge Way Leesburg, VA 20176	39° 4' 37" -77° 29' 1"
Moorefield Fire and Rescue	1.05	4/15/2019	4/15/2022	43495 Old Ryan Road Ashburn, VA 20148	39° 0' 32" -77° 29' 47"
Stone Ridge Park & Ride	1.0	4/15/2019	4/15/2022	24281 Millstream Drive Aldie, VA 20105	38° 56' 16" -77° 33' 21"
Western Sheriff's Office	1.6	4/15/2019	4/15/2022	47 West Loudoun Street Round Hill, VA 20141	39° 8' 1" -77° 46' 39"
Purcellville Fire Station	2.2	4/15/2019	4/15/2022	500 North Maple Avenue Purcellville, VA 20132	39° 8' 37" -77° 41' 49"
Middleburg Fire Station	0.6	4/15/2019	4/15/2022	910 West Washington Street Middleburg, VA 20117	38° 58' 3" -77° 44' 49"
Lovettsville Library	0.2	4/15/2019	4/15/2022	12 North Light Street Lovettsville, VA 20180	39° 16' 27" -77° 38' 1"
Loudoun Heights Fire Station	2.4	4/15/2019	4/15/2022	13345 Harpers Ferry Road Purcellville, VA 20132	39° 14' 55" -77° 43' 39"
Franklin Park	14.92	4/15/2019	4/15/2022	17501 Franklin Park Drive Purcellville, VA 20132	39° 7' 55" -77° 44' 38"
Ashburn Sheriff	1.8	4/15/2019	4/15/2022	20272 Savin Hill Drive Ashburn, VA 20147	39° 3' 13" -77° 27' 35"

Appendix B

BMP Evaluations

MS4 Program Audit



Commonwealth of Virginia

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE
13901 Crown Court, Woodbridge, Virginia 22193
(703)583-3800 FAX (804) 698-4178
www.deq.virginia.gov

Ann Jennings
Secretary of Natural and Historic Resources

David K. Paylor
Director
(804) 698-4000

Thomas A. Faha
Regional Director

October 26, 2021

By Email: (chris.stone@loudoun.gov)

CONFIRMATION RECEIPT REQUESTED

Mr. Chris Stone
Chief, Stormwater Management
Loudoun County
PO Box 7100
Leesburg, VA 24201

Re: Virginia Pollutant Discharge Elimination System MS4 Registration No. VAR040067
Loudoun County FY2021 MS4 Audit

Dear Mr. Stone:

The Virginia Department of Environmental Quality (DEQ) would like to thank you for your time and assistance during the **September 21, 2021** audit of your MS4 program. With this letter is a copy of the MS4 audit report that contains recommendations and corrective actions to improve the MS4 program. DEQ asks that you submit a written response addressing the corrective actions contained in the MS4 audit report on or before **November 29, 2021**.

If necessary, you may propose an alternative date by which to submit the requested response with a supporting reason. If you have any questions regarding this letter or the attached MS4 audit report, please contact me at anna.tuthill@deq.virginia.gov or 703-583-3837. DEQ looks forward to working with you as you continue to develop and refine your MS4 Program.

Sincerely,

A handwritten signature in black ink that reads "Anna Tuthill".

Anna Tuthill
DEQ-NRO MS4 Compliance Inspector/Coordinator

**Virginia Department of Environmental Quality
Municipal Separate Storm Sewer System (MS4)
Compliance Audit Checklist (FY2021)**

MS4 Name: Loudoun County		Permit No: VAR040067
MS4 Contact: Chris Stone (Chief, Stormwater Mgmt.) Loudoun County		Telephone/Email: 571-258-3542 chris.stone@loudoun.gov
Date of Audit: 9/21/2021 (Site Visit) 9/28/2021 (Conference Call)		Notified of Audit: Yes
DEQ Region: NRO		Weather: The high temperature on the date of the inspection was 81° F; skies were cloudy. The last measurable rainfall in this area was on 9/17/2021.
Date Report Issued: 10/26/2021		Response Due Date: 11/29/2021
DEQ Inspector(s) Present: Anna Tuthill and Emily Janzow (conducted construction inspection)		
Programmatic Elements Reviewed:		
<input checked="" type="checkbox"/> Overall Program Management <input checked="" type="checkbox"/> Construction Stormwater Runoff <input checked="" type="checkbox"/> Public Education & Outreach <input checked="" type="checkbox"/> Post-Construction Stormwater Runoff <input checked="" type="checkbox"/> Public Involvement/Participation <input checked="" type="checkbox"/> PP/GH for Municipal Operations <input checked="" type="checkbox"/> Illicit Discharge Detection & Elimination		
MS4 Representatives Present: 9/21/2021 Site Visit and 9/28/2021 Telephone Call		
Name	Department	Phone Number/Email
Participated in the conference call.		
Chris Stone	Chief, Stormwater Management Loudoun County	571-258-3542/chris.stone@loudoun.gov
Participated in the site visit.		
Chris Stone	Chief, Stormwater Management Loudoun County	571-258-3542/chris.stone@loudoun.gov
Max Kuker	GKY Associates	703-870-7000/mkuker@gky.com
Karl Evans	Senior Stormwater Engineer, Loudoun County	571-258-3196/karl.evans@loudoun.gov
Brian Danner	Manager, Claude Moore Park	571-258-3702/brain.danner@loudoun.gov
Opening Conference Notes: DEQ staff performed a review of the permittee's MS4 Program by utilizing documents available through DEQ and the Loudoun County's records prior to conducting a site visit. Additionally, staff visited sites in Loudoun County on September 21, 2021 and participated in a conference call with the County on September 28, 2021.		

Overall MS4 Program Management			
Questions	Yes	No	N/A
1. Has the permittee developed and implemented an MS4 program plan designed to reduce the discharge of pollutants from the MS4 to the maximum extent practicable (MEP)? ¹	X		
2. Does the MS4 program plan include the six minimum control measures (MCMs) described in Part I E. of the permit?	X		
3. Does the MS4 program plan include the roles and responsibilities of all permittee divisions and departments that are responsible for implementing permit requirements?	X		
4. Does the MS4 program plan include a copy of any written agreements (with a description of each party's roles and responsibilities) if another entity is utilized by the permittee to implement portions of the MS4 program?			X
5. Does the MS4 program plan include each specific requirement as listed in Part I E. for each MCM?		X	
6. Does the MS4 program plan include a description of best management practices (BMPs) the permittee plans to implement to comply with permit conditions in Part I E?	X		
7. Does the MS4 program plan include all standard operating procedures (SOPs) or policies necessary to implement BMPs for each MCM?		X	
8. Does the MS4 program plan have measureable goals by which BMPs for each MCM will be evaluated?	X		
9. Does the MS4 program plan include the persons, positions, or departments responsible for implementing each BMP for the six MCMs?	X		
10. Does the MS4 program plan include a list of documents (e.g. SOPs, policies, TMDL action plans, ordinances, memorandums of understanding [MOUs], etc.) that are incorporated by reference?	X		
11. Does the permittee conduct monitoring (e.g., biological monitoring, wet weather screening, and ambient monitoring) as part of its MS4 program?			X
12. Has the permittee developed and implemented a Chesapeake Bay TMDL action plan?	X		
13. Has the permittee updated the Chesapeake Bay TMDL action plan with the schedule contained in the MS4 permit?	X		
14. Is the Chesapeake Bay TMDL action plan incorporated by reference into the MS4 program plan?	X		
15. Has the permittee developed and implemented TMDL action plans for applicable local TMDLs?	X		
16. Has the permittee developed and/or updated local TMDL action plans with the schedule contained in the MS4 permit?	X		
17. Are local TMDL action plans incorporated by reference into the MS4 program plan?	X		

¹ <https://www.loudoun.gov/DocumentCenter/View/128225/Program-Plan-2018-2023-PDF>

Comments-Overall MS4 Program Management

Q3. The Loudoun County Departments of General Services (DGS) and Building and Development (B&D) are the primary coordinators for the MS4 Program with support from Fire and Rescue. Details regarding the roles of entities implementing the MCM Program are described below.

DGS DGS ensures general compliance with the MS4 Program to include development of the MS4 Program Plan and the annual reports. DGS is also responsible for compliance with MCM Nos. 1, 2, 3, 5, and 6 and the Chesapeake Bay and local TMDL action plans.

B&D B&D ensures general compliance with MCM Nos. 4 and 5.

Fire and Rescue Fire and Rescue ensures compliance with MCM No. 3. Fire and Rescue is also responsible for emergency response and reporting discharges resulting from vehicle accidents and hazardous waste.

PRCS Loudoun County Parks, Recreation, and Community Services (PRCS) maintains their high-priority municipal sites within the MS4. DGS is responsible for developing the stormwater pollution prevention plans (SWPPPs) at the aforementioned sites. Parks and Recreation personnel are included in County training programs.

LCPS The Loudoun County Public Schools (LCPS) is responsible for plowing and deicing of the school properties. DGS maintains stormwater management facilities (SMFs) located on school grounds.

Specific comments referenced to question marked “No” in the checklist section above:

Q5, Q7. Appendix A of the MS4 Program Plan dated May 1, 2019 lists the Loudoun County MS4 program management documents incorporated by reference. Since the referenced documents are of a permanent nature until superseded, a means to access them through the MS4 Program Plan is preferred. The MS4 Program Plan must include or reference the specific items listed in Part I E. for each MCM (See Audit Correction Actions – Item No. 1).

Public Education and Outreach (MCM #1)			
Questions	Yes	No	N/A
1. Does the permittee implement an existing public education and outreach program? ¹	X		
2. Is the public education and outreach program designed to increase the public's knowledge of how to reduce stormwater pollution?	X		
3. Does the public education and outreach program prioritize the reduction of impacts to impaired waters and other local water pollution concerns?	X		
4. Does the public education and outreach program utilize strategies that targeted toward individuals or groups most likely to have significant stormwater impacts?	X		
5. Did the permittee identify a minimum of three high-priority issues for its public education and outreach program?	X		
6. Does the public education and outreach program identify the high-priority issues and explain why they are important?	X		
7. Does the public education and outreach program include actions the public may take in order to minimize the impact of those issues?	X		
8. Does the public education and outreach program include a contact and telephone number, website or location where the public can find out more information?	X		
9. Does the permittee use a minimum of two strategies (strategies include written materials, alternative materials, signage, media, speaking engagements, curriculum and training materials) each year to communicate to the public the identified high-priority issues?	X		
10. Does the permittee MS4 coordinate its public education/outreach efforts with other MS4s?			X
11. Does the MS4 program plan include a list of the high-priority issues the permittee identified for its public education and outreach program?			X
12. Does the MS4 program plan include the rationale for selection of each issue and explain how each education/outreach strategy is intended to have a positive impact on stormwater discharges?			X
13. Does the MS4 program plan identify the audiences to receive each high-priority stormwater message?			X
14. Does the MS4 program plan include the strategies used to communicate each high-priority stormwater message?			X
Comments-Public Education and Outreach (MCM #1)			
<p>Q3 – Q6. The high-priority public education and outreach issues are bacteria impacts on water quality, illicit discharges, nutrient impacts on water quality, and sediment impacts on water quality.</p> <p>Q10 – Q14. The MS4 Program Plan does not include these items. However, the Public Education and Outreach plan is referenced in the MS4 Program Plan. It is best professional judgement of staff that this fulfills the requirement for inclusion within the MS4 Program Plan.</p>			

¹ <https://www.loudoun.gov/DocumentCenter/View/105559/Stormwater-Public-Education-Outreach-Program-PDF>

Public Involvement and Participation (MCM #2)				
Questions	Yes	No	N/A	
1. Are procedures in place for the public to report potential illicit discharges, complaints regarding land disturbing activities, or other stormwater pollution concerns?	X			
2. Are procedures in place for the public to provide input on the permittee's MS4 program plan?	X			
3. Are procedures in place to receive public input or complaints?	X			
4. Are procedures in place for responding to public input on the MS4 program plan or complaints?	X			
5. Are procedures in place for keeping documentation of public input received on the MS4 program and the permittee's response?	X			
6. Did the permittee develop a webpage dedicated to the MS4 program and stormwater pollution prevention?	X			
7. Are the MS4 General Permit and permit coverage letter posted on the webpage?	X			
8. Is the current MS4 program plan posted on the webpage?	X			
9. Are all annual reports posted on the webpage?		X		
10. Does the webpage contain a mechanism (e.g. "hotline") for the public to report illicit discharge, improper disposal, spills to the MS4, complaints regarding land-disturbing activities, or stormwater pollution concerns? ¹	X			
11. Does the webpage provide a method for the public to give input on the MS4 program plan?	X			
12. Does the permittee implement a minimum of four activities each year for the public to become involved in improving water quality and supporting local restoration and clean-up projects?	X			
13. Do the activities (described in 12 above) fall into at least two of the following categories: monitoring, restoration, educational events, collection events, or pollution prevention?	X			
14. Does the permittee coordinate any of the public involvement opportunities with other MS4s?			X	
Comments-Public Involvement and Participation (MCM #2)				
<p>Q1, Q3. Residents can report suspected MS4 violations to the County by telephone, email, or the LEX application (Loudoun Express Request).</p> <p>Q2, Q4, Q5, Q11. The public can respond to the posted MS4 Program Plan on the webpage or request a pdf copy via the LEX system, email, or a letter. The County replies using the same mode as the request (e.g., letter). Responses are kept within each year's MS4 annual report.</p> <p>Q12, Q13. In FY2021, the County conducted six hazardous waste events during the period of October 10, 2020 through June 26, 2021. The County also participated in an online workshop with citizens and homeowner associations (HOAs) regarding stormwater maintenance and retrofits; participated in a green infrastructure tour of a constructed wetland; presented an online stormwater presentation at the Climate Coalition; presented at the American Conference of Engineering Companies of Metropolitan Washington Chesapeake Bay Symposium and the Virginia Lakes and Watershed Association conferences; and organized storm drain marking.</p> <p>Specific comments referenced to question marked "No" in the checklist section above:</p> <p>Q9. Loudoun County only posts the FY2020 MS4 Annual Report. The permit requires that all annual reports for the permit cycle be posted on the webpage. This item has been corrected.</p>				

¹ <https://www.loudoun.gov/3055/Report-an-Issue>

Illicit Discharge Detection and Elimination (MCM #3)				
Questions		Yes	No	N/A
1.	Does the permittee maintain an updated and accurate MS4 map with all known outfalls and/or points of discharge?	X		
2.	Does the MS4 map depict the storm sewer system owned/operated by the permittee within the 2010 Census Urbanized Area (CUA)?	X		
3.	Does the MS4 map contain all SMFs owned or operated by the permittee?	X		
4.	Does the MS4 map depict the regulated service area of the MS4?	X		
5.	Does the MS4 map show the name and location of all waters receiving discharges from MS4 outfalls and/or points of discharge?		X	
6.	Does the map assign a unique identifier for each outfall/point of discharge and operator owned SMF?	X		
7.	Does the permittee maintain an updated and accurate information table for outfalls/points of discharge that is associated with the MS4 map?	X		
8.	Does the information table contain the unique identifier for each outfall/point of discharge as specified on the MS4 map?	X		
9.	Does the information table have the latitude and longitude for each outfall/point of discharge?	X		
10.	Does the information table have the estimated regulated service area draining to each outfall/point of discharge?	X		
11.	Does the information table have the name of the receiving water to which each outfall/point of discharge discharges (to include the HUC 6)?	X		
12.	Does the information table have the name of the receiving water to which each outfall/point of discharge discharges (to include the 6 th Order Hydrologic Unit Code [HUC])?	X		
13.	Does the information table indicate whether or not each receiving water is listed as impaired in the Virginia 2016 305(b)/303(d) Water Quality Assessment Integrated Report?	X		
14.	Does the information table have the predominant land use for each outfall/point of discharge discharging to an impaired water?	X		
15.	Does the information table have the name of any EPA approved TMDLs for which the permittee is assigned a waste load allocation (WLA)?	X		
16.	Did the permittee submit a geographical information system (GIS)-compatible shapefile of the MS4 map to DEQ by the July 1, 2019 deadline?	X		
17.	Does the permittee update the MS4 map and information table with new outfalls and TMDLs by October 1 each year?	X		
18.	Has the permittee provided written notification to downstream adjacent MS4s of any known physical interconnections established or discovered after the effective date of this permit?	X		
19.	Has the permittee prohibited (by ordinance, policy, SOP, or other legal mechanism) non-stormwater discharges into the storm sewer system?	X		
20.	Does the permittee have written procedures for illicit discharge detection and elimination (IDDE)?	X		
21.	Are the written procedures designed to detect, identify, and address unauthorized non-stormwater discharges, including illegal dumping, to the MS4?	X		
22.	Do the written IDDE procedures include a description of the legal authorities (ordinances, policies, SOPs, etc.) available to the permittee to eliminate sources of ongoing illicit discharges, as well as procedures for enforcing those legal authorities?	X		
23.	Do the written IDDE procedures include dry weather field screening protocols to detect, identify, and eliminate illicit discharges to the MS4?	X		

24. Do dry weather screening protocols include a prioritized schedule (and rationale for that prioritization) for field screening based on criteria such as age of infrastructure, land use, historical illegal discharges, dumping, or cross connections?	X		
25. Does the permittee screen all outfalls annually or a minimum of 50 outfalls annually if the total number of MS4 outfalls is greater than fifty?	X		
26. If the MS4 has more than 50 outfalls, does the permittee's schedule to screen a minimum of 50 outfalls ensure that no more than 50% are screened in the previous 12-month period?	X		
27. Do dry weather screening protocols contain measures to track the unique outfall identifiers, time and quantity of the last rainfall event, and site descriptions such as conveyance type and land uses?	X		
28. Do dry weather screening protocols contain measures to track whether or not a discharge was observed, and if a discharge was observed, the rate of discharge and visual characteristics of that discharge (e.g., odor, color, deposits, structure condition, etc.)?	X		
29. Do dry weather screening protocols have methodologies to determine the source of all illicit discharges and for conducting follow-up investigations?	X		
30. Does the permittee track all illicit discharge investigations, and document the date(s) the discharge was observed, results of the investigations (including the sources, if identified), any follow-ups, resolutions, and date investigations were closed?	X		

Comments-Illicit Discharge Detection and Elimination (MCM #3)

- Q1. Loudoun County has identified 3,700 outfalls within the County's MS4.
- Q3, Q7. The Loudoun County map also indicates VDOT SMFs, private SMFs, and VDOT outfalls.
- Q18. The County sent interconnection letters to Fairfax County (VA0088587), the Town of Herndon (VAR040060), the Town of Leesburg (VAR040059), the Dulles Toll Road (VAR040120), and the Northern Virginia Community College MS4s (VAR040095) on May 16, 2019. Loudoun County documented delivery of these notices in the FY2019 MS4 Annual Report.
- Q19. Chapter 1096.03 of the Loudoun County Ordinance (Discharges to the Stormwater Management System) addresses non-stormwater discharges to the storm sewer system. Additionally, Chapters 1080 and 1088 of the County Ordinance address solid waste and litter. The County had adopted a Hazardous Waste Emergency Response Plan in accordance with Title III Superfund Amendments and Reauthorization Act.
- Q20. Loudoun County adopted revised Illicit Discharge Detection and Elimination Procedures on June 10, 2019.
- Q22. Enforcement guidance is provided in the Illicit Discharge Enforcement Procedures dated May 24, 2019 and Chapter 1096.03 of the Loudoun County Ordinance (see Comment Q19 above).
- Q24. Loudoun County focuses on commercial/industrial activities within the 2010 urbanized area when determining outfall prioritization for screening (e.g., those with a documented history or elevated potential for stormwater pollution).
- Q27, Q28. Dry weather screening is described in detail in the Dry Weather Field Screening Procedures dated April 1, 2019.
- Q30. Loudoun County tracks illicit discharges and documents them in the MS4 annual reports. If an illicit discharge entering the MS4 and state waters requires reporting to the DEQ Pollution Response Program (PREP), the report should indicate that a discharge is associated with the County's MS4 system by referencing the MS4 permit number.

Specific comments referenced to question marked "No" in the checklist section above:

- Q5. The MS4 map does not indicate the receiving water associated with each outfall. However, the GIS attributes table indicates the receiving water associated with each outfall.

Construction Site Stormwater Runoff Control (MCM#4)			
Questions	Yes	No	N/A
1. Does the permittee utilize its legal authority (e.g. ordinances, permits, orders, contract language, interjurisdictional agreements, etc.) to address discharges into the MS4 from regulated construction site stormwater runoff? ¹	X		
2. If the permittee is a city, county, or town that has adopted a Virginia Erosion and Sediment Control Program (VЕСP), does the permittee control construction site stormwater runoff by implementing a VЕСP consistent with the Virginia Erosion and Sediment Control Law and Regulations?		X	
3. If the permittee is a town that has not adopted a VЕСP, does the permittee control construction site stormwater runoff by reliance on the surrounding Town to implement a VЕСP consistent with the Virginia Erosion and Sediment Control Law and regulations?			X
4. If the permittee is a state agency, public institution of higher learning, or federal entity, does the permittee control construction site stormwater runoff by implementing the most recent department approved standards and specification that are in accordance with the Virginia Erosion and Sediment Control Law and Regulations?			X
5. If the permittee is a state agency, public institution of higher learning, or federal entity that has not developed standards and specifications, does the permittee conduct inspections on all land disturbing activities that result in disturbance of 10,000 square feet or greater?			X
6. If the permittee is a state agency, public institution of higher learning, or federal entity that has not developed standards and specifications, does the permittee conduct inspections on all land disturbing activities that result in disturbance of 2,500 feet or greater in areas designated under the Chesapeake Bay Preservation Act?			X
7. For MS4s for which Questions 5 and 6 above apply, does the permittee inspect applicable land-disturbing activities during or immediately following initial installation of erosion and sediment controls?			X
8. For MS4s for which Questions 5 and 6 above apply, does the permittee inspect applicable land-disturbing activities at least once per every two-week period?			X
9. For MS4s for which Questions 5 and 6 above apply, does the permittee inspect applicable land-disturbing activities within 48 hours of any runoff producing storm event?			X
10. For MS4s for which Questions 5 and 6 above apply, does the permittee inspect applicable land-disturbing activities at the completion of the project prior to the release of any performance bond?			X
11. If the permittee is a school board or other subdivision of a local government, does the permittee conduct inspections on all land disturbing activities that result in disturbance of 10,000 square feet or greater?			X
12. If the permittee is a school board or other subdivision of a local government, does the permittee conduct inspections on all land disturbing activities that result in disturbance of 2,500 square feet or greater in areas designated under the Chesapeake Bay Preservation Act?			X
13. For MS4s for which Questions 11 and 12 above apply, does the permittee inspect applicable land-disturbing activities during or immediately following initial installation of erosion and sediment controls?			X
14. For MS4s for which Questions 11 and 12 above apply, does the permittee inspect applicable land-disturbing activities at least once per every two-week period?			X
15. For MS4s for which Questions 11 and 12 above apply, does the permittee inspect applicable land-disturbing activities within 48 hours of any runoff producing storm event?			X
16. For MS4s for which Questions 11 and 12 above apply, does the permittee inspect applicable land-disturbing activities at the completion of the project prior to the release of any performance bond?			X
17. Does the permittee require the use of controls to prevent nonstormwater discharges (e.g. concrete washout, fuels, oils, wastewater) from construction sites?	X		
18. Does the permittee's MS4 program plan include (either directly or in the list of documents incorporated by reference) all information required in Part I E.4.c of the permit?		X	
19. Does the permittee have written inspection procedures to ensure erosion and stormwater (E&S) controls are implemented, as well as all associated documents used for inspections?	X		

¹ <https://www.loudoun.gov/DocumentCenter/View/159681/Loudoun-County-Codified-Ordinance-Chapter-1096-Stormwater-Management>

<u>Construction Site Stormwater Runoff Control (MCM#4)</u>			
Questions	Yes	No	N/A
20. Does the permittee have written procedures for requiring compliance through corrective action or enforcement action?	X		
21. Does the permittee ensure that all E&S/stormwater inspections are conducted by qualified personnel?	X		
22. Does the permittee ensure that all E&S/stormwater plans are reviewed by qualified personnel?	X		
<p><u>Comments: Construction Site Stormwater Runoff Control (MCM #4)</u></p> <p>Q17. The ordinance discusses the use of controls to prevent nonstormwater discharges. DEQ staff did not observe nonstormwater discharges on the date of the audit.</p> <p>Q19. Section 7.600 of the County Facilities Standards Manual discusses E&S. A formal grading/land disturbance permit is required to be obtained from B&D for land disturbances of 5,000 square feet or greater. The County has developed the following inspection forms: Alternative Inspection Report, Bond Release Report, Notice to Comply Report, E&S Control/VSMP Phase I Inspection Report, E&S Control/VSMP Phase II Inspection Report, a Construction General Permit SWPPP Inspection, and a Stop Work Order.</p> <p>Q20. The County details E&S protocol in the Erosion and Sediment Control Program Enforcement Protocol dated June 11, 2019 based on Section 1096.04 of the County Ordinance -- Enforcement.</p> <p>Specific comments referenced to question marked “No” in the checklist section above:</p> <p>Q2. Address the corrective actions found in DEQ’s inspection of the Montebello Farm construction site on September 21, 2021 (see Attachment 2). The corrective actions were addressed. The County conducted a reinspection of the construction site on October 18, 2021.</p> <p>Q18. The written E&S inspection procedures and other associated documents used in inspections) are not incorporated by reference in the MS4 program plan. Incorporate written procedures and associated inspection documents in the MS4 Program Plan to ensure proper implementation of E&S controls. Noted in Corrective Action 1 e) of this report.</p> <p><u>Additional Review</u></p> <p>On the date of this MS4 audit, Emily Janzow (NRO Construction Stormwater Inspector) visited the Montebello Farm site in Sterling (see Attachment 2). Some issues observed were lack of qualified personnel noted in the SWPPP, lack of stabilization, a need for channel and check dam maintenance, fallen silt fencing, rill erosion, sedimentation, the presence of water seeps, and a disconnected outfall. DEQ requested that Loudoun County conduct an inspection by September 29, 2021.</p>			

Post-Construction Stormwater Management (MCM#5)				
Questions		Yes	No	N/A
1.	If the permittee is a city, county, or town, does the permittee implement a post-construction stormwater management program through an approved VSMP that is consistent with the Virginia Stormwater Management Law and Regulations?	X		
2.	If the permittee is a town that has not adopted a VSMP, does the permittee address post-construction management by reliance on the surrounding county to implement a VSMP consistent with the Virginia Stormwater Management Law and Regulations?			X
3.	If the permittee is a state agency, public institute of higher learning, or federal entity, does the permittee implement a post-construction stormwater management program by utilizing the most recent department approved standards and specifications that are in accordance with Virginia Stormwater Management Law and Regulations?			X
4.	If the permittee is a state agency, public institute of higher learning, or federal entity that has not developed standards and specifications, does the permittee implement a post-construction stormwater runoff control program through compliance with the VSMP Regulations (9VAC25-870)?			X
5.	If the permittee is a school board or other subdivision of a local government, does the permittee implement a post-construction stormwater runoff control program through compliance with the VSMP Regulations (9VAC25-870)?			X
6.	Did the permittee develop and maintain written inspection and maintenance procedures in order to ensure long-term operation and maintenance of its SMFs?	X		
7.	Does the permittee ensure that SMFs owned or operated by the permittee are inspected no less than once per year?	X		
8.	Does the permittee implement an alternative schedule to inspect any/all SMFs based on the type of SMF and expected maintenance needs?			X
9.	If SMF inspections determine that maintenance is required, does the permittee conduct that maintenance in accordance with written maintenance procedures?	X		
10.	If the permittee is a locality with an approved VSMP, does the permittee maintain a copy of the DEQ approval letter in the MS4 Program Plan?		X	
11.	If the permittee is a locality with an approved VSMP, does the permittee ensure that private SMF discharging to the MS4 are inspected no less than once per five years?	X		
12.	If the permittee is a locality with an approved VSMP, does the permittee require owners of private SMFs to develop and record a maintenance agreement that includes an inspection schedule?	X		
13.	If the permittee is a locality with an approved VSMP, does the permittee use its legal authority under the VSMP to require maintenance if the owner of a private SMF neglects his maintenance responsibilities?	X		
14.	Does the permittee maintain an electronic database or spreadsheet of all known SMFs that discharge into the MS4?	X		
15.	Does the database include all information required by the permit (Part I E.5.d (1)-(9))?		X	
16.	Does the permittee update the database no later than 30 days after any new SMF is brought online, a previously existing SMF is discovered, or a new SMF is being used to meet a TMDL reduction?			X
17.	Does the permittee use the DEQ Construction Stormwater Database to report all SMFs (constructed since July 1, 2014) installed on land-disturbing projects for which a construction general permit (CGP) is required?	X		
18.	By October 1 of each year, does the permittee use the DEQ BMP Warehouse to report all SMFs and BMPs put in place (between July 1 and June 30 of each year) on land disturbing activities for which a CGP was not required?	X		

Comments- Post-Construction Stormwater Management (MCM#5).

- Q6. The County has written inspection procedures for private and public SMFs; they must be incorporated in the MS4 Program Plan. Inspection forms in the procedures should include the name and license number of the inspector.
- Q11. Section 1096.01 (b)(1) D of the Loudoun County Ordinance addresses the requirement for private SMFs to be inspected at least once every five years.
- Q12. The County requires maintenance agreements for wet ponds and SMFs with filters. County personnel conduct maintenance for the remainder of the private SMFs. The procedures should contain a maintenance agreement template and clarify the procedure for conducting private SMF inspections.

Specific comments referenced to questions marked “No” in the checklist section above:

- Q10. A copy of the DEQ VSMP approval letter is to be included in the MS4 Program Plan. Noted in Corrective Action 1 f) of this report.
- Q15. Update the database to include all information required by the Permit (i.e., maintenance agreement and applicable TMDL).

September 21, 2021 SMF Site Visits

A visit was made to a constructed wetlands located on Stuckely Drive in Sterling (See **Attachment 1**, Photo Nos. 1 and 2). The wetlands, currently in their second year, were a conversion from a former dry pond. The forebay collects sediment and a small volume of trash. Loudoun County contracts with Virginia Waters periodically to treat for invasive species.

The County has also planted 400 to 500 trees on 0.5 acres near the wetlands (See **Attachment 1**, Photo No. 3).

A dry pond at the community center at Claude Moore Park was visited. Stormwater flows to this feature through sheet flow from the parking area and an inlet. Although it had been greater than 48 hours since the last significant rainfall, the base of the pond was wet due to the Triassic Shale geology. However, no flow to the receiving stream was observed (See **Attachment 1**, Photo Nos. 6-9). Due to the drainage issues, the County may consider evaluating this SMF.

A visit was made to in Winding Branch Terrace in Sterling to view bioretention features. There was no standing water in the basin examined. However, the basin has an overflow connected to the media (See **Attachment 1**, Photo Nos. 10-12). Please review the “as-builts” for this SMF to determine the role of the overflow pipe connected to the media (“as-builts” were submitted to DEQ on October 8, 2021).

An older wet pond (Willow Pond) on Greenfield Court at the Sugarland Run subdivision was visited. This wet pond is in need of a retrofit due to clogging of the riser pipe that causes discharge through the emergency spillway and significant stream bank erosion. The County is seeking a Stormwater Local Assistance Fund (SLAF) grant to dredge the pond and install aquatic benches. The intent is to use the wet pond nutrient and sediment reductions in the Chesapeake Bay TMDL action plan (See **Attachment 1**, Photo Nos.14-16).

Pollution Prevention & Good Housekeeping for Facilities Owned or Operated by the Permittee Within the MS4 Service Area (MCM#6)			
Questions	Yes	No	N/A
1. Does the permittee maintain and implement written procedures for activities at permittee owned facilities (e.g. maintenance of roads, streets, parking lots; equipment maintenance; storage and disposal of pesticides, herbicides, and fertilizers)?	X		
2. Do the written procedures address the prevention of illicit discharges?	X		
3. Do the written procedures address the proper disposal of waste materials, including landscape wastes?	X		
4. Do the written procedures prohibit discharging wastewater or the permittee's vehicle wash water into the MS4 (or both) without authorization under a separate Virginia Pollutant Discharge Elimination System (VPDES) permit?	X		
5. Do the written procedures require implementation of BMPs when discharging water pumped from utility construction and maintenance activities?	X		
6. Do the written procedures require use of BMPs to minimize pollutants in stormwater runoff from bulk storage areas (e.g., salt storage, topsoil stockpiles)?	X		
7. Do the written procedures address pollutant discharge into the MS4 from leaking municipal automobiles and equipment?	X		
8. Does the permittee use the written procedures as part of the employee training required in Part I.E.6.m of the permit?	X		
9. Did the permittee use the criteria described in Part I E.6.c (1)-(9) of the permit to identify all high-priority facilities with a high potential of discharging pollutants?	X		
10. Does the permittee maintain and implement a SWPPP for each facility identified above?	X		
11. Do the SWPPPs include all information required in Part I E.6.d of the permit?	X		
12. Are inspections conducted annually at a minimum at each facility for which a SWPPP has been developed?	X		
13. Do SWPPPs contain dates of inspections, inspection findings, and inspection follow-ups?	X		
14. Do SWPPPs contain a "spill log" (for unauthorized discharges, releases, or spills) with dates, type of material spilled, and quantity released or spilled?	X		
15. Does the permittee review other high-priority facilities on an annual basis to determine if SWPPPs may be required for those facilities?	X		
16. Are SWPPPs kept at applicable high-priority facilities and readily available to employees at those facilities?	X		
17. Does the permittee utilize SWPPPs as part of its staff training?	X		
18. Does the permittee maintain and implement turf and landscape nutrient management plans (NMPs) for identified areas greater than one acre in accordance with §10.1-104.2 of the Code of Virginia?	X		
19. Does the permittee ensure that all applicable NMPs are developed by a certified turf and landscape nutrient management planner in accordance with §10.1-104.2 of the Code of Virginia?	X		
20. Does the permittee track the total acreage of lands where turf and landscape nutrient management plans have been implemented?	X		
21. Does the permittee ensure that deicing agents applied to parking lots, roads, and sidewalks not contain urea or other forms of nitrogen or phosphorus?	X		
22. Does the permittee require that contractors use appropriate control measures and procedures for stormwater discharges to the MS4?	X		
23. Has the permittee developed a written training plan and schedule for applicable employees?	X		

Pollution Prevention & Good Housekeeping for Facilities Owned or Operated by the Permittee Within the MS4 Service Area (MCM#6)			
Questions	Yes	No	N/A
24. Does the permittee ensure that biennial training is provided to applicable field personnel in the recognition and reporting of illicit discharges?	X		
25. Does the permittee ensure that biennial training is provided to applicable employees in pollution prevention and good housekeeping practices to use during road, street, and parking lot maintenance activities?	X		
26. Does the permittee ensure that biennial training is provided to applicable employees in good housekeeping and pollution prevention to use around maintenance, public works, and recreational facilities?	X		
27. Does the permittee ensure that employees and contractors who apply pesticides and herbicides are properly trained or certified in accordance with the Virginia Pesticide Control Act (§3.2-3900 et seq. of the Code of Virginia)?	X		
28. Does the permittee ensure that employees and contractors serving as plan reviewers, inspectors, program administrators, and construction site operators have the appropriate certifications required under the VESCP law and regulations?	X		
29. Does the permittee ensure that employees and contractors implementing the stormwater program have the appropriate certifications required by the VSMP law and regulations?		X	
30. Does the permittee ensure that the appropriate emergency response employees receive training in spill response?	X		
31. Does the permittee keep documentation of each training event for at least three years following each event?	X		
32. Does the permittee keep documentation of each training event including the training date, the number of employees attending the training, and the training objective?	X		

Comments- Pollution Prevention and Good Housekeeping for Facilities Owned or Operated by the Permittee Within the MS4 Service Area (MCM#6)

- Q1. Loudoun County does not have comprehensive written housekeeping procedures for activities at their own facilities (e.g. maintenance of roads, streets, parking lots; equipment maintenance; and storage and disposal of pesticides); procedures are found in individual SOPs.
- Q2. The SOPs for Spill Response and Reporting, Non-Stormwater Discharges, Pool Operation and Maintenance, and Waste Management address this. Additionally, spill response procedures are in every SOP.
- Q3. The SOPs for Waste Management, Vehicle Equipment Repair and Maintenance, and Storm Sewer Cleaning and Maintenance address this. Landscape waste is discussed in the Landscaping and Grounds Maintenance SOP.
- Q4. The County has a concise SOP for vehicle and equipment washing. Vehicles may be washed using a zero discharge system, discharge to sanitary, a mobile washing service, or a commercial carwash. Additionally the SOP allows that they be or rinsed on a grassy area away from storm drains without the use of soap (for removal of soil only).
- Q5. The housekeeping SOPs address most utility maintenance and reference dewatering to avoid discharge of sediment to the MS4. It is suggested that the SOPs include clear procedures for handling sediment discharge during waterline repair and maintenance.
- Q6. The SOP for Pollution Prevention/Good Housekeeping for Material Storage addresses this.
- Q7. The SOPs for Vehicle and Equipment Parking and Storage and Vehicle and Equipment Repair and Maintenance address this.
- Q14. No spills have occurred at Claude Moore Park during the past year.
- Q21. The County's Road, Street and Parking Lot Maintenance SOP states that only deicing agents in compliance with local, state, and federal regulations are used.
- Q31-Q32. The County should retain three years of training records separately from the MS4 annual reports.

Specific comments referenced to questions marked "No" in the checklist section above:

- Q29. All individuals inspecting SMFs must have appropriate certification per (§62.1-44.15:30.B of the Virginia Stormwater Management Act). This item has been corrected. Chris Stone completed the Inspector for Stormwater Management training on November 14, 2019. Other County Stormwater Engineers and two of the County's Engineering Technicians are provisionally certified; one Stormwater Engineer is certified. Provisional certification expires within one year of completing the coursework.

Summary of Visit to the Claude Moore Farm High Priority Municipal Facility

On September 21, 2021, DEQ staff visited the Claude More Farm High Priority Municipal Facility, which is approximately 45% impervious area, as part of the MS4 Audit. Two buildings are associated with the facility—the park and pool maintenance building. Sheet flow from the park maintenance area channelizes and discharges to Outfalls 001, 002, and 003 leading to Cabin Branch. Sheet flow from the pool maintenance area channelizes and discharges to Outfall 004, leading to Cabin Branch. Floor drains and running water are not located in the park maintenance building. Non-stormwater activities occurring on the site include washing equipment used for liming the fields and minor rinsing of vehicles. Actively used and surplus equipment is stored outside on a gravel area (See **Attachment 1**, Photo Nos. 4 and 5).

At the time of the site visit, the washing and storage of the snow plows was discussed. Loudoun County staff stated that they washed the snow plows on pads or in Leesburg or in a commercial carwash before storage during the warmer months. Loudoun County plows and applies deicing material to the park areas, the libraries, emergency service areas, and senior centers. Contractors conduct some of the snow removal. Loudoun County schools independently do their own snow removal and deicing.

Audit Recommendations:

1. **MCM #3** – If an illicit discharge entering the MS4 and state waters requires reporting to DEQ PREP, the report should indicate that a discharge is associated with the County’s MS4 system by referencing the MS4 permit number.
2. **MCM #5** – Inspection forms in the procedures should include the name and license number of the inspector.
3. **MCM #5** – Inclusion of a maintenance agreement template for privately owned SMFs within the MS4 Program Plan is recommended.
4. **MCM #5** – Due to the drainage issues, the County may consider evaluating evaluating the dry pond at Claude Moore Park since it retains water for a period greater than 48 hours after a significant rainfall.
5. **MCM #6** – Establishing comprehensive written housekeeping procedures for activities at County facilities is recommended.
6. **MCM #6** – Incorporating snow removal and deicing protocol into the written procedures is recommended.
7. **MCM #6** – Retaining three years of training records separately from the MS4 annual reports is recommended

Audit Corrective Actions:

1. **Overall Program Management** – Update the MS4 Program Plan to include all specific requirements listed in Part I.E for each MCM. (Part I.C of the MS4 General Permit). Required components that are not included in the program plan are listed below:
 - a) Procedures for the public to provide input regarding the MS4 Program Plan (**MCM #2**, Part 2.e (2)).
 - b) A description of the public involvement activities be implemented (**MCM #2**, Part 2.e (3)).
 - c) Copies of written notifications of new physical interconnections (**MCM #3**, Part 3.d (2))
 - d) IDDE Procedures (**MCM #3**, Part 3.d (3)).
 - e) Written procedures and associated inspection documents to ensure that E&S controls are properly implemented (**MCM #4**, Part 4.c (4)).
 - f) A copy of the VSMP approval letter (**MCM #5**; Part I.E.5.h (1)(a) of the MS4 General Permit)..
 - g) Written inspection procedures for private (to include maintenance agreement) and public SMFs (**MCM #5**, Parts I.E.5.h (1)(b) and I.E.h (2)(4)).
 - h) The SMF database or incorporation by reference with a location, e.g., URL address (**MCM #5**, Part I.E.5.h (6)).
 - i) Written procedures for the operations and maintenance activities (**MCM #6**, Part I.E.6.p (1)).
2. **MCM #3** – Include the name of the receiving stream for the MS4 outfalls in the map (Part I.E.3.a (1)(c) of the MS4 General Permit).
3. **MCM #5** – Update the County’s MS4 SMF database to include all information required by the Permit (Part I.E.5.d of the MS4 General Permit).

ACRONYMS

B&D		Building and Development
BMP		Best Management Practice
CGP		Construction General Permit
CUA		Census Urbanized Area
DGS		Department of General Services
DEQ		The Department of Environmental Quality
E&S		Erosion and Sediment
FY		Fiscal Year
GH		Good Housekeeping
GIS		Geographical Information System
HOA		Homeowner's Association
HUC		Hydrologic Unit Code
IDDE		Illicit Discharge Detection and Elimination
LEx		Loudoun Express Request
LCPS		Loudoun County Public Schools
MCM		Minimum Control Measure
MEP		Maximum Extent Practicable
MOU		Memorandum of Understanding
MS4		Municipal Separate Storm Sewer System
NMP		Nutrient Management Plan
NRO		Northern Regional Office
PDF		Portable Document Format
PP		Pollution Prevention
PRCS		Parks, Recreation, and Community Services
PREP		DEQ Pollution Response Program
Permit		MS4 Phase II General Permit
SMF		Stormwater Management Facility
SOP		Standard Operating Procedure
SWPPP		Stormwater Pollution Prevention Plan
TMDL		Total Maximum Daily Load
VESCP		Virginia Erosion and Sediment Control Program
VPDES		Virginia Pollution Discharge Elimination System
VSMP		Virginia Stormwater Management Program
WLA		Wasteload Allocation

Attachment 1

DEQ Site Visit for MS4 Audit of the Loudoun County – September 21, 2021



No. 1 –Constructed Wetland on Stukely Drive in Sterling.



No. 2 -- Constructed Wetland on Stukely Drive in Sterling.



No. 3 – One-half Acre of Tree Plantings on Stukely Drive in Sterling.



No. 4 – Surplus Equipment at the Claude Moore Park Maintenance Yard.



No. 5 – Exterior Storage of Equipment at the Claude Moore Park Maintenance Yard.



No. 6 – Dry Pond at Claude Moore Park.

DEQ Site Visit for MS4 Audit of the Loudoun County – September 21, 2021



No. 7 – Land Area Accepting Sheet Flood to the Dry Pond at Claude Moore Park.



No. 8 – Dry Pond Inlet at the Claude Moore Park.



No. 9 – Receiving Stream for the Dry Pond at Claude Moore Park.



No. 10 – Bioretention Basin at Winding Branch Terrace, Sterling.



No. 11 – Bioretention Overflow (Connected to the Media).



No. 12 – Clean-Out/Observation port connected to the base of the Bioretention Basin.

DEQ Site Visit for MS4 Audit of the Loudoun County – September 21, 2021



No. 13 – Dog Waste Station at Winding Branch Terrace.



No. 14 – Wet Pond at the Sugarland Run Subdivision in Sterling.



No. 15 – Emergency Spillway from the Wet Pond in No. 14.



No. 16 – Wet Pond discharge from the Pond Noted in No. 14. Note the significant stream bank erosion.

Attachment 2

CONSTRUCTION GENERAL PERMIT SITE INSPECTION REPORT - LEVEL 1 (FOCUSED)

Project Name: Montebello Farm		Permit Number: VAR100987	
Project Address: 39.0222, -77.3954		County/City: Loudoun County, VA	
Project Operator: Pulte Home Co LLC		Operator Telephone: (703) 934-1279	
Project Contact: Jeff Edelman		Contact Telephone:	
Contact E-Mail: Jeff.Edelman@PulteGroup.com		Qualified Personnel (QP):	
Inspector: Emily Janzow		Weather (Wet/Dry/Rain): Dry	
Total Dist. Acres Permitted:	74.17	Est. Dist. Acres (At time of inspection):	74.17
		Inspection Date & Time: 10:00 9/21/21	
Linear Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Annual Stands. & Specs: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		VSMP Authority: <input checked="" type="checkbox"/> Locality <input type="checkbox"/> DEQ	
Stage of Construction:			
<input type="checkbox"/> Initial Clearing & Grading		<input checked="" type="checkbox"/> Rough Grading	
<input type="checkbox"/> Construction of SWM Facilities		<input type="checkbox"/> Final Stabilization	
<input type="checkbox"/> Building Construction		<input type="checkbox"/> Final Grading	
<input type="checkbox"/> Notice of Termination		<input type="checkbox"/> Other: _____	
Nature of Project:			
<input type="checkbox"/> Public		<input checked="" type="checkbox"/> Private	
<input type="checkbox"/> State		<input type="checkbox"/> Federal	
<input type="checkbox"/> Other: _____		Re-Inspection:	
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

COVERAGE & POSTING REQUIREMENTS		Yes	No	N/A	Comments/Description
1	Construction site has permit coverage? (Va. Code §62.1- 44.15:34.A) (9VAC25-870-310)	x			
2	A copy of the notice of coverage letter is posted conspicuously near the main entrance of the construction activity? (CGP Part II.D)	x			
3	Notice of the location of the SWPPP is posted near the site's entrance, if applicable, and information for public access is provided? (9VAC25-870-54.G)(CGP Part II E.2 & 3)	x			
SWPPP AVAILABILITY AND CONTENTS		Yes	No	N/A	Comments/Description
4	The SWPPP is on-site or made available during the inspection? (CGP Part II E.1 & 2)(9VAC25-870-54.G)	x			
5	The SWPPP contains a signed copy of the registration statement? (CGP Part II B.1.a)	x			
6	The SWPPP includes, upon receipt, a copy of the notice of coverage letter and the CGP? (CGP Part II B.1.b & c)	x			
7	The SWPPP contains the name, phone number and qualifications of "Qualified Personnel" conducting inspections? (CGP Part II B.8)		x		See recommended corrective action
8	The SWPPP contains an approved erosion and sediment control plan? (9VAC25-870-54.B)(CGP Part II.B.2)	x			
9	The SWPPP contains an approved stormwater management plan or an existing construction site has a stormwater management plan? (9VAC25-870-54.C)(CGP Part II.B.3) Technical Criteria II.B <input type="checkbox"/> II.C <input type="checkbox"/>	x			
10	The SWPPP contains a pollution prevention plan? (9VAC25-870-54.D)(CGP Part II.B.4)	x			

ESC AND SWM CONTROL MEASURES		Yes	No	N/A	Comments/Description
11	Sediment trapping measures are installed as a first step in the land disturbing activity? (9VAC25-840-40.4)	x			
12	Stabilization applied and/or established in accordance with CGP and ESC Minimum Standards? (9VAC25-840-40(1,2,3,5,7, and 15)) (9VAC25-880-60) (CGP Part I F.1(a)) (CGP Part II B.2.c.8) (CGP Part II B.5.b.1)		x		See recommended corrective action
13	Operable storm sewer inlets are protected from sediment laden water? (9VAC25-840-40.10)	x			
14	Operational stormwater conveyance channels or pipes have adequate outlet protection and channel lining? (9VAC25-840-40.11)	x			
15	Transport of sediment onto paved surfaces is minimized? (9VAC25-840-40.17)	x			
16	Are all control measures properly maintained in effective operating condition in accordance with good engineering practices and, where applicable, manufacturer specifications? (CGP Part II F.1) (9VAC25-840-60.A)		x		See recommended corrective action
17	For Notice of Termination, permanent SWM control measures included in the SWPPP are in place? (9VAC25-880-60) (CGP Part I F.1(a))			x	
POLLUTION PREVENTION PRACTICES		Yes	No	N/A	Comments/Description
18	Have discharges of spilled and leaked fuels and chemicals from vehicle fueling and maintenance activities been prevented, if applicable? (CGP Part II B.4 (e)(2))	x			
19	Have discharges of soaps, solvents, detergents, and washwater from construction materials, including the clean-up of stucco, paint, form release oils, and curing compounds been prevented, if applicable? (CGP Part II B.4(e)(3))	x			
20	Is concrete washwater directed into a leak-proof container or leak-proof settling basin? (CGP Part II B.4(e)(5))			x	Concrete work was not observed at the time of the inspection.
SITE EVALUATION AND AGENCY RECOMMENDATION		Yes	No	N/A	Request for Corrective Action attached: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Comments/Description
21	Are measures in place that have prevented or minimized actual or potential impacts occurring at the site or along the perimeter and at outfall locations?	x			
22	VA DEQ's Risk Based Inspection Strategy has been satisfied. No local VSMP Authority or comprehensive DEQ re-inspection is required at this time.		x		Referred to Locality: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
23	Site inspection results are such that immediate or subsequent recommendation for issuance of a Warning Letter or Notice of Violation is NOT required.	x			
<p>Be advised that this inspection is focused on portions of the applicable statutory and regulatory requirements only. The purpose of the inspection is to assess the general condition and compliance level of the construction site and to evaluate the need for a more comprehensive inspection by DEQ or the local VSMP, as applicable, or the presence of actual or potential adverse impacts. The inspector's report is limited to the day, time, and specified statutory and regulatory requirements identified in the Report and Request for Corrective Action, if attached. Although some statutory or regulatory components may not be covered by this inspection report your responsibilities as the owner/operator are to comply with all applicable statutory and regulatory requirements.</p>					

Inspector Signature: Emily Janzow Date: 9/21/2021

CONSTRUCTION GENERAL PERMIT SITE INSPECTION REPORT REQUEST FOR CORRECTIVE ACTION

Checklist #	Regulatory Citation/Legal Requirement ¹	Occurrence	Observation/Recommended Corrective Action
7	(CGP Part II B.8)	1	<p>Observation: During the inspection the contact information and qualifications were not listed in the SWPPP.</p> <p><u>Recommended Corrective Action:</u> Permit Part II B.8 states: "Identification of qualified personnel. The name, phone number, and qualifications of the qualified personnel conducting inspections required by this general permit."</p>
12	(9VAC25-840-40(1,2,5)) (9VAC25-880-60) (CGP Part I F.1(a)) (CGP Part II B.2.c.8) (CGP Part II B.5.b.1)	1	<p>Observation: During the inspection the following areas were observed without stabilization.</p> <ul style="list-style-type: none"> • The banks of sediment basin 1 • The slope behind SB 2 needs stabilization • Stabilization is needed on the stockpile • The side slopes on the west side of the site up slope of ST4 <p><u>Recommended Corrective Action:</u></p> <p>9VAC25-840-40(1) states: "Permanent or temporary soil stabilization shall be applied to denuded areas within seven days after final grade is reached on any portion of the site. Temporary soil stabilization shall be applied within seven days to denuded areas that may not be at final grade but will remain dormant for longer than 14 days. Permanent stabilization shall be applied to areas that are to be left dormant for more than one year."</p> <p>9VAC25-840-40(2) states: "During construction of the project, soil stock piles and borrow areas shall be stabilized or protected with sediment trapping measures. The applicant is responsible for the temporary protection and permanent stabilization of all soil stockpiles on site as well as borrow areas and soil intentionally transported from the project site."</p> <p>9VAC25-840-40(5) states: "Stabilization measures shall be applied to earthen structures such as dams, dikes and diversions immediately after installation."</p> <p>Permit Part II(B)(2)(c)(8) states: "A properly implemented erosion and sediment control plan... ensures that stabilization of disturbed areas will be initiated immediately whenever any clearing, grading, excavating, or other land-disturbing activities have been permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 days..."</p>
16	(CGP Part II F.1) (9VAC25-840-60.A)	1	<p>Observation: During the inspection the following maintenance items were observed:</p> <ul style="list-style-type: none"> • It appears that flow from the channel above SB 1 has flowed around the practice along the SSF and erosion of the slope has resulted.

¹ Refers to applicable regulation found in the most recent publication of the State Water Control Law (Va. Code § 62.1-44.2 et seq.), Virginia Erosion and Sediment Control Regulations (9VAC25-840), the Virginia Stormwater Management Program (VSMP) Regulations (9VAC25-870), or the General VPDES Permit for Discharges of Stormwater from Construction Activities (9VAC25-880).
 Rev. 6/2019

			<ul style="list-style-type: none"> • The SW channel and check dams on the East side (closest to neighboring houses) need maintenance. Additionally, the channel is not well defined and water flowing to the area is wearing away at the base where SF is entrenched. • SF was observed tipping over in the area downstream of the channel-re-staking is needed. • On the banks of SB2 deep rill erosion was observed • Sediment was observed in the storm sewer pipe located across from the CE on W. Frederick Drive • SB 6- Erosion observed by the riser structure on the bank • ST3- the outfall was no longer connected • A water seep was observed down the slope between ST 3 and ST4 • The SW channel above ST4 was observed washed out, sediment was caked in the check dams. Some check dams were also observed washed out. <p><u>Recommended Corrective Action:</u></p> <p>9VAC25-840-40 (9) states: “Whenever water seeps from a slope face, adequate drainage or other protection shall be provided.”</p> <p>Permit Part II(F)(1) states in part: “All control measures must be properly maintained in effective operating condition in accordance with good engineering practices and, where applicable, manufacturer specifications.”</p> <p>9 VAC 25-840-60(A) states in part: “All erosion and sediment control structures and systems shall be maintained, inspected and repaired as needed to insure continued performance of their intended function...”</p> <p>9 VAC 25-870-54(B) states in part: “An erosion and sediment control plan consistent with the requirements of the Virginia Erosion and Sediment Control Law and regulations must be designed and implanted during construction activities.”</p>
--	--	--	--

Comments: DEQ met with Robert Wessel-Pulte, Dan Fisk- WSSI, Steven Pickeral, Greg Glass, and Ross Kline - Loudoun County Inspectors, and members of the Loudoun County stormwater department. Loudoun county and Pulte will work together to find solutions to resolve ST3 no longer having a functional outfall and the water seep observed between ST3 and ST4. Loudoun County will conduct the reinspection.

Recommended Corrective Action Deadline: 9/29/21

Targeted Re-Inspection Date: TBD by Loudoun County

The recommended corrective action deadline date applies to all conditions noted on this report unless otherwise noted. If listed condition(s) currently constitute non-compliance and/or corrective actions are not completed by the deadline, other enforcement actions may be issued to the entity responsible for ensuring compliance on the above project.

Inspector Signature: Emily Janzow Date: 9/21/2021

CONSTRUCTION GENERAL PERMIT SITE INSPECTION PHOTO LOG

Fig. 1 Description: Sediment Basin 2 banks observed without stabilization.



Fig. 2 Description: Rill erosion observed on the banks of SB#2



Fig. 3 Description: Stock pile needs stabilization.



Fig. 4 Description: Slope located in the corner of the site behind SB#2



Fig. 5 Description: ST#3 pipe outlet is no longer connected



Fig. 6 Description: SW channel above ST#4 observed with erosion, sedimentation in check dams and some check dams blown out.

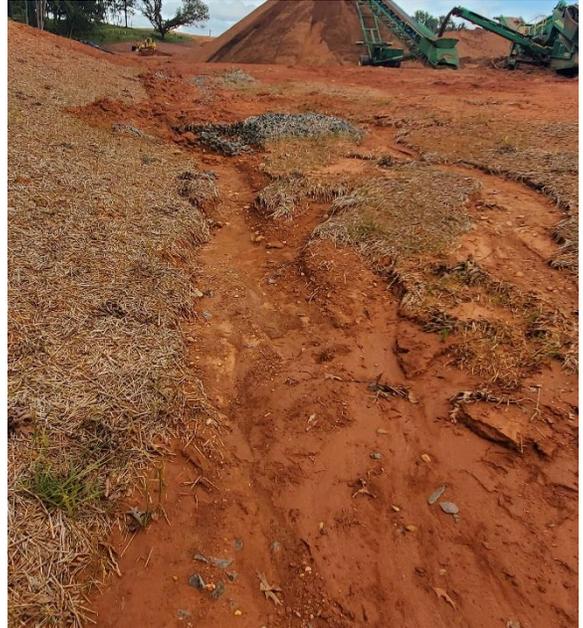


Fig. 7 Description: Slope to the left of SW channel if figure 6- needs stabilization



Fig. 8 Description: Sediment observed in SW pipe





Loudoun County, Virginia

Department of General Services

801 Sycolin Road S.E., P.O. Box 7100, Leesburg, VA 20177-7100

Phone: (703) 771-5552 Fax: (703) 737-8008

Anna Tuthill
NRO Regional MS4 Coordinator/Inspector
Virginia Department of Environmental Quality
Norther Virginia Regional Office
13901 Crown Court
Woodbridge, VA 22193

November 29, 2021
(via email)

Subject: Loudoun County Responses to the Virginia Pollutant Discharge Elimination System
MS4 Registration No. VAR040067 Loudoun County FY2021 Ms4 Audit

Mrs. Tuthill,

The Loudoun County Department of General Services has reviewed the DEQ MS4 Audit of the Loudoun County MS4 program, dated October 26, 2021. Attached are the Loudoun County responses to DEQ's audit recommendations and audit corrective actions.

Sound you have any further questions or comments, please feel free to contact me.

Sincerely,

Chris Stone
Chief, Stormwater Management
chris.stone@loudoun.gov
571.258.3542

Audit Recommendations:

1. MCM #3 – If an illicit discharge entering the MS4 and state waters requires reporting to DEQ PREP, the report should indicate that a discharge is associated with the County's MS4 system by referencing the MS4 permit number.

Loudoun County Response:

- DGS will review this request with the Fire Marshall's office.

2. MCM #5 – Inspection forms in the procedures should include the name and license number of the inspector.

Loudoun County Response:

- The name and certification number of the inspector conducting the inspection will be added to our field inspection form templates. The same information will be added to the digital version of the inspection report.
- The BMP inspections for the current permit cycle (July 1, 2021 to June 30, 2022) have already begun so we may not be able to incorporate these changes into this inspection cycle. However, we will make every effort to get these incorporated in the next round of inspections.

3. MCM #5 – Inclusion of a maintenance agreement template for privately owned SMFs within the MS4 Program Plan is recommended.

Loudoun County Response:

- The Loudoun County stormwater program currently has two types of maintenance agreements. The *"Agreement for Maintenance of a Stormwater Management Pond"* is required for all wet ponds that the county maintains. The *"Facilities Maintenance Performance Agreement"* is required for all manufactured filtration BMPs. Both agreement templates have been added to the Program Plan via hyperlink.

4. MCM #5 – Due to the drainage issues, the County may consider evaluating the dry pond at Claude Moore Park since it retains water for a period greater than 48 hours after a significant rainfall.

Loudoun County Response:

- We reviewed the plans for this BMP and have noted that this pond is an enhanced extended detention dry pond with a designed permanent pool. Additionally, we reviewed the last inspection report and the pond was found to be functioning as designed and there were no significant maintenance items noted.

5. MCM #6 – Establishing comprehensive written housekeeping procedures for activities at County facilities is recommended.

Loudoun County Response:

- The county has already established written housekeeping procedures for activities at county facilities. These are reviewed annually to determine if they need to be updated.

6. MCM #6 – Incorporating snow removal and deicing protocol into the written procedures is recommended.

Loudoun County Response:

- Deicing is covered in the Loudoun County Road, Street, and Parking Lot Maintenance SOP, version 3, dated November 2019.

7. MCM #6 – Retaining three years of training records separately from the MS4 annual reports is recommended.

Loudoun County Response:

- Loudoun County already keeps the training records separate from the annual reports. A sign in sheet is generated for each training session. After the class, the sheet is scanned and saved on the stormwater server.

Audit Corrective Actions:

1. Overall Program Management – Update the MS4 Program Plan to include all specific requirements listed in Part I.E for each MCM. (Part I.C of the MS4 General Permit). Required components that are not included in the Program Plan are listed below:
 - a. Procedures for the public to provide input regarding the MS4 Program Plan (MCM #2, Part 2.e (2)).

Loudoun County Response:

- These procedures are identified in the memorandum "*Procedures for Public Involvement and Participation in the Stormwater Program*", dated August 21, 2019. Specifically, Procedures section, number 2.
- This memo was be added to the Program Plan via a hyperlink.

- b. A description of the public involvement activities to be implemented (MCM #2, Part 2.e (3)).

Loudoun County Response:

- The Program Plan (BMP 2C) has been revised to include the public involvement activities. The revised Program Plan will be updated on the Stormwater website.

- c. Copies of written notifications of new physical interconnections (MCM #3, Part 3.d (2))

Loudoun County Response:

- These letters have been distributed for permit year 4 and they will be linked to the Program Plan via hyperlink.

- d. IDDE Procedures (MCM #3, Part 3.d (3)).

Loudoun County Response:

- The written IDDE Procedures were already included by reference in Appendix A of the Program Plan. The IDDE Procedures have been linked to the document via a hyperlink.

- e. Written procedures and associated inspection documents to ensure that E&S controls are properly implemented (MCM #4, Part 4.c (4)).

Loudoun County Response:

- The Loudoun County E&S enforcement document, "*Erosion and Sediment Control Program Enforcement Protocol*", dated August 19, 2010, has been added to the Program Plan via a hyper link.

- f. A copy of the VSMP approval letter (MCM #5; Part I.E.5.h (1)(a) of the MS4 General Permit).

Loudoun County Response:

- Here is a quote from an email sent by Ms. Tuthill from DEQ on November 22, 2021. "*Loudoun County is on the list of approved VSMPs. Therefore, it is satisfactory if you send the package [audit response package] without the letter*".

- g. Written inspection procedures for private (to include maintenance agreement) and public SMFs (MCM #5, Parts I.E.5.h (1)(b) and I.E.h (2)(4)).

Loudoun County Response:

- The “*Stormwater BMP Facility Inspection and Maintenance Procedure*”, dated August 21, 2019, has been added to the Program Plan via a hyperlink.
- The county maintenance agreement templates, mentioned earlier, have been added as well.

- h. The SMF database or incorporation by reference with a location, e.g., URL address (MCM #5, Part I.E.5.h (6)).

Loudoun County Response:

- The BMP database has been added to the Program Plan via a hyperlink.

- i. Written procedures for the operations and maintenance activities (MCM #6, Part I.E.6.p (1)).

Loudoun County Response:

- The Loudoun County operations and Maintenance SOPs were incorporated into the Program Plan by reference. They have now been linked via a hyperlink.

2. MCM #3 – Include the name of the receiving stream for the MS4 outfalls in the map (Part I.E.3.a (1)(c) of the MS4 General Permit).

Loudoun County Response:

- We have decided to change our system map from a hard copy paper (pdf) map to an online version. A link to that map has been added to the stormwater website and into the Program Plan.
- The new online map has the name of the receiving stream.

3. MCM #5 – Update the County’s MS4 SMF database to include all information required by the Permit (Part I.E.5.d of the MS4 General Permit).

Loudoun County Response:

- The BMP database has been added to the Program Plan via a hyperlink.

Appendix C

Nutrient Credit Purchase

EXHIBIT A - BILL OF SALE
Nonpoint Nutrient Offset Credits

BILL OF SALE, made as of May 18, 2022, by **COLD SPRING, LLC**, a Virginia limited liability company (“Seller”), to **COUNTY OF LOUDOUN, VIRGINIA** (“Purchaser”).

WHEREAS, Seller and Purchaser have entered into that certain Agreement for Purchase and Sale of Nutrients Mitigation Credits, dated as of April 12, 2022 (the “Purchase Agreement”, the terms of which are incorporated herein by reference and made a part hereof), with respect to the sale by Seller and purchase by Purchaser of Compensatory Nutrient Mitigation Credits held in Seller’s Nonpoint Nutrient Offset Bank in August County, Virginia.

NOW THEREFORE, for and in consideration of the payment of the Purchase Price (as defined in the Purchase Agreement) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Seller hereby sells, transfers, assigns, conveys, delivers and sets over to Purchaser, its successors and assigns, **30 Nutrient Credits** (“Credits”) as such are described in the Purchase Agreement.

TO HAVE AND TO HOLD all such Nutrient Credits hereby sold and transferred to Purchaser and its successors and assigns forever.

IN WITNESS WHEREOF, Seller has caused this Bill of Sale to be executed by its duly authorized representative as of the date first above written.

COLD SPRING, LLC,
a Virginia limited liability company

By: 
Name: James R. Parker, II
Its: Manager

Project Name: Loudoun County Municipal Separate Storm Sewer System
Project/Plan #:
Applicant: County of Loudoun, Virginia
Phosphorous Offsets: 30
Associated Nitrogen Offsets: 98.28
Associated Sediment Offsets: 47,811.62

EXHIBIT B

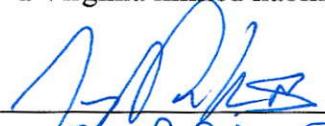
AFFIDAVIT OF PHOSPHORUS OFFSET SALE

COLD SPRING, LLC, a Virginia limited liability company (“Seller”), hereby certifies the following:

1. Pursuant to that that certain Agreement for Purchase and Sale of Nutrients Mitigation Credits, dated as of April 12, 2022 (the “Purchase Agreement”, the terms of which are incorporated herein by reference and made a part hereof) between Seller and **COUNTY OF LOUDOUN, VIRGINIA** (“Purchaser”), Seller, for the benefit of the Purchaser, agreed to sell 30 pounds of nonpoint source phosphorus offsets (the Nutrient Credits) to Purchaser and retire the associated ratio of nonpoint source nitrogen and sediment offsets at the offset generating facility in the amounts of 98.28 pounds of nitrogen offsets and 47,811.62 pounds of sediment offsets.
2. Seller and Purchase, as of the date hereof, have the closed the transaction contemplated by the Agreement and the Seller has sold to Purchaser the phosphorus offsets.

WITNESS the following signature:

COLD SPRING, LLC,
a Virginia limited liability company

By: 
Name: James R. Parker, III
Title: Manager

Sworn to and subscribed before me this 18 day of May, 2022, by James R. Parker, III
Manager, on behalf of the COLD SPRING, LLC, a Virginia limited liability company.

My commission expires: March 31, 2026

City/County of: Richmond

Margaret G. Mooney, Notary
Notary Public

Project Name: Loudoun County Municipal Separate Storm Sewer System

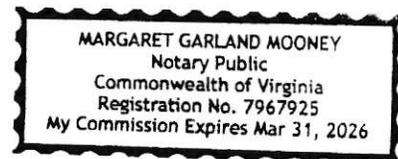
Project/Plan #:

Applicant: County of Loudoun, Virginia

Phosphorous Offsets: 30

Associated Nitrogen Offsets: 98.28

Associated Sediment Offsets: 47,811.62



Appendix D

Clean Water Partners



Northern Virginia Clean Water Partners Annual Summary of Results July 1, 2021 - June 30, 2022

Polluted stormwater runoff is the number one cause of poor water quality in Northern Virginia's streams and rivers. 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 enter storm drains on the street and are discharged directly into nearby streams.

To reduce the impacts of stormwater pollution, the Northern Virginia Clean Water Partners joined together to improve residents' knowledge and behavior through an ongoing public education campaign.

About the Partnership

The Northern Virginia Clean Water Partners is composed of a group of local governments, drinking water and sanitation authorities, and businesses that share 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 empower individuals to take action to reduce pollution.

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.

**"Only rain down the storm drain"
- Partnership Motto**

The 2022 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.

For more information visit onlyrain.org

2022 Campaign Overview

The Northern Virginia Clean Water Partners identified the following water quality issues to highlight in their 2022 campaign:

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

Target audiences for these issues include pet owners, winter salt applicators, home mechanics, and residents with a lawn or garden. To reach these audiences, the campaign used a combination of social media, television, printed advertising, and the Only Rain website to distribute messaging that would improve stormwater-related knowledge and behaviors. Partners also participated in local events throughout the year to engage residents and raise campaign awareness.

To expand outreach and engagement, the 2022 campaign also included several new social marketing tools, including:

- A "Clean Water Pledge" on onlyrain.org for participants to adopt a new clean water behavior
- New "made for social media" psa's for target audiences on Facebook and Twitter
- A quarterly e-newsletter
- A Facebook Group for people to interact and connect on reducing stormwater runoff

Social Media

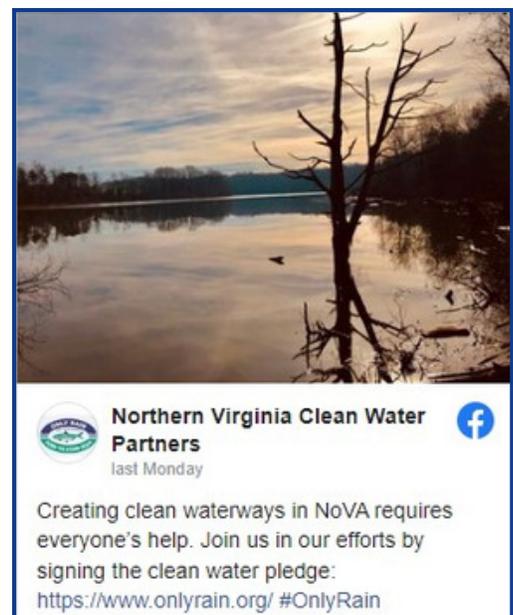
The Clean Water Partners created Facebook and Twitter accounts as a part of their 2020 campaign strategy.

Since July 1, 2021, the Facebook page has gained 120 new followers for a total of 403 current followers. During the campaign year, the page had 405 posts, 29,216 post engagements, and 12,740 post link clicks. The Clean Water Partners Facebook Group also gained 53 members.

The Twitter account currently has 131 followers, with 50 new followers since July 1, 2021. Over the year, the account had 408 tweets, 1,051 tweet engagements, and 68 link clicks.

Video Advertisements

The campaign continued to reach residents through a series of video advertisements that focused on residential stormwater management actions. In 2022, the campaign aired two public service announcements (one in English and one in Spanish) on a combination of English and Spanish language networks for a total of 820,154 impressions, or views.



Key Facts and Figures for 2022

- **3,984** visits to OnlyRain.org
- **500** Stormwater Survey responses
- **32** Clean Water Pledges
- **820,154** Premium digital TV impressions* (cable network ads)
- **1,257,502** Total social media impressions* (Facebook and Twitter)
- **30,267** Engagements with social media posts (Facebook and Twitter)

**Impressions are the number of times an ad appeared on a single television or computer screen.*



It's best to think twice before you use salt to de-ice this season. Winter salt can easily runoff into our waterways causing problems for our friends downstream. Learn what you can use instead:
onlyrain.org #OnlyRain

DO YOUR PART AND BE SALT SMART.

#OnlyRain

Top reaching Facebook post of the campaign year

Annual Stormwater Survey

Survey Goal

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

Results

Stormwater and Watershed Knowledge

Only 37% of Northern Virginia residents believe that they live within the Potomac River Watershed, representing a 7% decrease from 2020. 28% of residents are not sure if they live in the watershed and 7% do not know what a watershed is.

When asked where stormwater eventually ends up, 61% of residents responded that it goes to the Potomac River or Chesapeake Bay, while nearly half believe that it goes to a wastewater treatment plant (27%) or do not know where it ends up (18%). Responses to this question have been consistent since 2019.

Overall, results relating to resident knowledge indicate a need for more general education on the Chesapeake Bay watershed and how stormwater runoff ends up in its waterways.

Information and Advertising

Nearly one-third (32%) of residents in 2022 reported that they have seen or received at least some form of information about reducing water pollution in the past 12 months. 24% have heard of specific opportunities to participate in water quality improvement activities, such as stream clean ups and storm drain stenciling.

28% of residents recalled viewing a Clean Water Partners ad on TV, Facebook, or Twitter prior to taking the survey. While similar to 2021 (29%), this response represents a significant increase from 2020 (22%).

After viewing an ad, 42% of residents stated that they now pick up pet waste more often, 37% plan to fertilize less frequently, 12% now properly dispose of motor oil, and 40% were already taking action to reduce water pollution.

When shown the "only rain down the storm drain" fish logo, 66% of residents reported seeing the logo prior to the survey. While over 50% of residents have recognized the logo each year since 2013, the 2022 response was the highest so far with a 5% increase from 2021. This result highlights a growing awareness of the campaign in recent years through new advertising and engagement efforts.



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, car fluids, and household hazardous waste.



As in 2021, nearly half (48%) of residents reported owning a dog. Of those that walk their dog, 70% stated that they always pick up their dog's waste, while 4% rarely or never pick up the waste.

When asked why they pick up their dog's waste, 32% of residents selected that "it's what good neighbors do" and 21% responded that their actions were due to city or county ordinances. Although there was a slight increase from 2021 (14%), only 17% of residents noted picking up their pet's waste because it causes water pollution.

Based on the percentage of new dog owners in recent years, these results underscore the need and opportunity for further outreach and education around pet waste impacts on local waterways.



77% of residents with a lawn or garden reported fertilizing their lawn at least once a year. Similar to 2021, 21% of residents fertilize twice a year, compared to those that only fertilize in the spring (16%) or in the fall (6%). Notably, 12% stated that they use a lawn care service, indicating that they also fertilize at least once a year.

For those that cut their own grass, only 28% of residents keep their grass clippings on their lawn or garden. 50% bag their clippings and either recycle them (27%) or put them in the regular trash (23%). Future engagement with lawn and garden owners might include information about the various benefits of leaving grass clippings in the yard.



Respondents were provided descriptions of a rain barrel, rain garden, and conservation landscaping and asked whether they have heard of these stormwater management features and would be interested in getting one for their property. While there was a decline in those that had heard of each feature from 2021, there were increases in those reporting that they had seen the features in the neighborhood and were interested in getting one. Specifically, from 2021, there was a 5% increase in those interested in having some form of conservation landscaping on their property.

To build on greater levels of interest, the campaign could provide further resources and opportunities to support residents in obtaining and maintaining these features in the future.





Two-thirds (67%) of residents know if their locality has a specific location to drop off household hazardous waste. Responses to this question have consistently remained above 60% since 2018.



The majority of residents (75%) reported going to an auto center for an oil change or taking their old motor oil to a gas station or hazmat facility for recycling (10%). However, similar to past years, nearly 10% of residents store their used motor oil in their garage, place it in the trash, or dump it down the storm drain, sink or onto the ground.

50% of residents reported that they wash their car or truck at least every other month, with 14% washing it multiple times a month. In particular, there has been a continuous annual increase in residents that wash their automobiles at home (30% in 2018 versus 43% in 2022) and decrease in those that take their car to a carwash (45% in 2018 and 36% in 2022). For those that wash their cars or trucks at home, about half (52%) stated that they use environmentally friendly detergent, while 10% solely use water.

With an increasing number of residents washing their automobiles at home, related engagement should be centered around safe washing practices or encouragement to go to a carwash where dirty water is sent to a wastewater treatment plant.



Next Steps

Through a combination of social media, TV, and the Only Rain website, the 2022 campaign was able to reach a broad span of Northern Virginia residents around stormwater runoff and pollution. New social marketing features, such as the quarterly e-newsletter, further advanced the campaign's messaging and outreach goals.

The 2023 campaign will aim to build off of current momentum and continue to integrate fresh tools to engage residents around various stormwater issues. The next campaign year will include:

- A new campaign video
- Enhanced social media content strategies, such as a "spot the stormdrain sticker" contest
- Monthly partner highlights
- And more!

Northern Virginia Clean Water Partners 2022 Survey at a Glance

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

Watershed Knowledge

Only **37%** of residents believe that they live in the Potomac River Watershed. **7%** do not know what a watershed is.



Where does stormwater go?

Nearly **2/3** of residents think stormwater ends up in the Chesapeake Bay. About **1/4** think it goes to a wastewater treatment plant.



1/3 of residents have heard of rain gardens and conservation landscaping, while nearly **1/2** have heard of a rain barrel.



32% of dog owners pick up their pet's waste due to neighborly responsibilities. Only **17%** pick up pet waste because it causes water pollution.

Automobile Behaviors

3/4 of residents take their car to an auto center for an oil change. Only about **1/3** take their car to a commercial carwash.

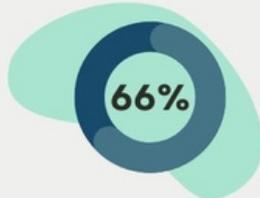


Lawn Fertilizer Practices

77% of residents fertilize their lawn at least once a year. **23%** either never fertilize or only fertilize when a soil test recommends it.



1/2 of residents would probably or definitely report potential pollution to their town or county.



66% of residents recognize the Clean Water Partners logo!

Additional Information

Website: onlyrain.org

Facebook: facebook.com/NVCWP

Twitter: twitter.com/nova_cwp

Contact: Rebecca Murphy

Coastal Program Manager

rmurphy@novaregion.org

703-642-4625

3040 Williams Drive, Suite 200

Fairfax, VA 22031



2022 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 | Northern Virginia Regional Commission | George Mason University | Virginia Coastal Zone Management Program | Fairfax County Public Schools | Prince William County Public Schools | Northern Virginia Soil and Water Conservation District

This summary was produced by Northern Virginia Regional Commission on behalf of the 2022 Clean Water Partners.



Appendix E

Outfall Table

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
AB104	7.233642	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	57.99	PL21	-77.36119892	39.0293769
AB109	2.747865	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	73.00	PL21	-77.36147364	39.02554428
AB1200	89.114605	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	39.96	PL21	-77.38208948	39.04440435
AB1211	7.473138	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	51.80	PL21	-77.38160385	39.04784662
AB1227	1.209761	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	56.79	PL21	-77.38022605	39.04826559
AB1231	2.158107	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	76.49	PL21	-77.37967861	39.04603912
AB1236	2.2757412	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	62.27	PL21	-77.37887102	39.04647598
AB124	1.616600	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	74.71	PL21	-77.36115729	39.03212817
AB1260	19.173763	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	34.85	PL21	-77.37707226	39.0468964
AB1307	26.768929	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	62.27	PL21	-77.38596242	39.03169801
AB1373	3.624742	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	53.16	PL21	-77.38143768	39.03044388
AB1375	4.180294	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	79.43	PL21	-77.382082	39.03117401
AB1377	0.785271	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	66.25	PL21	-77.38118848	39.03124486
AB1411	0.634581	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	99.57	PL21	-77.38498293	39.02720099
AB1414	0.661578	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	59.67	PL21	-77.38520784	39.0279874
AB1419	1.947180	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	75.89	PL21	-77.38591437	39.02670617
AB142	2.662957	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	65.17	PL21	-77.36125261	39.03275497
AB1422	3.537836	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	68.05	PL21	-77.3872538	39.02656988
AB1444	37.869278	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	37.33	PL21	-77.3858926	39.02889333
AB1458	1.649641	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	68.62	PL21	-77.38163115	39.02774807
AB1475	3.108022	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	77.66	PL21	-77.38052513	39.02713268
AB1482	2.343479	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	54.27	PL21	-77.37924291	39.02787429
AB1489	5.143787	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	80.01	PL21	-77.38109447	39.02965755
AB149	9.313605	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	81.30	PL21	-77.36205102	39.03353104
AB1491	1.517072	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	75.51	PL21	-77.38084221	39.02872739
AB1493	2.178457	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	86.82	PL21	-77.38182062	39.02886172
AB1495	1.701857	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	78.35	PL21	-77.37953714	39.02957572
AB1500	3.062969	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	57.68	PL21	-77.37956803	39.03039134
AB1509	39.853026	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	52.09	PL21	-77.37929027	39.03305579
AB1512	0.460481	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	76.93	PL21	-77.37757978	39.03050683
AB153	2.942631	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	87.87	PL21	-77.36307798	39.03449357
AB1532	0.445320	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	64.69	PL21	-77.37767608	39.02880819
AB1535	0.413494	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	61.97	PL21	-77.37743804	39.02887517
AB154	21.807541	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	76.90	PL21	-77.36108543	39.03530799
AB1549	2.209738	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_CHURCH	19.01	PL21	-77.35493598	39.04077163
AB1551	0.853226	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	0.11	PL21	-77.35137604	39.03751829
AB1569	21.290848	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	97.65	PL21	-77.37540557	39.04848069
AB1761	3.109619	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	66.63	PL21	-77.38447781	39.02668599
AB1766	6.526958	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	87.21	PL21	-77.38291445	39.02660138
AB191	2.994613	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	77.94	PL21	-77.36286595	39.03673933
AB1913	17.259695	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	68.10	PL21	-77.37778647	39.01651113
AB1935	17.220228	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	42.72	PL21	-77.37705785	39.01867906
AB1947	0.165531	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_OFFICE_GENERAL	43.33	PL21	-77.37517908	39.01842915
AB1955	2.143500	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	53.67	PL21	-77.3742794	39.01811037
AB1956	1.429875	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	58.68	PL21	-77.37490351	39.01714225
AB1982	6.496608	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	91.31	PL21	-77.37348512	39.01661252
AB1986	2.277885	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MISC	63.92	PL21	-77.37203039	39.01599551
AB2015	6.645809	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_CHURCH	94.41	PL21	-77.37966256	39.01725703
AB2022	5.024016	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	33.11	PL21	-77.37917433	39.01637551
AB2032	0.243801	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	100.00	PL21	-77.37759754	39.01476083
AB2033	14.239984	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	99.07	PL21	-77.37519015	39.01502535
AB2049	1.173753	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	100.00	PL21	-77.37623678	39.01405793
AB2052	0.106972	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	100.00	PL21	-77.37646457	39.01402383
AB23	17.773685	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	54.37	PL21	-77.36323433	39.02442134
AB257	8.425504	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	46.16	PL21	-77.36021256	39.03874602
AB267	4.134121	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	43.41	PL21	-77.36151881	39.03854589
AB273	7.894237	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_OTHER_NON_PUBLIC	35.64	PL21	-77.36089772	39.04055691
AB3018	1.208543	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	52.65	PL19	-77.48426845	39.02525574
AB3021	5.884108	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	46.42	PL19	-77.48345171	39.02477024
AB3056	11.144166	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.30	PL19	-77.48466859	39.02320382

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
AB3099	11.146975	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	36.69	PL19	-77.48201451	39.02270227
AB3101	0.590035	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	52.85	PL19	-77.48281254	39.02127066
AB3109	2.361069	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.02	PL19	-77.48406985	39.02169367
AB3127	8.199570	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.54	PL19	-77.48794325	39.02149046
AB3134	2.565196	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.79	PL19	-77.48583339	39.02152316
AB3141	3.576840	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.44	PL19	-77.48632868	39.02017393
AB3144	3.501528	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	75.11	PL19	-77.48692385	39.01961817
AB3147	2.980198	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	54.89	PL19	-77.48741952	39.02255002
AB3193	5.511019	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.50	PL19	-77.48859506	39.02010971
AB3195	0.187824	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.29	PL19	-77.48801307	39.01884866
AB3197	2.987143	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	53.49	PL19	-77.48859282	39.01797269
AB3209	1.895448	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	62.97	PL19	-77.48721412	39.01838832
AB3214	2.199689	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	92.45	PL19	-77.48922614	39.01818361
AB3218	1.674677	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	75.94	PL19	-77.49011696	39.01840156
AB3224	1.608825	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.40	PL19	-77.48749766	39.01756747
AB3237	6.953903	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.88	PL19	-77.48884355	39.01671514
AB3238	2.229782	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.62	PL19	-77.4881386	39.0156326
AB3249	2.318441	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	86.18	PL19	-77.48810822	39.0170564
AB3291	12.950265	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_CHURCH	39.92	PL19	-77.49027956	39.01571561
AB3325	22.895238	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	42.05	PL19	-77.49281084	39.01646365
AB3330	0.148884	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	1.18	PL19	-77.49218522	39.01851432
AB3333	7.895737	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	43.24	PL19	-77.49364071	39.01757176
AB3341	2.177254	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	34.97	PL19	-77.49412821	39.01840315
AB3348	1.370276	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.03	PL19	-77.49202881	39.01913875
AB3350	3.102961	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.17	PL19	-77.49326894	39.01961923
AB3358	2.960639	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	84.27	PL19	-77.49148065	39.01946957
AB3370	4.175494	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.19	PL19	-77.49153293	39.01991558
AB3390	0.876603	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	26.44	PL19	-77.47825041	39.00247837
AB3391	0.698567	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	1.55	PL19	-77.47979365	39.00302813
AB3392	0.129257	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	0.57	PL19	-77.48095646	39.00341695
AB3393	0.140599	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	0.56	PL19	-77.48150637	39.00356584
AB3394	2.148517	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	36.96	PL19	-77.48281091	39.00458302
AB3395	4.057978	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	36.38	PL19	-77.48512243	39.00368518
AB3398	0.109311	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	0.43	PL19	-77.47611956	39.00152619
AB3400	17.069537	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	64.15	PL17	-77.47945228	38.99514576
AB3402	3.180013	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_DATA_CENTER	100.00	PL17	-77.48742845	39.00314995
AB3403	4.952749	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_DATA_CENTER	99.82	PL17	-77.48637194	39.00329051
AB3404	0.748602	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_DATA_CENTER	100.00	PL17	-77.48576779	39.00241134
AB3406	10.662758	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_DATA_CENTER	100.00	PL17	-77.48396814	39.00214566
AB3474	3.044846	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.24	PL19	-77.49521563	39.0254824
AB3484	11.944405	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.59	PL19	-77.49444831	39.02754285
AB3507	3.064338	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.37	PL19	-77.49424316	39.02968693
AB3510	1.169732	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.35	PL19	-77.49480732	39.02895342
AB3522	7.279815	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	58.59	PL19	-77.49160741	39.02881289
AB3533	5.101504	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	34.60	PL19	-77.49224504	39.03013249
AB3546	1.844901	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.28	PL19	-77.49465248	39.03107053
AB3552	3.261268	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.87	PL19	-77.49414085	39.03162447
AB3556	1.272720	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.19	PL19	-77.49448488	39.03285558
AB356	0.368217	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	HOA	57.59	PL21	-77.36198441	39.04336556
AB3571	3.829233	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	20.28	PL19	-77.49367956	39.03306922
AB3577	10.069114	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	38.15	PL19	-77.50162529	39.03132986
AB358	0.611796	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	HOA	60.41	PL21	-77.36171798	39.04245776
AB360	1.181752	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	HOA	56.77	PL21	-77.3618011	39.04153999
AB3625	6.367238	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	77.58	PL19	-77.49775101	39.02952212
AB3627	1.995505	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.13	PL19	-77.49878481	39.02950544
AB3637	4.647361	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	83.57	PL19	-77.49804827	39.02795931
AB3688	2.792474	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.21	PL19	-77.49938245	39.0282733
AB3689	31.658707	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	44.50	PL19	-77.50292656	39.02743964
AB3691	16.729703	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.15	PL19	-77.50483323	39.02971973
AB3738	4.382827	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.41	PL19	-77.50497749	39.03144124

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
AB3741	14.287974	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	51.02	PL19	-77.50686856	39.03318964
AB3753	10.116777	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	58.44	PL19	-77.50859152	39.03027583
AB3775	4.079354	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	80.67	PL19	-77.50315821	39.03195569
AB39	1.906613	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	63.14	PL21	-77.36434019	39.02577321
AB399	2.923511	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	73.39	PL21	-77.35774405	39.04131658
AB412	3.155701	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	62.21	PL21	-77.35442476	39.0532465
AB413	73.819430	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	52.67	PL21	-77.3533494	39.04883851
AB429	27.709533	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	72.33	PL21	-77.35746262	39.05185215
AB47	2.387231	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	63.80	PL21	-77.3652137	39.02576603
AB498	3.092719	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	86.20	PL21	-77.35921554	39.05268788
AB51	2.523609	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	75.48	PL21	-77.36654721	39.02623945
AB517	10.130998	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	79.78	PL21	-77.36081214	39.05207114
AB524	4.677497	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	79.56	PL21	-77.36056076	39.05080231
AB56	4.156622	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	1.81	PL21	-77.36187557	39.02942801
AB579	10.938476	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	73.68	PL21	-77.35843159	39.04943263
AB59	0.771865	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	73.68	PL21	-77.36349385	39.02606888
AB632	20.740718	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	57.53	PL21	-77.35984891	39.04860963
AB690	4.483661	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	64.75	PL21	-77.35680078	39.04376452
AB700	2.228821	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	67.50	PL21	-77.35675162	39.04293327
AB719	1.489305	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	69.17	PL21	-77.35865983	39.0439072
AB72	3.158238	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	55.35	PL21	-77.36430523	39.02842461
AB723	33.793157	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	55.99	PL21	-77.35731083	39.04582689
AB727	8.247915	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	39.01	PL21	-77.36060079	39.04238853
AB738	2.762042	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	29.84	PL21	-77.35967986	39.04496211
AB752	1.502068	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	0.25	PL21	-77.36210836	39.04397107
AB756	1.010955	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_CHURCH	100.00	PL21	-77.35473388	39.04127989
AB759	1.500808	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_CHURCH	99.80	PL21	-77.35426159	39.04154041
AB761	1.189190	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	69.83	PL21	-77.35330805	39.04267267
AB763	20.006103	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	70.76	PL21	-77.35394807	39.04485494
AB784	3.333119	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	66.75	PL21	-77.35544992	39.04322976
AB79	3.307617	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	75.67	PL21	-77.36540137	39.02774588
AB8	7.730373	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	64.25	PL21	-77.36637918	39.02513665
AB86	3.503291	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	62.37	PL21	-77.36610728	39.02856659
AB88	1.811984	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	59.06	PL21	-77.3620405	39.03028666
AB921	1.504448	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	63.17	PL21	-77.34892671	39.05233957
AB924	1.739781	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	100.00	PL21	-77.34822057	39.05247726
AB938	2.507220	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	66.46	PL21	-77.36620732	39.04444233
AJ107	0.638548	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	59.63	PL21	-77.38252487	39.01068854
AJ1079	49.880928	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	72.82	PL19	-77.42254847	39.02458351
AJ1082	0.465902	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	6.63	PL19	-77.42550828	39.02077171
AJ1089	0.252087	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	2.73	PL19	-77.42467379	39.02087821
AJ109	0.520004	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	56.71	PL21	-77.38317444	39.01096794
AJ1090	2.185521	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	0.52	PL19	-77.42417762	39.02111304
AJ111	4.515517	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	53.21	PL21	-77.38330789	39.01214705
AJ1115	0.776557	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	5.23	PL19	-77.42444186	39.01920151
AJ1132	7.323069	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	98.75	PL19	-77.42788266	39.01970773
AJ1145	0.319046	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	0.15	PL19	-77.42643309	39.02089589
AJ1167	10.747452	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	67.58	PL19	-77.42820222	39.02047586
AJ1170	2.068869	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	96.92	PL19	-77.43004241	39.01789689
AJ1181	10.596478	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	68.49	PL19	-77.4300015	39.02141904
AJ1187	15.187093	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	99.77	PL19	-77.42782539	39.0225617
AJ1227	20.291389	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	99.43	PL19	-77.42795292	39.02397478
AJ1234	48.911064	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	55.48	PL19	-77.42607837	39.02641685
AJ131	4.453728	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	44.93	PL21	-77.38247893	39.01179696
AJ1322	6.262160	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	3.15	PL19	-77.42963832	39.02717228
AJ1335	1.504506	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_HOTEL	19.62	PL19	-77.42679114	39.01767625
AJ1366	25.581069	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	33.74	PL19	-77.41777667	39.02522314
AJ157	16.542518	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	87.40	PL21	-77.38247338	39.01446997
AJ1676	17.704879	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	37.22	PL20	-77.40309238	39.02675917
AJ1685	0.751151	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	100.00	PL20	-77.40480615	39.02954324

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
AJ1688	4.757923	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	82.04	PL20	-77.40310672	39.0285125
AJ1696	22.803748	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	65.64	PL20	-77.40682267	39.03022611
AJ1708	0.354849	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	100.00	PL20	-77.40573411	39.02848627
AJ1712	0.528037	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	100.00	PL20	-77.40563886	39.02906692
AJ1719	3.057069	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	12.88	PL19	-77.43160311	39.02216975
AJ1727	1.032450	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	0.02	PL19	-77.43205518	39.01848473
AJ1761	32.290601	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	54.57	PL20	-77.41643349	39.04457478
AJ1810	3.725950	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	55.75	PL20	-77.41580776	39.0463106
AJ1903	13.888591	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	62.80	PL20	-77.41848921	39.04816675
AJ193	12.217409	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	48.49	PL21	-77.37968848	39.01357953
AJ1989	11.741543	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	61.15	PL20	-77.41660928	39.04789822
AJ1993	5.657904	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	56.25	PL20	-77.41526005	39.04713151
AJ1996	10.827754	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	66.68	PL20	-77.41179611	39.04785533
AJ2011	4.474994	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	80.60	PL20	-77.41272617	39.04914146
AJ2026	7.196863	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	84.17	PL20	-77.41248423	39.04617361
AJ205	1.314841	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	56.98	PL21	-77.37743841	39.01318573
AJ2088	1.421829	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	60.51	PL20	-77.41542851	39.04937226
AJ2101	7.484414	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	63.09	PL20	-77.41588645	39.05088417
AJ2112	0.565248	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	44.56	PL20	-77.41533218	39.05266661
AJ241	5.687152	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_MFA	86.96	PL21	-77.37566292	39.01227133
AJ26	12.853100	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	46.30	PL21	-77.38517097	39.01010019
AJ2658	7.103586	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	77.06	PL45	-77.50876054	38.89619073
AJ2662	10.326663	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	79.17	PL45	-77.50899388	38.89494911
AJ268	4.635721	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	50.19	PL21	-77.37953233	39.0105476
AJ2698	4.602091	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	61.72	PL45	-77.50910286	38.8981006
AJ27	0.075544	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	0.43	PL21	-77.384	39.01007888
AJ2708	0.855690	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run			PL17	-77.55288138	38.9343433
AJ2710	0.674089	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	2.10	PL17	-77.55281038	38.93418725
AJ2734	30.034708	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	48.05	PL42	-77.55414761	38.91662129
AJ2735	5.590896	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	49.89	PL42	-77.54916642	38.91618053
AJ2786	1.180129	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	66.69	PL42	-77.55230827	38.92403329
AJ2787	58.480131	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	37.69	PL42	-77.55467777	38.92612602
AJ2788	33.673792	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	COM_OTHER_PUBLIC	81.50	PL42	-77.54731685	38.92459441
AJ2789	9.917781	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	76.07	PL42	-77.55202211	38.92512281
AJ2857	1.743244	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	57.68	PL17	-77.50121525	39.00501811
AJ2859	5.483403	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	55.76	PL17	-77.50069269	39.00419044
AJ2861	6.582543	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	47.48	PL19	-77.49961297	39.00929219
AJ2906	15.792550	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	62.48	PL17	-77.55355641	38.93110372
AJ2907	1.937915	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	68.74	PL17	-77.5516617	38.93116542
AJ291	26.709892	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	26.05	PL21	-77.37813558	39.01157339
AJ293	1.016387	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	48.93	PL21	-77.37859942	39.00998074
AJ2939	2.203118	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	30.79	PL17	-77.54596526	38.93920283
AJ2948	6.378479	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	61.65	PL42	-77.54941385	38.91725745
AJ2949	1.044496	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	58.75	PL42	-77.55134309	38.91772953
AJ2951	4.363286	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run			PL45	-77.50073676	38.92221607
AJ2952	0.423677	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	99.85	PL45	-77.5065089	38.92296243
AJ2956	16.500405	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_ENTITLED	35.43	PL45	-77.50319517	38.92168048
AJ2958	13.964208	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_HEAVY_IND	35.14	PL45	-77.51058213	38.92671324
AJ2959	9.433280	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_HEAVY_IND	32.92	PL45	-77.49988789	38.92233938
AJ30	0.368470	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_OTHER_NON_PUBLIC	100.00	PL21	-77.38512265	39.01106762
AJ3030	8.166284	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFA	52.26	PL42	-77.54955282	38.92255796
AJ306	1.671701	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	54.29	PL21	-77.3805384	39.01066344
AJ3066	0.736321	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	0.37	PL19	-77.50942365	39.00794351
AJ3067	0.288426	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	10.33	PL19	-77.51089654	39.00814462
AJ3068	0.409311	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.15	PL19	-77.51049671	39.00822759
AJ3069	0.304063	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.05	PL19	-77.5115462	39.00826097
AJ3070	1.847260	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	42.49	PL19	-77.51243212	39.00803244
AJ3071	4.350785	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	56.13	PL19	-77.51437596	39.00639178
AJ3072	3.548789	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	52.98	PL19	-77.51325963	39.00723628
AJ3073	1.759447	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	53.11	PL19	-77.5143515	39.00577577

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
AJ3074	0.349544	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.50	PL19	-77.51549199	39.00536626
AJ3075	0.785010	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	54.89	PL19	-77.5149759	39.00540521
AJ3078	6.275898	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	69.66	PL17	-77.51280653	39.00055063
AJ3082	10.032562	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	70.12	PL17	-77.50661761	39.00379024
AJ3083	4.374808	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	66.45	PL17	-77.50352072	39.00423664
AJ3084	0.238235	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	0.40	PL17	-77.50272849	39.00514755
AJ3132	0.344461	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run			PL17	-77.54289268	38.92809873
AJ3140	3.074107	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run			PL45	-77.50955668	38.92570593
AJ3143	3.574482	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	51.95	PL45	-77.50741671	38.92439955
AJ3144	11.965860	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_ENTITLED	41.63	PL45	-77.50146737	38.92200919
AJ315	1.819594	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	76.42	PL21	-77.3756735	39.01064293
AJ3248	8.686376	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	56.49	PL45	-77.53575728	38.92005752
AJ325	3.283227	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	26.41	PL21	-77.38111667	39.01135974
AJ3274	8.441680	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	51.67	PL19	-77.50316198	39.00794407
AJ3275	1.646972	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	84.57	PL19	-77.51990376	39.03263765
AJ3282	1.863110	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	73.96	PL17	-77.49949995	39.00611242
AJ3283	1.961591	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	78.45	PL17	-77.50842897	39.00346337
AJ3284	5.746034	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	68.49	PL17	-77.51005572	39.00526529
AJ3286	2.803946	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	83.82	PL19	-77.5112852	39.00578965
AJ329	1.614447	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	56.61	PL21	-77.38155542	39.01099621
AJ3319	0.122781	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	76.34	PL17	-77.55178762	38.9334629
AJ3320	3.392135	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	58.80	PL17	-77.55343256	38.93346896
AJ3321	34.800073	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	48.42	PL17	-77.55005702	38.93143743
AJ3348	4.344938	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	76.79	PL42	-77.54825469	38.91804019
AJ3364	1.105201	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	99.18	PL45	-77.50682521	38.92284085
AJ3367	2.511424	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_ENTITLED	56.42	PL45	-77.50752872	38.9231615
AJ3375	7.529459	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_ENTITLED	63.07	PL45	-77.48414447	38.91391946
AJ3379	58.480525	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	MULTI_USE	48.59	PL45	-77.47176231	38.92096196
AJ3393	2.707653	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	72.92	PL17	-77.54430095	38.92801154
AJ3394	0.812018	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	62.46	PL17	-77.54591564	38.92831666
AJ3438	1.366904	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	77.72	PL45	-77.52177166	38.91727406
AJ3439	0.660099	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	99.92	PL45	-77.52251125	38.91674031
AJ3440	10.572597	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	61.22	PL45	-77.52337669	38.91506715
AJ3443	1.026110	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	61.74	PL45	-77.52421032	38.91550585
AJ3444	8.204812	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	82.80	PL45	-77.52185024	38.91575709
AJ3482	1.088508	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	73.86	PL17	-77.5084642	39.00418785
AJ353	6.586381	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	36.89	PL21	-77.38109311	39.00897094
AJ3530	34.154552	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	40.00	PL17	-77.53295883	38.98252794
AJ3570	1.336129	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	13.74	PL17	-77.54521009	38.93297929
AJ360	2.406642	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	50.18	PL21	-77.37984078	39.00860025
AJ3604	10.910932	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	44.47	PL45	-77.51981529	38.91967017
AJ3605	7.129885	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	36.64	PL45	-77.51867043	38.9186874
AJ3608	7.975074	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	72.19	PL45	-77.53003342	38.91811167
AJ3610	1.847711	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	45.97	PL45	-77.52446678	38.9188826
AJ3611	0.302033	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	71.74	PL45	-77.52471656	38.9182899
AJ3612	1.636646	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	63.46	PL45	-77.52386783	38.91835787
AJ3613	2.829039	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	31.08	PL45	-77.52373818	38.91916838
AJ3614	0.344737	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	0.12	PL45	-77.52241716	38.91806852
AJ3615	2.628315	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	51.69	PL45	-77.52523387	38.91880262
AJ3633	4.365157	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	30.79	PL45	-77.53775525	38.91421452
AJ365	2.431958	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	53.24	PL21	-77.37870072	39.0085674
AJ367	2.328226	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	100.00	PL21	-77.37755011	39.00885313
AJ3702	6.736508	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	24.35	PL17	-77.54907948	38.93364449
AJ3716	13.505408	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	70.38	PL17	-77.54739824	38.93136773
AJ3779	2.715052	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	17.07	PL17	-77.54267126	38.93238293
AJ3780	4.497211	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	52.98	PL17	-77.54239423	38.93284513
AJ3781	4.433100	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	50.12	PL17	-77.54230181	38.93357663
AJ3782	0.823841	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_MFA	68.91	PL17	-77.54349881	38.93398002
AJ3783	0.238536	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_MFA	49.00	PL17	-77.54447013	38.93401441
AJ3795	14.324205	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	65.32	PL42	-77.54682568	38.91962628

Loudoun County Virginia
Regulated MS4 Outfall Table

CTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
AJ381	43.391938	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	64.24	PL21	-77.39896337	39.0094297
AJ3819	0.511223	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	47.13	PL45	-77.52898074	38.91770993
AJ3821	0.360105	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	69.14	PL45	-77.52918272	38.91733104
AJ3823	1.305396	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	69.01	PL45	-77.52583492	38.91859131
AJ3824	1.394236	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	71.28	PL45	-77.52633857	38.91848958
AJ3825	1.572870	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	50.71	PL45	-77.52688318	38.91842238
AJ3826	1.312850	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	55.89	PL45	-77.52760756	38.91843752
AJ3827	1.338436	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	31.44	PL45	-77.52714468	38.91920539
AJ3828	1.413586	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	41.65	PL45	-77.5262196	38.9193976
AJ3829	0.817878	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	21.11	PL45	-77.52504811	38.91962489
AJ3830	7.276262	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	71.82	PL45	-77.52940608	38.91935243
AJ3831	3.696348	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	61.17	PL45	-77.53143689	38.91974719
AJ3833	0.171758	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	7.88	PL45	-77.53164662	38.92070725
AJ3885	2.772247	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	78.65	PL17	-77.50624338	39.00521401
AJ39	0.714469	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	39.11	PL21	-77.38334414	39.00999286
AJ3906	3.330646	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	36.09	PL17	-77.54647983	38.93340143
AJ3907	5.902772	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	46.57	PL17	-77.54607069	38.93535087
AJ3940	1.891070	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	70.32	PL17	-77.54461578	38.92735623
AJ4064	5.597269	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	63.45	PL45	-77.53406114	38.91756603
AJ4065	6.955665	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	77.68	PL45	-77.531412	38.9169574
AJ4068	0.498754	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	0.31	PL45	-77.52187518	38.92080906
AJ4069	7.747202	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	54.52	PL45	-77.52060986	38.92103792
AJ4070	1.023885	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	44.15	PL45	-77.52135584	38.919926
AJ4081	2.879036	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	65.84	PL17	-77.50540907	39.0069172
AJ4100	4.671240	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	42.64	PL17	-77.50183501	39.00661342
AJ4133	0.368241	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	1.58	PL17	-77.54495614	38.93503146
AJ4134	4.865842	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	41.85	PL17	-77.54694152	38.93624402
AJ4136	3.790567	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	47.04	PL17	-77.54601866	38.9344567
AJ4137	3.076658	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	49.99	PL17	-77.54596988	38.93387995
AJ4152	20.195698	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	62.10	PL17	-77.54647875	38.92887269
AJ4230	4.125326	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	65.01	PL45	-77.52148188	38.92190557
AJ4231	9.679704	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	64.53	PL45	-77.52208447	38.92298969
AJ4233	1.275955	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	23.64	PL45	-77.52343907	38.92353161
AJ4235	1.230648	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	1.07	PL45	-77.52455046	38.92379294
AJ4237	25.331431	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	70.09	PL45	-77.52060744	38.92491588
AJ4252	23.638136	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	38.06	PL45	-77.5186466	38.92301271
AJ4255	4.019973	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	78.86	PL45	-77.53109165	38.91375465
AJ4256	7.432470	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	52.77	PL45	-77.53122435	38.92142576
AJ4344	1.271878	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	70.00	PL42	-77.54974468	38.91985258
AJ437	1.209649	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	0.60	PL19	-77.41100795	38.99140232
AJ4412	1.170373	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	99.48	PL45	-77.53674309	38.91206528
AJ4413	1.539230	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	100.00	PL45	-77.53579113	38.91608641
AJ4414	3.882092	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	99.10	PL45	-77.53653376	38.91355923
AJ4417	5.705927	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	37.34	PL45	-77.527843	38.92210901
AJ442	13.918355	20700080902	No	Chesapeake Bay	Horsepen Run	RES_SFD	70.48	PL18	-77.40825514	38.99004223
AJ4449	12.029159	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	40.10	PL45	-77.53864472	38.91931486
AJ4451	4.281081	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.24	PL45	-77.53757519	38.91825346
AJ4453	41.397275	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	34.46	PL45	-77.54104666	38.91772297
AJ4507	4.929747	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OFFICE_GENERAL	68.87	PL17	-77.54624291	38.93792139
AJ4509	41.743857	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	45.02	PL42	-77.54645814	38.91620873
AJ4511	2.812528	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	72.89	PL42	-77.55075336	38.91920554
AJ452	7.125128	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	52.79	PL19	-77.40895401	38.99213557
AJ453	5.512883	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.85	PL19	-77.41011541	38.99260033
AJ4534	3.336155	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OFFICE_MEDICAL	19.05	PL17	-77.54302843	38.93887933
AJ454	4.975945	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.19	PL19	-77.41166243	38.99330576
AJ4544	1.570361	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	63.12	PL42	-77.55094933	38.91987503
AJ4547	5.729438	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	74.57	PL42	-77.55347373	38.91836734
AJ4548	2.880836	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	64.34	PL42	-77.55299196	38.91693811
AJ4589	0.051221	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	100.00	PL45	-77.53633131	38.91257062
AJ4590	5.567034	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	100.00	PL45	-77.53476483	38.91332998

Loudoun County Virginia
Regulated MS4 Outfall Table

FCITD	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
AJ4591	12.805337	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	99.43	PL45	-77.53594668	38.9148378
AJ4594	17.427066	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	PUBLIC	32.53	PL17	-77.51877335	38.92863517
AJ467	11.082375	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.90	PL19	-77.41294821	38.99326494
AJ4710	1.733237	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	18.41	PL42	-77.54968298	38.91556891
AJ4736	12.727876	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	34.20	PL17	-77.54240184	38.93746909
AJ4742	0.238413	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run			PL17	-77.54587086	38.93988091
AJ4754	0.965283	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	55.06	PL17	-77.55370121	38.93290843
AJ4887	0.957193	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	20.20	PL42	-77.55220902	38.91620838
AJ496	17.407297	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.97	PL19	-77.41514904	38.99394985
AJ50	1.250335	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFA	52.21	PL21	-77.382569	39.00984403
AJ516	2.117697	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	99.64	PL19	-77.40174504	38.99770462
AJ521	3.745320	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	76.04	PL19	-77.40234525	38.99703911
AJ530	3.999481	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	55.94	PL21	-77.36774666	39.04310552
AJ531	10.839746	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	60.74	PL21	-77.36629488	39.04084454
AJ534	28.724287	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	64.98	PL21	-77.37142078	39.0448822
AJ552	1.879118	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	100.00	PL19	-77.40384843	38.99614941
AJ564	0.623585	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	2.99	PL19	-77.40984994	38.99807055
AJ569	22.836828	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	90.87	PL19	-77.40664894	38.99814627
AJ573	3.225940	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	41.12	PL19	-77.40992482	38.99666417
AJ575	2.131087	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	45.27	PL19	-77.40952063	38.99617611
AJ577	0.290040	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	14.67	PL19	-77.40718628	38.99672355
AJ581	2.389309	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	46.45	PL19	-77.4090924	38.99566207
AJ599	3.228681	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	99.99	PL19	-77.40464518	38.99566687
AJ600	1.019606	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	100.00	PL19	-77.4057845	38.99532093
AJ601	1.880381	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.40637101	38.9960031
AJ604	0.076533	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.40685388	38.99552955
AJ736	1.578010	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	94.99	PL19	-77.41933876	39.00865738
AJ737	1.000770	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.41882828	39.00903969
AJ79	2.040867	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_NON_PUBLIC	52.61	PL21	-77.38569278	39.01247964
AJ811	30.542626	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	70.83	PL19	-77.41701445	39.01889378
AJ84	6.052237	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_NON_PUBLIC	59.42	PL21	-77.38503999	39.0132126
AJ846	2.885035	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	86.67	PL19	-77.41549572	39.01683522
AJ848	5.142913	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	77.86	PL19	-77.41448933	39.01609501
AJ856	40.660547	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	46.40	PL19	-77.41265284	39.01871153
AJ867	9.365923	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	15.93	PL19	-77.41049213	39.01899799
AJ869	5.092150	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	52.79	PL19	-77.41328247	39.013981
AJ882	6.138270	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	71.75	PL19	-77.4192344	39.02001221
AJ887	16.562407	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	42.11	PL19	-77.42074178	39.02260521
AJ888	0.324532	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	0.02	PL19	-77.42193448	39.0209058
AJ905	3.358621	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	77.37	PL19	-77.4178793	39.0206611
AJ911	6.093774	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	60.11	PL19	-77.41879475	39.02278858
AJ940	14.261924	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	65.71	PL19	-77.42083462	39.0177964
AJ942	12.444706	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	98.21	PL19	-77.42382911	39.01764872
AJ950	0.540448	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	74.80	PL19	-77.41086833	39.02149113
AJ951	0.106771	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.41153844	39.02171046
AJ972	27.646600	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	45.88	PL19	-77.41113995	39.0227793
AJ98	8.000090	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_CHURCH	49.94	PL21	-77.38818812	39.01500255
BC107	0.430087	20700080902	No	Chesapeake Bay	Horsepen Run	COM_RETAIL	91.66	PL18	-77.43668118	38.97885723
BC33	3.149950	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	MISC	100.00	PL21	-77.37138252	39.01656836
BC6	4.716324	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	63.17	PL45	-77.48843905	38.89656231
CH10003	2.544111	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.03	PL19	-77.51288599	39.02782611
CH10007	6.751357	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	38.68	PL19	-77.51756526	39.03104868
CH10013	2.027766	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.83	PL19	-77.51639296	39.03037078
CH10014	2.729570	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.64	PL19	-77.51680987	39.0270289
CH10020	1.665702	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.08	PL19	-77.51626914	39.02832664
CH10022	0.763964	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	60.15	PL19	-77.52438843	39.0262708
CH10025	2.718293	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	53.81	PL19	-77.52597144	39.02690549
CH10028	2.698995	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.48	PL19	-77.52580396	39.02633803
CH1003	2.143879	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	77.57	PL21	-77.36828144	39.04927769
CH10030	0.659555	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	49.14	PL19	-77.52522669	39.02540376

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH10033	2.812170	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	82.98	PL19	-77.52431327	39.02569476
CH10034	1.560680	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	59.77	PL19	-77.52393632	39.0253287
CH10041	6.946141	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.98	PL19	-77.52616353	39.02470534
CH10049	2.039533	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	50.52	PL19	-77.52301989	39.02591588
CH10071	2.377281	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	49.46	PL19	-77.5202249	39.02471226
CH10072	6.656008	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.15	PL19	-77.51844942	39.022959
CH1008	3.631304	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	66.56	PL21	-77.36719987	39.05066584
CH10087	1.141222	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	58.07	PL19	-77.51568035	39.02322194
CH10088	1.355553	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.43	PL19	-77.51713507	39.02371597
CH10119	6.345526	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.52	PL19	-77.51851534	39.02158064
CH10133	3.290583	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	55.64	PL19	-77.51609995	39.02005357
CH1014	1.984420	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	72.15	PL21	-77.36640532	39.05008181
CH10144	8.940804	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.57	PL19	-77.52749143	39.02608196
CH10168	17.536517	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	73.79	PL19	-77.52603906	39.02807819
CH102	1.384133	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	70.57	PL21	-77.35182048	39.03583309
CH10202	17.106730	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	52.41	PL19	-77.52371683	39.02908677
CH10206	7.382880	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.58	PL19	-77.52112766	39.02998796
CH1022	14.315363	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	81.31	PL21	-77.36961729	39.05008552
CH10236	1.893502	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.05	PL19	-77.52358299	39.02723914
CH10253	1.749843	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.15	PL19	-77.52225253	39.02166582
CH10271	6.283317	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.37	PL19	-77.52112491	39.02163983
CH10273	16.095536	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	62.74	PL19	-77.52239051	39.02074691
CH10308	5.223011	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.17	PL19	-77.51350917	39.02753438
CH10318	2.552217	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	82.41	PL19	-77.51323169	39.02601579
CH10322	2.213350	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	61.36	PL19	-77.52189655	39.02680651
CH10333	1.427352	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.80	PL19	-77.52025868	39.0285688
CH10336	0.973456	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.15	PL19	-77.51743048	39.02693673
CH10338	2.936764	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.50	PL19	-77.51723234	39.02508477
CH10345	4.543024	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	83.19	PL19	-77.51777298	39.02568284
CH10349	1.386547	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.90	PL19	-77.51531095	39.02715805
CH10352	0.966280	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.87	PL19	-77.51530552	39.02631133
CH10361	5.387718	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.24	PL19	-77.51545221	39.02492804
CH10387	10.810860	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.88	PL19	-77.51426452	39.02441611
CH10389	1.389768	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.79	PL19	-77.51534757	39.02191294
CH10394	2.511277	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.93	PL19	-77.5162007	39.02203657
CH10400	1.661823	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.22	PL19	-77.51592878	39.0211252
CH10406	3.030911	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	39.62	PL19	-77.51683422	39.01992546
CH10413	1.256135	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.07	PL19	-77.49540214	39.02436436
CH10421	1.382497	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.07	PL19	-77.49552338	39.02316239
CH10437	8.211330	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	46.87	PL19	-77.49398247	39.02237174
CH10438	0.723013	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	42.68	PL19	-77.49498792	39.02190537
CH10439	0.412469	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	64.67	PL19	-77.49525675	39.02220966
CH10442	0.958680	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	79.59	PL19	-77.49586653	39.02228432
CH10445	0.593461	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	58.69	PL19	-77.49565624	39.02190638
CH10460	9.252245	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	46.66	PL19	-77.49517861	39.02069577
CH10474	1.995877	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	20.77	PL19	-77.49543791	39.01905808
CH10487	6.137810	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	76.78	PL16	-77.50409918	39.08698112
CH10504	4.472479	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	63.00	PL16	-77.50286184	39.0865221
CH10507	0.019010	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	MULTI_USE	89.23	PL16	-77.50211846	39.08787817
CH10510	0.393159	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	MULTI_USE	87.04	PL16	-77.50227824	39.08806445
CH10518	17.897861	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	COM_OTHER_PUBLIC	51.60	PL16	-77.50248738	39.08434055
CH10547	6.801573	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	43.61	PL16	-77.49617091	39.08489854
CH1056	3.450999	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	73.77	PL21	-77.3691596	39.05145381
CH10565	19.020608	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	COM_OTHER_PUBLIC	55.75	PL16	-77.49998421	39.08329615
CH10599	82.035415	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	26.50	PL20	-77.48934823	39.08713948
CH1061	24.785834	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	60.03	PL21	-77.37227563	39.04949322
CH10672	5.126196	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	VACANT_ENTITLED	80.43	PL16	-77.49707478	39.08546158
CH10695	4.000263	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	98.46	PL19	-77.5107321	39.0156427
CH10714	9.677208	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	97.64	PL19	-77.50937938	39.01531466
CH10743	8.850698	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.87	PL19	-77.51080151	39.01264947

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH10769	2.970503	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	59.98	PL19	-77.50930817	39.01282789
CH10790	7.552043	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	58.19	PL19	-77.50834982	39.01173718
CH10793	2.405758	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	57.68	PL19	-77.50485916	39.01046952
CH10803	2.883459	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	56.16	PL19	-77.50600524	39.01070345
CH10808	0.771700	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.15	PL19	-77.50627071	39.01130302
CH10819	2.518779	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	28.89	PL19	-77.50664768	39.01017689
CH10838	9.604233	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	38.80	PL19	-77.50965491	39.01107923
CH10851	0.554462	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	31.21	PL19	-77.51105276	39.01063459
CH10864	3.065341	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	54.01	PL19	-77.5121198	39.01051544
CH10896	5.477371	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	32.95	PL19	-77.51278373	39.01290002
CH10904	0.968679	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.50038865	39.01450185
CH10906	1.372835	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.50050682	39.01364302
CH10913	3.261327	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	70.79	PL19	-77.50073917	39.01536632
CH1092	11.655329	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	27.59	PL21	-77.37432661	39.05042939
CH10925	2.456822	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	97.85	PL19	-77.49885383	39.01311297
CH10933	2.133859	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	94.27	PL19	-77.4983503	39.01374009
CH10936	0.663476	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	86.63	PL19	-77.49793776	39.01444263
CH1095	2.066414	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_NON_PUBLIC	27.64	PL21	-77.37568414	39.05048206
CH10951	1.534927	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	0.06	PL19	-77.51274365	39.00972042
CH10953	2.613830	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	35.47	PL19	-77.51379618	39.00869852
CH10964	11.552557	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	94.72	PL19	-77.49686036	39.01313152
CH11021	4.309517	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	41.30	PL14	-77.52752521	39.02421917
CH11025	2.496892	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	29.98	PL14	-77.52842257	39.02352343
CH11026	6.242356	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	38.80	PL14	-77.52941277	39.02257042
CH11032	1.352714	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	10.25	PL14	-77.53035322	39.02081815
CH11033	9.054331	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	32.25	PL14	-77.5308336	39.02224864
CH11039	1.672754	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	4.49	PL19	-77.50525844	39.06600932
CH11041	5.707405	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	77.23	PL19	-77.50495468	39.06617768
CH1111	2.306115	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	HOA	60.60	PL21	-77.37773085	39.05162581
CH1114	10.352147	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	HOA	32.01	PL21	-77.3794115	39.0511079
CH11150	5.903078	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	MULTI_USE	21.66	PL16	-77.50165792	39.088175
CH11190	2.346383	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	33.03	PL16	-77.49885634	39.08600936
CH11192	1.625953	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	0.12	PL16	-77.49889011	39.0864777
CH11203	8.138732	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	47.39	PL16	-77.49569391	39.0863885
CH11293	8.473625	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	72.82	PL20	-77.48633235	39.07717501
CH11319	0.117640	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.49749261	39.08215852
CH11324	3.572215	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	MULTI_USE	11.62	PL16	-77.49591166	39.08299668
CH11325	80.877887	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	26.50	PL16	-77.4924938	39.08293939
CH11348	6.658900	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	83.02	PL16	-77.51106287	39.08988522
CH11358	0.618375	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	50.76	PL16	-77.51196738	39.08964197
CH1136	16.429987	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	MULTI_USE	49.47	PL21	-77.38126125	39.05055767
CH11360	16.441737	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	38.99	PL16	-77.51358211	39.09171507
CH11395	1.187055	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	43.93	PL16	-77.5079803	39.09017843
CH11396	15.054298	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	75.49	PL16	-77.51009183	39.09123204
CH11401	3.421676	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	67.41	PL16	-77.51017568	39.09008609
CH1141	0.902029	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	HOA	66.35	PL21	-77.38168758	39.05249404
CH11425	1.832499	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	69.42	PL16	-77.51353585	39.08899583
CH11430	6.186090	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	72.81	PL16	-77.51467006	39.08973746
CH11440	1.989331	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	81.12	PL16	-77.51555918	39.09038767
CH11467	1.555680	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	72.31	PL16	-77.5075981	39.09978074
CH11469	1.460021	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	65.25	PL16	-77.50665952	39.09966141
CH11479	7.533843	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	79.83	PL16	-77.50663091	39.09878684
CH11490	14.388730	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	59.16	PL16	-77.50910516	39.0987126
CH11499	0.522957	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	0.01	PL16	-77.51496984	39.09788395
CH11501	4.707423	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	46.23	PL16	-77.51505429	39.09661219
CH11508	7.709858	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	61.71	PL16	-77.51380404	39.09571039
CH11565	1.319075	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	54.04	PL19	-77.42771729	39.00764706
CH11566	1.177167	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	72.96	PL19	-77.42702073	39.00778277
CH11229	0.950732	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run			PL21	-77.36616706	39.04516061
CH1232	0.645214	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run			PL21	-77.36446169	39.04484575

Loudoun County Virginia
Regulated MS4 Outfall Table

FCITD	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH1237	3.109254	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	21.24	PL21	-77.36844937	39.0456124
CH1243	16.084085	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	71.16	PL21	-77.3721071	39.04630353
CH125	14.520504	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	59.89	PL21	-77.35346962	39.03469557
CH1275	1.011410	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	96.20	PL21	-77.375053	39.04969675
CH130	0.800026	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	60.37	PL21	-77.3536153	39.03695622
CH132	1.981132	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	48.14	PL21	-77.35372423	39.0364881
CH1342	0.596664	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	99.79	PL21	-77.37902807	39.04978935
CH140	4.520168	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	45.02	PL21	-77.35300261	39.03704514
CH144	0.251031	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	51.04	PL21	-77.3542788	39.03769279
CH1510	2.079325	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	67.03	PL21	-77.36525206	39.04247055
CH1513	4.283256	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	59.89	PL21	-77.36442941	39.0422111
CH1517	5.727589	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	56.66	PL21	-77.36486759	39.04044888
CH1524	3.617133	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	68.61	PL21	-77.36581374	39.03881526
CH1532	20.997056	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	47.83	PL21	-77.36810909	39.03785213
CH1543	4.190247	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	62.95	PL21	-77.36674243	39.03660403
CH1545	53.132696	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	44.72	PL21	-77.36922423	39.03497745
CH1593	1.218752	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	65.16	PL21	-77.36584934	39.03279118
CH162	0.551021	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	0.64	PL21	-77.35385212	39.03584943
CH1693	2.487666	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	63.25	PL21	-77.3691732	39.03063775
CH1697	1.394482	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	75.50	PL21	-77.36949395	39.03195121
CH17	1.296729	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	64.34	PL21	-77.3566707	39.03127956
CH1701	4.512620	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	75.91	PL21	-77.36863952	39.03190897
CH1703	8.013285	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	68.94	PL21	-77.37083985	39.03323945
CH1714	4.692815	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	58.49	PL21	-77.36497857	39.03162929
CH1719	0.927746	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	63.92	PL21	-77.36556943	39.03126579
CH1726	18.163882	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	79.00	PL21	-77.37244437	39.03272809
CH1732	1.085042	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	69.33	PL21	-77.37060199	39.03071022
CH1742	21.157144	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	67.00	PL21	-77.37470878	39.03232896
CH1753	6.038193	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	77.57	PL21	-77.3673149	39.03234637
CH1755	1.462075	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	65.13	PL21	-77.37343643	39.03057486
CH177	1.125576	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	35.89	PL21	-77.35071979	39.03879032
CH1820	6.943917	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	77.06	PL21	-77.38587849	39.03368593
CH1822	2.176840	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	100.00	PL21	-77.38360526	39.03352373
CH1833	13.856403	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	65.50	PL21	-77.36831684	39.04021966
CH1854	7.189146	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	62.21	PL21	-77.37015949	39.0403922
CH1858	5.381194	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	52.90	PL21	-77.37095113	39.03953881
CH1864	3.711672	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	59.82	PL21	-77.36848891	39.04269039
CH1867	11.954228	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	62.28	PL21	-77.37110981	39.0433246
CH188	39.726292	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	34.29	PL21	-77.34529095	39.04093403
CH1895	36.731920	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	58.57	PL21	-77.37475794	39.04317821
CH1896	1.865973	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	67.85	PL21	-77.37207639	39.04194598
CH1901	3.387294	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	67.24	PL21	-77.3728513	39.04099918
CH1905	6.198428	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	60.51	PL21	-77.37436363	39.04058192
CH1917	0.943555	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	94.04	PL21	-77.37835785	39.03883609
CH1919	39.528161	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	37.13	PL21	-77.37844653	39.04091365
CH1950	49.644712	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	33.66	PL21	-77.38287788	39.03951246
CH1951	0.900853	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	80.84	PL21	-77.37974983	39.03803519
CH1952	50.224515	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	29.20	PL21	-77.38344741	39.03594315
CH1994	48.651291	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	43.29	PL21	-77.37423252	39.03635485
CH20	4.649210	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	63.01	PL21	-77.35795864	39.02961894
CH2085	3.477405	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	65.09	PL21	-77.3742628	39.03826136
CH2091	5.377873	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	68.35	PL21	-77.37560852	39.03797677
CH2095	0.629299	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	51.38	PL21	-77.37668982	39.03793406
CH2096	8.264366	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	53.85	PL21	-77.37745036	39.03614501
CH2125	16.265018	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	47.54	PL21	-77.37953467	39.03591654
CH216	0.574789	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	62.90	PL21	-77.35147615	39.0383622
CH2167	11.712692	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	63.13	PL21	-77.38329479	39.00790202
CH218	1.047298	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	54.55	PL21	-77.35184181	39.03850227
CH219	0.230723	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	60.85	PL21	-77.35214335	39.03823547
CH2201	3.498597	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	81.72	PL21	-77.38211688	39.00678199

Loudoun County Virginia
Regulated MS4 Outfall Table

FCITD	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH2204	6.768651	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	68.23	PL21	-77.38092692	39.0073922
CH2224	19.381312	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	57.44	PL21	-77.38572024	39.00810087
CH2238	8.150555	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	67.76	PL21	-77.38755007	39.00919476
CH2243	2.075344	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	66.88	PL21	-77.39047746	39.00826095
CH2247	50.415178	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	70.21	PL21	-77.38986753	39.01105825
CH2254	4.663068	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_CHURCH	55.96	PL21	-77.39238761	39.00750452
CH2260	2.583562	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	61.78	PL21	-77.39368439	39.00807184
CH2261	3.203047	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	61.73	PL21	-77.39491514	39.00716188
CH2270	2.218544	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	81.12	PL21	-77.3961019	39.00731833
CH2275	0.293767	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	0.44	PL21	-77.39493651	39.0083944
CH2287	1.235835	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	65.19	PL21	-77.39526122	39.00578367
CH2295	2.570577	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	42.17	PL21	-77.39541902	39.00363958
CH2296	54.730534	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	44.58	PL21	-77.39792939	39.00107303
CH2334	10.541952	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	45.71	PL21	-77.39424368	39.00322393
CH234	2.761576	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	52.27	PL21	-77.35320626	39.03884958
CH2351	1.120286	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	73.69	PL21	-77.39208352	39.00289937
CH2359	3.613183	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	48.05	PL21	-77.39229855	39.0037325
CH2378	12.268243	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	43.27	PL21	-77.39631458	39.00588334
CH2385	2.264278	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	42.81	PL21	-77.39129608	39.00487103
CH2386	6.614003	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	49.14	PL21	-77.38988476	39.00381694
CH239	0.895597	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	54.63	PL21	-77.3523949	39.03855205
CH2399	1.248658	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	71.58	PL21	-77.38944766	39.00576959
CH24	36.667381	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	65.21	PL21	-77.35774925	39.03338218
CH2414	1.654323	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	62.98	PL21	-77.391112	39.00598594
CH2418	9.897893	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	72.81	PL21	-77.39066638	39.00086033
CH2419	4.605908	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	74.54	PL21	-77.39324716	39.00163908
CH2477	46.277232	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	68.24	PL21	-77.38819851	39.00139512
CH248	2.334622	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	52.52	PL21	-77.35371719	39.03976935
CH2485	27.701529	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	63.36	PL21	-77.3858108	39.00092928
CH249	10.648899	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	49.17	PL21	-77.35225895	39.03989445
CH2511	1.419916	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	62.48	PL21	-77.38559054	39.00346843
CH2515	2.805645	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	85.85	PL21	-77.38557077	39.00478126
CH2517	1.490095	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	55.03	PL21	-77.38484494	39.00453516
CH2531	5.759179	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	63.77	PL21	-77.38261436	39.00388508
CH2569	2.655862	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	67.76	PL21	-77.38789061	39.00511649
CH2645	5.527661	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	62.43	PL21	-77.39122985	38.998144
CH2646	14.557083	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	56.63	PL21	-77.39653729	38.99783724
CH2650	5.421763	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	75.97	PL21	-77.39113266	38.99920931
CH2657	11.394005	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	78.60	PL21	-77.39511804	39.0002959
CH266	4.535720	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	52.73	PL21	-77.35100624	39.04030546
CH269	1.652815	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	55.02	PL21	-77.35242944	39.04091146
CH2696	12.280589	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	78.31	PL21	-77.39449387	38.99955562
CH277	2.166926	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	66.21	PL21	-77.34984241	39.03911579
CH2786	36.144318	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	51.23	PL21	-77.39938694	39.006177
CH284	6.476966	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	68.16	PL21	-77.34896649	39.03879671
CH2874	72.907128	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	69.87	PL21	-77.39332384	38.99493077
CH2875	19.334870	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	76.16	PL21	-77.39512964	38.99691756
CH2959	2.986806	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.91	PL19	-77.41791751	39.00633916
CH2965	8.853655	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.55	PL19	-77.41659877	39.00553515
CH2970	3.209131	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.25	PL19	-77.41579353	39.00418717
CH2975	13.471062	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	62.68	PL19	-77.41440657	39.00252216
CH2980	2.307383	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.89	PL19	-77.41287817	39.00259779
CH2985	3.996330	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.83	PL19	-77.41283919	39.00132873
CH2995	2.730149	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.84	PL19	-77.41244763	39.00005597
CH2999	3.671381	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.72	PL19	-77.4113954	38.99923772
CH3	60.575104	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	16.63	PL21	-77.35090714	39.03100329
CH3003	3.343019	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.93	PL19	-77.41091818	38.99842944
CH301	1.184894	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	76.44	PL21	-77.34876399	39.03793107
CH3016	3.935697	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.81	PL19	-77.41801079	39.00364172
CH3023	6.737882	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	75.25	PL19	-77.41830486	39.00447198

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH3025	2.950398	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.69	PL19	-77.41887377	39.00542757
CH3035	6.334133	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.82	PL19	-77.41772539	39.00294144
CH3038	71.840689	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	43.42	PL19	-77.42094617	38.99754722
CH3052	12.223412	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	48.35	PL19	-77.41678538	39.00189943
CH3055	4.079909	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	90.92	PL19	-77.41536232	39.00130489
CH3064	6.423384	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	60.63	PL19	-77.41529466	39.00045516
CH3071	4.053356	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.65	PL19	-77.41483765	38.99959553
CH3076	7.725149	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.96	PL19	-77.413469	38.99912038
CH3081	2.651960	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	86.29	PL19	-77.41363278	38.99812604
CH3088	5.077523	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.30	PL19	-77.41285853	38.99771473
CH3112	2.595956	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.93	PL19	-77.42073758	39.00432318
CH3122	12.993615	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.25	PL19	-77.42146575	39.00198691
CH3197	11.381789	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	89.54	PL19	-77.41896657	38.99903007
CH3199	2.595380	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.41793672	38.99966336
CH3214	8.169283	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	93.83	PL19	-77.41688526	38.99822642
CH3215	0.826818	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	78.88	PL19	-77.4157251	38.99797428
CH3232	1.533934	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	100.00	PL19	-77.41559761	38.99724958
CH3240	20.225480	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	58.27	PL19	-77.41692042	38.99561006
CH336	4.224808	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	78.33	PL21	-77.34905856	39.04213969
CH3360	59.277381	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	28.63	PL19	-77.40285167	39.00050269
CH3361	2.292564	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.30	PL19	-77.40436905	39.00309475
CH3376	3.954903	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.40638485	39.00118381
CH3412	0.826977	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	64.72	PL18	-77.42639707	38.99550849
CH3414	0.342591	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42688526	38.99509312
CH3418	7.359521	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	64.48	PL18	-77.42674336	38.99576873
CH3439	0.782120	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	98.98	PL18	-77.42423447	38.99377607
CH3440	1.436808	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42427907	38.99414855
CH3442	1.510167	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	91.57	PL18	-77.42444288	38.9946697
CH3447	12.644977	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	72.68	PL18	-77.42429216	38.99461737
CH3449	0.201251	20700080902	No	Chesapeake Bay	Horsepen Run	COM_CHURCH	99.94	PL18	-77.4249947	38.99349625
CH3452	5.672536	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	96.31	PL18	-77.42793905	38.994625
CH3463	3.304079	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42928373	38.99482258
CH3485	1.212975	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42524404	38.99456058
CH3488	0.625912	20700080902	No	Chesapeake Bay	Horsepen Run	COM_CHURCH	82.42	PL18	-77.42508824	38.99305706
CH3500	6.941535	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	45.53	PL18	-77.42392572	38.99221538
CH3521	13.382928	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	66.16	PL18	-77.43142816	38.99344515
CH357	5.036099	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	100.00	PL21	-77.35005563	39.04146584
CH3631	13.847561	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	37.41	PL19	-77.4317977	39.00014987
CH3632	4.984336	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.43368942	39.00055662
CH3711	3.621627	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.67	PL19	-77.42685186	39.00116154
CH3717	29.083944	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	110.20	PL19	-77.42944802	39.00047995
CH3718	8.369406	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	50.91	PL19	-77.42911286	39.00324119
CH3728	3.542564	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	53.37	PL19	-77.42784373	39.00382226
CH3760	2.097729	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	62.32	PL19	-77.42610475	39.00323142
CH3786	13.662628	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.10	PL19	-77.42488384	39.00521465
CH3882	70.942686	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	23.26	PL19	-77.42608696	38.99886061
CH3897	1.146936	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.08	PL19	-77.4235883	39.00414593
CH3900	7.583041	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.42	PL19	-77.42231289	39.00390978
CH3916	2.031196	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	52.16	PL19	-77.42127228	39.00529461
CH3928	3.396313	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	52.97	PL19	-77.4227908	39.0064957
CH3929	17.394121	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	36.17	PL19	-77.42442299	39.00692194
CH4029	5.247696	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	99.51	PL19	-77.43058753	39.01093098
CH4030	2.551547	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	100.00	PL19	-77.42997846	39.01196499
CH4050	3.737241	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	25.59	PL19	-77.42871635	39.01535785
CH4062	3.648326	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	66.50	PL19	-77.4294938	39.01296499
CH4084	0.094385	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	22.42	PL19	-77.42081624	39.00724638
CH4085	8.725895	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	22.42	PL19	-77.4182352	39.00821534
CH4089	0.588996	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	31.63	PL19	-77.41998116	39.00724491
CH4104	4.616609	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	32.00	PL19	-77.41384459	39.00707035
CH4113	105.898198	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.75	PL19	-77.40552888	39.00588343

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH4151	4.896281	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	54.91	PL19	-77.42218441	39.00828464
CH4177	3.288009	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	50.95	PL19	-77.42170107	39.00960631
CH4182	3.101317	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	37.73	PL19	-77.42272229	39.00943695
CH4193	4.008858	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	51.30	PL19	-77.42411223	39.00972155
CH4205	3.888955	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	53.16	PL19	-77.42463255	39.00893562
CH4211	4.830176	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.62	PL19	-77.42542376	39.0081029
CH4214	2.029702	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	32.90	PL19	-77.42721554	39.00975148
CH4252	0.187830	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	23.99	PL19	-77.42887012	39.01148877
CH4275	4.001373	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	18.01	PL19	-77.41244912	38.99715511
CH4286	6.786593	20700080902	No	Chesapeake Bay	Horsepen Run	MISC	39.14	PL18	-77.42794931	38.98867393
CH4293	3.722534	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	62.14	PL19	-77.4268726	39.00690096
CH4308	2.889542	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	100.00	PL19	-77.42811026	39.01451704
CH4315	0.457218	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	93.23	PL19	-77.42865156	39.01333002
CH4317	3.299744	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	99.25	PL19	-77.42751505	39.0124617
CH4335	1.112829	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.42664292	39.01203718
CH4336	0.607965	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.42639999	39.01250353
CH4348	1.936675	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.4267966	39.01319142
CH4351	1.010031	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	99.64	PL19	-77.42815025	39.01201706
CH4353	0.558977	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.4282774	39.01254686
CH4361	5.224652	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	91.19	PL19	-77.42686042	39.0109685
CH438	6.267884	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	47.85	PL21	-77.34790093	39.04260342
CH4383	0.605294	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	50.89	PL19	-77.42658664	39.01014965
CH4393	6.414238	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	36.70	PL19	-77.42808032	39.00884761
CH4394	1.099787	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	56.85	PL19	-77.42636483	39.00792441
CH444	52.963414	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	50.65	PL21	-77.34620318	39.04434118
CH4489	1.270171	20700080902	No	Chesapeake Bay	Horsepen Run			PL18	-77.43090651	38.98762655
CH4517	2.150487	20700080902	No	Chesapeake Bay	Horsepen Run			PL18	-77.4299708	38.98514528
CH4574	5.626584	20700080902	No	Chesapeake Bay	Horsepen Run	VACANT_UNENTITLED	57.83	PL18	-77.42115843	38.9640076
CH4589	7.658425	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	46.02	PL19	-77.41505981	39.0142118
CH4609	11.524047	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	44.87	PL19	-77.41738619	39.01430723
CH462	1.352942	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	51.34	PL21	-77.34997795	39.04396026
CH4620	0.632913	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	64.16	PL19	-77.41591541	39.0152522
CH4624	2.566057	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	40.59	PL19	-77.42021593	39.01421061
CH4647	9.112902	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	45.27	PL19	-77.42056372	39.01286396
CH466	1.516851	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	50.36	PL21	-77.35068493	39.04351001
CH4667	1.663723	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	16.42	PL19	-77.42196936	39.0117309
CH4683	9.258391	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	54.73	PL19	-77.42217824	39.01470934
CH469	0.745989	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	53.00	PL21	-77.35089253	39.0438605
CH4704	14.875845	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	62.48	PL19	-77.42291178	39.01277248
CH4738	4.979565	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.22	PL19	-77.42416841	39.01396132
CH478	18.060197	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	49.74	PL21	-77.35095127	39.04521527
CH4807	11.703085	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	77.08	PL19	-77.41830489	39.01030894
CH4818	3.263480	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	59.94	PL19	-77.41970762	39.01061004
CH4837	8.346624	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	36.73	PL21	-77.38273945	39.05137817
CH4840	0.545376	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	59.11	PL21	-77.38306004	39.0526639
CH4842	2.649029	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	53.32	PL21	-77.38358064	39.052079
CH4855	3.641700	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	62.28	PL21	-77.3844569	39.05197194
CH4856	1.867175	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	60.21	PL21	-77.38538849	39.0524414
CH4864	47.365805	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	33.05	PL21	-77.3851751	39.04894374
CH4868	1.601075	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	61.42	PL21	-77.38664632	39.0524162
CH4874	28.919707	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_MFA	24.99	PL21	-77.3881431	39.04974382
CH492	0.910118	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	29.62	PL21	-77.3524475	39.04380251
CH5013	11.283782	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	59.45	PL20	-77.39419515	39.04884035
CH5044	3.473279	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	54.27	PL20	-77.39551807	39.04964681
CH5052	3.474798	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	4.50	PL20	-77.39794235	39.05117873
CH5143	7.054317	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	78.26	PL20	-77.39390281	39.04637234
CH5161	8.027772	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	75.49	PL20	-77.39261273	39.04553505
CH5181	0.296488	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	32.68	PL20	-77.3979137	39.04890088
CH5184	6.713198	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	57.43	PL20	-77.39628636	39.04790954
CH5203	3.593272	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	68.98	PL20	-77.39923282	39.04818782

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH5215	6.180666	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	66.59	PL20	-77.39646568	39.04898248
CH5257	4.348339	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	100.00	PL21	-77.39229515	39.05328916
CH5258	33.617811	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	46.32	PL21	-77.39066168	39.0490681
CH5272	19.357158	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	44.91	PL20	-77.39250333	39.04913208
CH5282	51.607409	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	63.60	PL20	-77.38835115	39.04417602
CH5289	1.022074	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	68.04	PL20	-77.39106245	39.04301266
CH5323	4.394871	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	67.47	PL20	-77.3914457	39.0420746
CH5329	18.572962	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	83.58	PL20	-77.38789752	39.04110018
CH5442	7.186082	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	41.22	PL20	-77.3960068	39.04135768
CH5448	2.005016	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	0.05	PL20	-77.39222201	39.04391819
CH5453	3.029804	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	29.63	PL20	-77.39489508	39.04296264
CH5476	13.956102	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	44.91	PL20	-77.3981564	39.03708332
CH5491	1.057642	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	14.68	PL20	-77.39856478	39.03902798
CH5507	13.093919	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	56.82	PL20	-77.39429759	39.04089872
CH5523	16.525047	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	32.79	PL20	-77.39343175	39.0383815
CH5590	3.637479	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	46.58	PL20	-77.39445778	39.03606661
CH5595	1.641058	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	51.63	PL20	-77.39500049	39.03689878
CH5597	1.085208	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	59.16	PL20	-77.39562594	39.03738268
CH5605	14.430496	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	35.40	PL20	-77.39573401	39.03881068
CH5612	0.461431	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	67.20	PL20	-77.39765875	39.03916622
CH5624	1.320369	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	68.75	PL20	-77.39678335	39.04009073
CH565	1.436245	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_CHURCH	1.36	PL21	-77.35237353	39.04246095
CH5688	78.819402	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	54.63	PL20	-77.38996539	39.0328082
CH5689	14.486988	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	51.17	PL20	-77.39318768	39.03362139
CH5704	0.707215	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	53.19	PL20	-77.39406816	39.03549481
CH5708	37.478560	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	49.26	PL20	-77.39632494	39.03441117
CH5744	1.772374	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	53.78	PL20	-77.39034199	39.03615623
CH5757	2.990550	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	77.22	PL20	-77.39270317	39.03718697
CH5829	0.827084	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	87.63	PL20	-77.39492924	39.0440775
CH5836	1.996092	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	77.85	PL20	-77.39595727	39.0435513
CH5843	9.628322	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_MFA	62.30	PL20	-77.39713608	39.04239484
CH5861	8.170024	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	72.22	PL20	-77.39737183	39.04442717
CH5894	13.943344	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	80.46	PL20	-77.39960008	39.0446037
CH5916	1.335106	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	72.52	PL20	-77.40123749	39.04396728
CH5926	5.215357	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	74.12	PL20	-77.3996167	39.04276841
CH5950	12.243039	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	37.34	PL20	-77.39891587	39.0415814
CH5959	4.336092	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	91.93	PL20	-77.39870373	39.03984578
CH5961	3.260108	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	58.87	PL20	-77.40182068	39.04071513
CH5975	9.507087	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	62.77	PL20	-77.4023316	39.03956832
CH6012	10.285811	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	51.64	PL20	-77.40101857	39.03787167
CH6014	0.891806	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	59.91	PL20	-77.40075449	39.03940551
CH6023	0.902079	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	38.20	PL20	-77.39971158	39.03843878
CH6047	3.956225	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	34.15	PL20	-77.40455806	39.0378978
CH6052	10.420832	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	40.00	PL20	-77.40306482	39.0378641
CH6126	5.682081	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	53.44	PL20	-77.40476674	39.03646312
CH6128	1.393915	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	99.35	PL20	-77.40308151	39.0350595
CH6138	6.084708	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	64.44	PL20	-77.40281833	39.03590496
CH6139	0.112814	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	98.84	PL20	-77.40463795	39.03548433
CH6142	6.772042	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	77.94	PL20	-77.40163173	39.03550391
CH617	4.330787	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	61.24	PL21	-77.34374457	39.04713125
CH6170	4.058468	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	99.36	PL20	-77.40441497	39.03286621
CH6179	3.679345	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	51.65	PL20	-77.40568679	39.03372766
CH62	2.199448	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	68.96	PL21	-77.35776515	39.03145729
CH6203	1.122124	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	87.42	PL20	-77.40135168	39.03426211
CH6223	5.504897	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	26.60	PL20	-77.40552786	39.03478951
CH6225	1.271887	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	15.67	PL20	-77.40527963	39.03549749
CH6256	5.496803	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	99.52	PL20	-77.40855043	39.03511804
CH6260	0.664400	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	38.65	PL20	-77.40697698	39.03538997
CH6272	2.680797	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	100.00	PL20	-77.40736977	39.03505723
CH634	16.053247	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	70.24	PL21	-77.34690282	39.04784635

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH6360	0.289017	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	98.69	PL20	-77.39852621	39.03221614
CH6361	15.775822	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	82.35	PL20	-77.39772267	39.03326173
CH6399	5.822451	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_MFST	21.22	PL20	-77.39554665	39.03093621
CH6400	0.298901	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_HOTEL	66.54	PL20	-77.39701638	39.02997049
CH6411	0.999244	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	100.00	PL20	-77.40016005	39.03405934
CH6414	0.873631	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	100.00	PL20	-77.40031684	39.03350772
CH6419	1.442971	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	99.94	PL20	-77.39943061	39.03327289
CH6431	1.339139	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	62.01	PL20	-77.3977286	39.03196142
CH6432	6.104099	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	49.75	PL20	-77.39704415	39.03108076
CH6547	1.673259	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	70.80	PL20	-77.39553807	39.03027526
CH6550	0.927045	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_MFST	52.13	PL20	-77.39507762	39.0302314
CH6570	78.538236	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	VACANT_ENTITLED	19.39	PL20	-77.39596254	39.02493736
CH6571	0.813226	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_HOTEL	100.00	PL20	-77.3974515	39.02912634
CH6576	0.476789	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_HOTEL	68.37	PL20	-77.39835563	39.02954346
CH6578	2.102920	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_HOTEL	79.66	PL20	-77.39786506	39.02967855
CH6581	4.489751	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.39464836	39.02814124
CH6582	0.718342	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_MFST	88.38	PL20	-77.39480553	39.03008009
CH659	9.350142	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	77.25	PL21	-77.34483924	39.04828837
CH6606	0.932912	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.39409459	39.02868146
CH6607	6.743927	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.39198463	39.02946334
CH6610	1.356462	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.39346579	39.02811011
CH6613	0.888744	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.39274445	39.02821382
CH6625	0.952968	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.39276835	39.02661792
CH6626	1.201206	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	84.10	PL20	-77.39108904	39.02733075
CH6637	8.779892	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	59.53	PL20	-77.3900413	39.0277212
CH6652	2.958557	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	37.79	PL19	-77.43823057	39.04879971
CH6653	0.981843	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	55.36	PL19	-77.43818859	39.04806252
CH6677	2.176122	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	73.93	PL19	-77.44134038	39.0479622
CH6679	2.483930	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	100.00	PL19	-77.44083622	39.04758259
CH668	4.819798	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	69.43	PL21	-77.34350487	39.04917728
CH6682	14.582170	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	43.08	PL19	-77.43897681	39.04911593
CH6690	6.892522	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	20.90	PL19	-77.43995072	39.0503766
CH6693	1.269931	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	20.89	PL19	-77.45981628	39.05985137
CH6710	5.892997	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	63.71	PL19	-77.46136256	39.05850554
CH6716	4.746637	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	91.35	PL19	-77.46290598	39.06114993
CH6724	2.120783	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	18.18	PL19	-77.45099267	39.05081948
CH6738	1.403014	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	16.07	PL19	-77.44866718	39.0279271
CH6756	0.748730	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	61.86	PL19	-77.46526911	39.05734642
CH6761	1.146675	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	17.26	PL19	-77.46331968	39.0574453
CH6801	5.094549	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	88.73	PL19	-77.46439555	39.06095079
CH6808	2.883342	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	90.94	PL19	-77.46421481	39.05967865
CH6809	1.885734	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	98.90	PL19	-77.46385284	39.0581484
CH6819	2.442454	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	85.03	PL19	-77.46349497	39.0590261
CH682	4.292030	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	66.01	PL21	-77.34728975	39.04970029
CH6830	3.267441	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	71.30	PL19	-77.4631604	39.05798843
CH6833	6.097636	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	99.91	PL19	-77.46741053	39.05872097
CH6835	6.410309	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	98.52	PL19	-77.46836029	39.05945745
CH6837	6.768370	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	89.51	PL19	-77.46842874	39.06028022
CH6854	5.724741	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	8.19	PL19	-77.47157624	39.06312616
CH6867	3.939292	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	59.49	PL19	-77.47492593	39.06131453
CH687	2.013218	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	73.22	PL21	-77.34526669	39.05036759
CH6880	2.209349	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	27.12	PL19	-77.47757884	39.05985675
CH6890	0.462306	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	16.06	PL19	-77.47740789	39.0585554
CH6891	15.532916	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	63.70	PL19	-77.47921368	39.05953403
CH6930	4.656723	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	5.02	PL19	-77.47565037	39.05391687
CH6944	7.964397	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	43.54	PL19	-77.47641403	39.05070912
CH6952	5.884068	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	49.53	PL19	-77.47471338	39.05046055
CH6968	0.576512	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	67.80	PL19	-77.47173813	39.04924585
CH6972	1.528058	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	33.92	PL19	-77.47164116	39.04825333
CH6973	11.729666	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	23.72	PL19	-77.47101789	39.04700108

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH7073	46.468913	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	38.43	PL19	-77.48433704	39.04913973
CH7093	9.791190	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	45.33	PL19	-77.48203026	39.046707
CH7094	9.527916	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	59.00	PL19	-77.48137197	39.04533991
CH7208	20.162711	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	35.90	PL19	-77.46858888	39.03546219
CH7235	1.713381	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	62.68	PL19	-77.46522832	39.03489461
CH7236	1.571656	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	14.90	PL19	-77.46468769	39.03451674
CH7237	0.430656	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	77.19	PL19	-77.46334785	39.0343318
CH7241	1.607399	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	21.10	PL19	-77.46198657	39.03446687
CH7257	9.185763	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	71.16	PL19	-77.4606309	39.03510363
CH7319	7.168280	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	51.26	PL19	-77.47967005	39.06131625
CH7321	6.910037	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	97.55	PL19	-77.48005836	39.06251367
CH7336	1.856776	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	63.28	PL19	-77.47971057	39.0584739
CH7343	3.882334	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	43.17	PL19	-77.47811465	39.05734152
CH7344	1.177302	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	57.34	PL19	-77.47917991	39.05643425
CH7345	0.343012	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	91.82	PL19	-77.47831292	39.05642902
CH7359	3.248814	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	42.66	PL19	-77.47737973	39.05638696
CH7366	21.618365	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	49.55	PL19	-77.48181052	39.05650555
CH7386	7.340425	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.02	PL19	-77.47921753	39.05522872
CH7387	4.137365	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	58.47	PL19	-77.47645693	39.05527121
CH7412	0.799193	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	99.51	PL19	-77.47691383	39.05082697
CH7422	3.101417	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	43.36	PL19	-77.4787516	39.05046056
CH7423	1.102399	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	58.84	PL19	-77.47923078	39.05082124
CH7438	0.563934	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	70.23	PL19	-77.48020959	39.05087539
CH7440	3.941037	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	63.36	PL19	-77.48180703	39.05086966
CH7453	1.682471	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	42.34	PL19	-77.48153798	39.05014558
CH7455	1.603102	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.98	PL19	-77.48084149	39.04998924
CH7459	1.792939	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.29	PL19	-77.4788316	39.04956522
CH7464	1.494280	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	45.64	PL19	-77.48003787	39.05007484
CH7466	1.575444	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.63	PL19	-77.48048429	39.04871153
CH7480	3.870745	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	61.35	PL19	-77.47919869	39.04821436
CH7483	4.288624	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.40	PL19	-77.47872171	39.04750939
CH7496	4.816542	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.60	PL19	-77.47884169	39.04703441
CH7501	1.620458	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	63.90	PL19	-77.47733927	39.04939354
CH7507	2.718264	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	46.77	PL19	-77.47622171	39.04909899
CH7509	1.503395	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.46	PL19	-77.47593076	39.04845147
CH7511	2.713613	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	61.17	PL19	-77.47515686	39.04931004
CH7517	2.255417	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	50.47	PL19	-77.47424868	39.04879142
CH7519	0.897984	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	45.84	PL19	-77.4738718	39.04923485
CH7535	11.448771	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	49.76	PL19	-77.4840302	39.05201163
CH7569	29.572205	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	37.60	PL19	-77.48272632	39.05332542
CH7578	21.603939	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	42.81	PL19	-77.48163661	39.05454883
CH7638	6.343214	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	99.21	PL19	-77.47902824	39.06775913
CH7658	6.046851	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	99.88	PL19	-77.47970459	39.06678371
CH7661	1.788547	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	34.21	PL19	-77.48045669	39.06709614
CH7711	1.089623	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	100.00	PL19	-77.47317199	39.04572308
CH7715	2.381431	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	99.90	PL19	-77.47388763	39.04611539
CH7721	8.815197	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	47.21	PL19	-77.47559726	39.04546165
CH7723	3.146793	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	64.47	PL19	-77.47696352	39.045797
CH7724	5.274108	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	57.15	PL19	-77.47816663	39.04554788
CH7737	1.216765	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	26.08	PL19	-77.47362866	39.04511291
CH78	6.881197	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	42.87	PL21	-77.35065514	39.03563092
CH786	0.630265	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	43.59	PL21	-77.34444927	39.05074571
CH791	0.642483	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	60.21	PL21	-77.3431835	39.05048739
CH7942	0.878219	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.61	PL19	-77.48133072	39.04119883
CH8037	6.066011	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	40.02	PL19	-77.47601253	39.05698189
CH8042	2.775532	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	53.12	PL19	-77.47594366	39.05771131
CH8045	1.735035	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	55.27	PL19	-77.47668159	39.05810073
CH8070	3.864892	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.73	PL19	-77.47390275	39.05611729
CH8075	0.975558	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	58.58	PL19	-77.47214173	39.05509222
CH8078	2.365814	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	53.46	PL19	-77.47212344	39.05445247

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH8082	1.682103	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	62.11	PL19	-77.47098787	39.05318845
CH8089	2.659365	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.64	PL19	-77.47159681	39.05195981
CH8095	15.126211	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	57.00	PL19	-77.47344499	39.05417443
CH8099	1.087746	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	62.02	PL19	-77.47330795	39.05235827
CH8105	2.047427	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	56.85	PL19	-77.47459281	39.05328986
CH8111	2.748119	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	47.54	PL19	-77.47510503	39.05404243
CH8127	0.731712	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	98.52	PL19	-77.47676839	39.05956158
CH8129	0.639814	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	99.69	PL19	-77.4767441	39.05912265
CH8143	0.320406	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	92.21	PL19	-77.47815793	39.05173599
CH8144	8.810895	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	66.67	PL19	-77.47758704	39.05261358
CH8179	2.347222	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	49.55	PL19	-77.47341045	39.05080984
CH8183	1.929734	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	53.65	PL19	-77.47286394	39.05058147
CH8184	2.430251	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.11	PL19	-77.47242318	39.05017219
CH8193	0.957071	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	52.03	PL19	-77.47162845	39.04998407
CH8197	1.925408	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	51.24	PL19	-77.47113713	39.04949898
CH8208	5.406134	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	59.15	PL19	-77.46937551	39.04782161
CH8232	10.698655	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	55.08	PL19	-77.46934387	39.04580687
CH8233	40.882484	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	28.79	PL19	-77.47230545	39.04404811
CH8273	1.888149	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.03	PL19	-77.46765631	39.04377217
CH828	23.484158	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	51.70	PL21	-77.34063314	39.05327786
CH8325	17.474386	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.44	PL19	-77.46754081	39.04195556
CH8355	15.422508	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.00	PL19	-77.46742008	39.03985499
CH8360	92.665153	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	22.95	PL19	-77.47271332	39.04026627
CH8368	3.437170	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	61.46	PL19	-77.46734023	39.03851421
CH8458	4.673265	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	45.20	PL19	-77.46826765	39.03679433
CH8459	0.201128	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	52.70	PL19	-77.46767849	39.0373909
CH8476	10.926754	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	63.83	PL19	-77.46561908	39.03591792
CH8484	2.847313	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	61.62	PL19	-77.46509873	39.03678537
CH8490	0.943111	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	53.70	PL19	-77.46630037	39.03689553
CH8520	2.105568	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	22.33	PL19	-77.4614584	39.03923978
CH8530	3.069691	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	37.67	PL19	-77.46177262	39.03641042
CH8531	1.057674	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	73.33	PL19	-77.46178729	39.03551072
CH8539	0.530170	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	60.48	PL19	-77.46261065	39.03646271
CH8547	9.818921	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	54.87	PL19	-77.46213884	39.03801435
CH855	10.410366	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	22.06	PL21	-77.33498333	39.05047064
CH8574	3.241447	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	92.94	PL19	-77.46360529	39.03377063
CH8600	2.531557	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	88.32	PL19	-77.46482619	39.03347729
CH8602	2.603955	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	99.98	PL19	-77.46336863	39.03306826
CH8608	2.399790	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	98.88	PL19	-77.46595161	39.03382174
CH8615	1.353093	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.46675909	39.03361726
CH8617	4.575729	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.17	PL19	-77.46982262	39.03489823
CH8644	8.075668	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	54.12	PL19	-77.46984973	39.03433164
CH8645	12.276045	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	68.44	PL19	-77.4719875	39.03571644
CH8720	1.727180	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.44475609	39.02698041
CH8722	1.214501	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.44548004	39.02725638
CH8726	1.732246	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.44448133	39.02649877
CH8728	0.184073	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.44420349	39.02615286
CH8732	8.239996	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.44306474	39.02610075
CH8735	1.666180	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	94.38	PL19	-77.44422093	39.0275705
CH8749	2.072749	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	59.86	PL19	-77.44823646	39.02319171
CH8750	6.018884	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	30.85	PL19	-77.44819387	39.0252134
CH8755	4.470777	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	76.64	PL19	-77.44817004	39.0225425
CH8757	2.529664	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	72.87	PL19	-77.44798973	39.02192279
CH8763	1.512152	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	15.72	PL19	-77.44793455	39.0204898
CH8764	0.299504	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	5.21	PL19	-77.44716892	39.02138557
CH8766	0.969984	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	2.59	PL19	-77.44765673	39.02038092
CH8795	4.839449	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	93.78	PL19	-77.43355316	39.02007387
CH8810	0.544280	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	48.88	PL19	-77.43525482	39.02075646
CH8820	15.661900	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	59.53	PL19	-77.43520321	39.02143903
CH8835	2.193855	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	94.48	PL19	-77.43575835	39.02259187

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH8837	2.865748	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	58.14	PL19	-77.43449758	39.02232795
CH8838	10.194054	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	58.90	PL19	-77.43313831	39.02288565
CH8841	0.638007	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	23.94	PL19	-77.43636907	39.02260084
CH8844	3.505314	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	91.07	PL19	-77.45686184	39.02626892
CH8856	5.498888	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	3.95	PL19	-77.43316337	39.01346923
CH8868	2.525953	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	9.98	PL19	-77.43277826	39.01304898
CH8873	23.105656	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	63.80	PL45	-77.49214666	38.90228034
CH8883	35.963466	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	67.76	PL45	-77.49452248	38.90388107
CH8925	1.771925	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	66.94	PL45	-77.49621613	38.90169368
CH8954	4.455575	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	68.28	PL45	-77.49751665	38.90366373
CH8957	1.679921	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	61.41	PL45	-77.49928028	38.90282288
CH8964	1.598582	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	80.29	PL45	-77.49915454	38.90237513
CH8972	1.593303	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	59.10	PL45	-77.49884476	38.90186546
CH898	2.693484	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	64.89	PL21	-77.33914029	39.0517561
CH9016	8.050201	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	72.04	PL45	-77.50536637	38.900921
CH9020	0.686751	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	MULTI_USE	17.93	PL45	-77.50778796	38.90080514
CH9023	0.502137	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	MULTI_USE	0.19	PL45	-77.50667091	38.90017604
CH9081	45.539000	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	57.98	PL45	-77.50188245	38.90137219
CH9082	0.904816	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	81.40	PL45	-77.50572203	38.90001048
CH91	0.995582	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	75.65	PL21	-77.35026096	39.03679438
CH9108	1.855534	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	26.38	PL45	-77.49820038	38.9013461
CH9117	0.805057	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	53.14	PL45	-77.49776981	38.90045612
CH912	5.553111	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	50.11	PL21	-77.33661838	39.04938094
CH9120	2.793801	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	77.02	PL45	-77.49852827	38.90051812
CH9122	2.017899	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	57.99	PL45	-77.49834243	38.89967338
CH9135	0.680374	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	52.81	PL45	-77.49777554	38.8984039
CH9139	3.106812	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	54.27	PL45	-77.49827541	38.89835789
CH9149	3.494693	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	65.62	PL45	-77.49786611	38.89706611
CH9152	1.969010	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	82.88	PL45	-77.49788131	38.89638111
CH9154	3.496547	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	50.85	PL45	-77.49770988	38.89563216
CH9188	4.298194	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	48.34	PL45	-77.49766451	38.89452474
CH9197	2.390415	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	38.12	PL45	-77.49769214	38.89357243
CH9220	9.647476	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	79.71	PL45	-77.4977898	38.89189029
CH9241	4.820236	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	75.62	PL45	-77.49721438	38.8899696
CH9242	6.131177	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	65.54	PL45	-77.49817127	38.88936023
CH9286	7.128160	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	71.23	PL45	-77.499776	38.88957742
CH9288	7.454713	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	77.59	PL45	-77.49930432	38.89116625
CH9315	9.060524	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	78.73	PL45	-77.50003233	38.89220207
CH9341	10.689602	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	30.76	PL45	-77.49954141	38.89416013
CH9377	15.459160	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	29.21	PL45	-77.49968825	38.8965312
CH9424	16.892696	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	51.93	PL45	-77.50063175	38.8987861
CH943	1.680599	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	74.91	PL21	-77.33921692	39.04771232
CH9466	4.387122	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	77.64	PL45	-77.50235176	38.89366835
CH9494	1.731943	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	62.23	PL45	-77.50250065	38.89101665
CH9508	8.462217	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	72.30	PL45	-77.50392626	38.89289827
CH9518	8.292362	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	73.07	PL45	-77.50432636	38.89542802
CH954	8.710426	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	4.23	PL21	-77.33811207	39.04618777
CH9541	10.422881	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	59.45	PL45	-77.50477969	38.89778735
CH9563	1.638714	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	60.47	PL45	-77.49042995	38.90983006
CH9568	36.262737	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	44.79	PL45	-77.49301584	38.90915829
CH9573	0.636922	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	0.09	PL45	-77.48944177	38.90920669
CH9576	0.645906	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_NON_PUBLIC	0.30	PL45	-77.49016896	38.90700161
CH9608	20.728079	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	55.93	PL45	-77.49276469	38.90634869
CH961	6.787109	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	9.34	PL21	-77.33944609	39.04546563
CH9613	2.386161	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	73.05	PL45	-77.48849018	38.90621769
CH9622	3.016224	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	68.93	PL45	-77.48588689	38.9071429
CH9676	78.936195	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	42.31	PL45	-77.51675823	38.89977071
CH9704	4.649132	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	61.47	PL45	-77.51155125	38.89992687
CH9709	11.137680	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	73.41	PL45	-77.51240068	38.90123769
CH9710	0.321750	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	32.82	PL45	-77.51060775	38.90163433

**Loudoun County Virginia
Regulated MS4 Outfall Table**

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CH972	2.298654	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	HOA	33.86	PL21	-77.37086249	39.04708435
CH9781	15.935475	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	67.34	PL14	-77.52484262	39.01862167
CH9814	8.148640	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	68.96	PL14	-77.52638626	39.02218431
CH982	13.803534	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	75.43	PL21	-77.36964263	39.04804337
CH9852	27.882521	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	40.32	PL19	-77.52365302	39.02060738
CH9853	5.258543	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	59.10	PL19	-77.51919234	39.01817203
CH986	1.068049	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	77.42	PL21	-77.36827591	39.04721786
CH9861	17.146422	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	70.90	PL14	-77.52216534	39.01724563
CH9893	3.852676	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	55.87	PL19	-77.51954448	39.02103715
CH9894	0.730748	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	44.19	PL19	-77.51965735	39.01904427
CH991	2.399687	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	84.07	PL21	-77.3685201	39.04667406
CH9919	5.612480	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	59.83	PL19	-77.52060731	39.02298964
CH9920	14.611406	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	48.46	PL19	-77.52272737	39.02396258
CH9944	12.505338	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	62.21	PL19	-77.52141336	39.02558915
CH9964	5.655023	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.93	PL19	-77.51881258	39.02752129
CH9966	0.284015	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.09	PL19	-77.51757804	39.02952261
CH9971	2.669879	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	87.86	PL19	-77.51839362	39.03030349
CH9996	1.340504	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	0.56	PL19	-77.51439729	39.0299408
CP10001	4.900002	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	99.82	PL19	-77.45682373	39.05794441
CP10022	0.600814	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	42.43	PL19	-77.46005305	39.05791336
CP1010	0.327814	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run			PL17	-77.56200515	38.93622531
CP10114	4.491848	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	53.55	PL19	-77.45541256	39.05045353
CP10155	5.639402	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	56.41	PL19	-77.49037371	39.04987187
CP10179	0.339123	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	98.25	PL19	-77.49239462	39.05042508
CP10180	1.642484	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.54	PL19	-77.49073874	39.05060822
CP10188	0.861841	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	59.16	PL19	-77.49328901	39.04972295
CP10192	0.317192	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.30	PL19	-77.49332865	39.04812696
CP10193	1.119085	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	69.64	PL19	-77.49379197	39.04839139
CP10196	0.607411	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	69.88	PL19	-77.49362773	39.04935503
CP10203	6.321176	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	100.00	PL19	-77.41660452	39.0275008
CP10229	5.410395	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	100.00	PL19	-77.41642208	39.02878553
CP10278	6.858422	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.52	PL19	-77.50199061	39.029948
CP10288	3.594256	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	66.22	PL19	-77.50240467	39.0538557
CP10291	8.271206	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	92.10	PL19	-77.50215424	39.05471265
CP10334	7.528922	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	98.81	PL19	-77.50351574	39.05728966
CP10338	4.350078	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.50254759	39.05585404
CP10400	1.163817	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	100.00	PL18	-77.41330312	38.97405856
CP1042	14.695890	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	54.83	PL17	-77.5559027	38.93382283
CP1044	2.768815	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	0.04	PL17	-77.56014144	38.93556067
CP10485	34.173415	20700080602	Yes	Goose Creek (Benthic), Chesapeake Bay	North Fork Goose Creek	RES_SFD	78.13	PL12	-77.66844456	39.13058814
CP1058	3.587718	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_UNENTITLED	37.86	PL45	-77.52878369	38.93252243
CP1061	1.684765	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OFFICE_MEDICAL	95.72	PL45	-77.52962717	38.93168372
CP1065	5.046515	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_CHURCH	78.48	PL45	-77.53051351	38.93145713
CP1068	0.318138	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_UNENTITLED	16.94	PL45	-77.52875084	38.93145194
CP10731	13.320789	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	52.28	PL18	-77.41188113	38.97377117
CP1084	0.296483	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OFFICE_MEDICAL	94.26	PL45	-77.52959448	38.93251325
CP1154	7.647629	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_LIGHT_IND_FLEX	55.00	PL45	-77.46994071	38.91661124
CP1174	2.951689	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	96.05	PL45	-77.46923371	38.91711377
CP1193	0.421061	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_LIGHT_IND_FLEX	58.57	PL45	-77.4712717	38.91714213
CP1278	3.455643	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	42.50	PL17	-77.51070586	38.98381455
CP1280	1.527272	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run			PL17	-77.50841725	38.98406329
CP1284	1.144271	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	38.54	PL17	-77.50766533	38.9847232
CP1299	3.207452	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	36.97	PL17	-77.50685468	38.98566743
CP1325	0.765089	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	100.00	PL17	-77.48395996	38.99558977
CP1326	3.624035	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	71.61	PL17	-77.48428988	38.99636706
CP1359	1.345194	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_HOTEL	52.44	PL17	-77.482639	38.99776661
CP1370	3.706073	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_HOTEL	99.98	PL17	-77.48189218	38.99705753
CP1372	0.381318	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	99.94	PL17	-77.48234947	38.99614518
CP1374	0.216878	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	79.08	PL17	-77.48248727	38.99643556
CP1380	2.215575	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	MULTI_USE	65.04	PL17	-77.48146101	38.99641115

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CP1391	2.289892	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	0.03	PL19	-77.47512922	39.00249354
CP1408	4.299772	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	4.76	PL19	-77.47393113	39.00519992
CP1410	1.675489	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	7.51	PL19	-77.47207446	39.00735944
CP1416	5.087801	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	31.03	PL19	-77.46967348	39.00881053
CP1435	2.495658	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	0.86	PL19	-77.46574085	39.00901744
CP1440	3.299148	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	5.67	PL19	-77.4624506	39.00883479
CP1466	0.269847	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	0.07	PL19	-77.457054	39.010782
CP1468	3.733232	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	5.04	PL19	-77.45869323	39.00958812
CP1478	2.556844	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	100.00	PL19	-77.48282416	39.00280921
CP1481	5.510119	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	100.00	PL19	-77.4817656	39.0025011
CP1509	55.293707	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	25.29	PL19	-77.48756258	39.00695361
CP1511	3.756151	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	100.00	PL19	-77.48425723	39.00412937
CP1512	1.016032	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	0.02	PL19	-77.48374154	39.00518703
CP1556	12.484834	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	59.86	PL19	-77.45793824	39.00251995
CP1633	2.534554	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	37.39	PL17	-77.53217062	38.97368813
CP164	3.367930	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	35.73	PL42	-77.56728361	38.92123124
CP165	0.878747	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	63.32	PL42	-77.5657017	38.92034876
CP1653	7.557987	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	PUBLIC	36.17	PL14	-77.52751636	38.99364314
CP1667	10.844201	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFA	33.60	PL14	-77.52678987	38.99490192
CP1668	2.141737	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFA	51.94	PL14	-77.52583169	38.99579442
CP172	12.864262	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	57.86	PL42	-77.56681258	38.92250371
CP1728	3.402022	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	PUBLIC	72.73	PL14	-77.52950314	38.99794305
CP1798	4.634708	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	92.53	PL14	-77.5288565	38.99489338
CP1807	3.145197	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	100.00	PL14	-77.53047591	38.99329346
CP1808	5.565428	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	100.00	PL14	-77.5313969	38.99285234
CP1824	16.970624	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	90.41	PL14	-77.53073678	38.99211686
CP1857	1.303014	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	89.43	PL14	-77.52864766	38.99367065
CP1861	0.303911	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	100.00	PL14	-77.52936391	38.99353209
CP1863	0.838391	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	89.28	PL14	-77.52857566	38.9930994
CP1875	2.907616	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	62.10	PL14	-77.53275447	38.99394062
CP1894	9.782729	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	88.93	PL14	-77.53389481	38.99213379
CP1895	23.539957	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_MFA	35.10	PL14	-77.53333541	38.99002158
CP1910	2.551154	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	96.30	PL19	-77.50802411	39.00826488
CP1956	2.216171	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	98.44	PL19	-77.50257982	39.00864433
CP1960	1.906406	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.50402846	39.00862618
CP1961	0.914306	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	97.06	PL19	-77.50518676	39.00847727
CP1962	3.233545	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	40.73	PL19	-77.50675864	39.00810755
CP1963	1.495308	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	97.34	PL19	-77.50688053	39.00844375
CP1967	0.291023	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.44	PL19	-77.50221566	39.00947777
CP1970	0.353648	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	1.64	PL19	-77.50250393	39.01037904
CP1972	9.869644	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	85.01	PL19	-77.50345407	39.01201435
CP1985	0.802255	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.10	PL19	-77.50644654	39.01306576
CP1990	0.241546	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.76	PL19	-77.50228834	39.00991923
CP2054	4.048839	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	91.04	PL19	-77.46489728	39.01596695
CP2083	9.347454	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	50.19	PL17	-77.49230191	39.00787722
CP2101	30.250266	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	50.08	PL19	-77.48311355	39.01523524
CP2150	1.972106	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	99.56	PL19	-77.43702617	39.0224831
CP2204	1.168693	20700080902	No	Chesapeake Bay	Horsepen Run	HOA	34.89	PL18	-77.42886188	38.99131497
CP2209	3.273557	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	52.19	PL18	-77.42958577	38.99179809
CP2221	4.602539	20700080902	No	Chesapeake Bay	Horsepen Run	VACANT_UNENTITLED	64.69	PL18	-77.43029772	38.99203436
CP2224	0.792358	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42798735	38.99138529
CP2225	0.306043	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42773016	38.99115304
CP2227	1.224086	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42731368	38.99151419
CP2229	0.951020	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.4268132	38.99170922
CP2232	0.378069	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42662744	38.99218225
CP2247	7.835560	20700080902	No	Chesapeake Bay	Horsepen Run	VACANT_UNENTITLED	63.94	PL18	-77.4280016	38.99243148
CP2250	0.443634	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	13.33	PL18	-77.42835149	38.99062811
CP230	10.159900	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	58.84	PL42	-77.5611201	38.92322194
CP2356	59.878164	20700080902	No	Chesapeake Bay	Horsepen Run	RES_SFA	17.77	PL18	-77.40725246	38.97874573
CP2358	0.148407	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	100.00	PL19	-77.43060264	39.01534676

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CP2366	9.207935	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	93.80	PL19	-77.43207078	39.01239409
CP2381	4.771586	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	56.54	PL19	-77.43128487	39.01508893
CP2386	12.216180	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	62.26	PL19	-77.43064928	39.01340069
CP2420	1.412228	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	84.08	PL19	-77.48735088	39.03995985
CP2431	1.041600	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	99.91	PL19	-77.51633561	39.03171395
CP2438	2.471432	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	99.61	PL19	-77.51741791	39.03188156
CP2445	5.871871	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	65.27	PL19	-77.51804181	39.03304188
CP2449	4.547708	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	99.86	PL19	-77.51787972	39.03405929
CP2472	1.571567	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	100.00	PL19	-77.48706444	39.03898425
CP2477	0.416797	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	54.92	PL19	-77.52038321	39.03189446
CP2481	14.774228	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	35.50	PL19	-77.52214174	39.03056184
CP250	3.383114	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	54.31	PL42	-77.56368473	38.92220646
CP251	3.898324	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	61.52	PL42	-77.56399783	38.9232636
CP2538	3.011622	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	52.57	PL19	-77.46547712	39.05192225
CP2562	3.534685	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.05	PL19	-77.46608762	39.05259254
CP2567	4.781689	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	60.85	PL19	-77.4643439	39.05095464
CP2582	1.566890	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	63.06	PL19	-77.46311989	39.05061351
CP2592	2.286643	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	63.35	PL19	-77.46369257	39.05158499
CP2593	2.777311	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	58.63	PL19	-77.46423669	39.0525354
CP2617	11.542874	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	28.25	PL19	-77.45204526	39.04398191
CP262	3.179488	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	47.50	PL42	-77.5713388	38.92333134
CP2659	0.987166	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	18.05	PL19	-77.45809378	39.04295382
CP2668	4.974225	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	46.35	PL19	-77.45978833	39.04213619
CP2785	33.508718	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	46.30	PL19	-77.45160253	39.06252325
CP2832	4.395592	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	66.24	PL19	-77.45317384	39.05977458
CP2883	7.937284	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	47.67	PL19	-77.45182702	39.05907648
CP2886	0.504877	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	100.00	PL19	-77.45109036	39.05775078
CP2895	6.979541	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	26.56	PL19	-77.4504443	39.05890473
CP2915	1.315451	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	0.16	PL19	-77.45306283	39.05768037
CP2945	0.639491	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	0.75	PL19	-77.45145351	39.0573327
CP3038	3.501284	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_HOTEL	59.66	PL19	-77.42625628	39.01836303
CP331	14.578287	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	63.04	PL42	-77.56509922	38.91841147
CP358	1.404283	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	60.27	PL42	-77.5603943	38.91091678
CP362	0.660883	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFA	52.75	PL42	-77.56087703	38.91098776
CP373	3.116221	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	45.56	PL45	-77.54270258	38.92413664
CP374	5.704983	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.62	PL45	-77.5425721	38.92481514
CP394	2.918176	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	63.89	PL45	-77.54230404	38.92372016
CP398	0.290102	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	35.86	PL45	-77.5428667	38.9255041
CP402	0.953940	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	61.60	PL45	-77.54259848	38.92619363
CP408	0.781963	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	32.97	PL45	-77.54282278	38.92684244
CP419	1.372118	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	59.46	PL45	-77.54171613	38.92633275
CP429	0.715180	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	56.26	PL45	-77.54072015	38.92588627
CP438	0.992222	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	44.54	PL45	-77.54058317	38.92637443
CP4507	2.138468	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.93	PL19	-77.48367039	39.04072217
CP4508	73.996571	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	38.64	PL19	-77.48526316	39.04421048
CP4515	1.317264	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.96	PL19	-77.48552578	39.04097788
CP4516	6.996806	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.97	PL19	-77.48641717	39.04052923
CP4563	43.745109	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	53.64	PL42	-77.56674607	38.91625643
CP4649	17.720331	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.89	PL45	-77.53332007	38.91890376
CP4685	1.177994	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	58.67	PL45	-77.53564765	38.91040907
CP4694	0.922653	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	62.55	PL45	-77.53601959	38.90991997
CP4695	0.852572	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	60.12	PL45	-77.53638975	38.90963723
CP470	3.538244	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	21.15	PL45	-77.54114092	38.92630704
CP4701	0.359112	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	52.57	PL45	-77.53704854	38.90950764
CP4708	8.937442	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	46.87	PL45	-77.53913304	38.90920398
CP4709	8.725999	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	55.29	PL45	-77.5387389	38.91147547
CP4723	14.268814	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	55.40	PL45	-77.54077949	38.90807684
CP4738	0.325484	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	2.99	PL45	-77.53887555	38.90714743
CP476	6.613148	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	91.46	PL45	-77.54476621	38.92507937
CP4876	2.022718	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	5.35	PL42	-77.55330655	38.91389374

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CP5848	44.510513	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	50.37	PL17	-77.51113242	38.97546568
CP6073	4.583002	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	27.18	PL19	-77.52509951	39.0336911
CP6080	4.585159	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	20.99	PL19	-77.526475	39.03122316
CP6110	3.852977	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	MULTI_USE	35.35	PL45	-77.53360794	38.93566725
CP616	1.874807	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	58.82	PL45	-77.54111112	38.91119697
CP6320	4.910197	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	37.55	PL17	-77.5531321	38.93503108
CP6368	10.942788	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_MFA	41.08	PL17	-77.5535612	38.93630194
CP6369	0.798847	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	GQ	100.00	PL17	-77.55260944	38.93730944
CP6375	2.847840	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	GQ	50.22	PL17	-77.55303572	38.93831004
CP638	10.968001	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	58.92	PL45	-77.53837137	38.92127736
CP6410	4.515752	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	33.46	PL17	-77.56152504	38.93347198
CP6411	1.111098	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	95.85	PL17	-77.56153916	38.93281416
CP6430	9.020817	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	46.91	PL17	-77.56120121	38.93478868
CP6544	16.571410	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	45.86	PL17	-77.55958845	38.92756108
CP6584	3.430902	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	53.51	PL17	-77.55910547	38.92975877
CP6588	11.695739	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	59.52	PL17	-77.56253225	38.92790452
CP6589	4.386022	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	60.78	PL17	-77.56243759	38.92960551
CP7024	5.077046	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	23.64	PL17	-77.52024119	38.96869547
CP706	8.669461	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	71.36	PL17	-77.54026201	38.93624251
CP7092	18.874783	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	44.93	PL17	-77.51742295	38.92726209
CP7145	9.649862	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	59.24	PL17	-77.51940004	38.97285109
CP7191	4.517935	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	47.26	PL17	-77.52057343	38.97189289
CP7300	3.680421	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	60.10	PL17	-77.50647155	38.99105511
CP7306	1.284216	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	52.53	PL17	-77.50630013	38.99253999
CP7319	4.436346	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	MULTI_USE	70.31	PL17	-77.50502286	38.99387478
CP7329	2.038012	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	76.30	PL17	-77.50692941	38.99371675
CP7355	12.001851	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	45.14	PL17	-77.50754508	38.99171804
CP7359	18.189704	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	44.86	PL17	-77.50865386	38.99394193
CP738	2.788591	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	99.07	PL17	-77.5470859	38.93877475
CP7438	17.672867	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	31.70	PL17	-77.51026308	38.9935145
CP7439	0.482266	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	94.76	PL17	-77.50940884	38.99134992
CP7442	0.776145	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	96.05	PL17	-77.50892957	38.99182365
CP7447	0.389988	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	41.38	PL17	-77.51071823	38.98991131
CP7458	0.658756	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	75.56	PL17	-77.5053088	38.99223445
CP747	1.724194	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	99.25	PL17	-77.54792986	38.93925193
CP748	2.052184	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	100.00	PL17	-77.54707145	38.93944743
CP7526	11.615928	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	54.78	PL17	-77.50435024	38.99162819
CP7533	1.029959	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	53.16	PL17	-77.50529061	38.99066493
CP755	2.991926	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	100.00	PL17	-77.54949318	38.94015861
CP762	1.550771	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	100.00	PL17	-77.54848361	38.93969593
CP765	1.494248	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	100.00	PL17	-77.54904777	38.94051315
CP7667	5.373005	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	MULTI_USE	91.45	PL14	-77.52601349	39.01562723
CP7669	10.530698	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	66.11	PL14	-77.52101134	39.01506094
CP768	0.785823	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	100.00	PL17	-77.55035937	38.94048386
CP7681	0.802643	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	57.44	PL14	-77.52283991	39.01584635
CP7695	1.940587	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	34.61	PL14	-77.52518721	39.01591876
CP7697	5.785755	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	MULTI_USE	60.10	PL14	-77.52549034	39.016784
CP7701	1.119417	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	MULTI_USE	37.83	PL14	-77.52520243	39.01525538
CP7710	2.833910	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	36.44	PL14	-77.52276209	39.01542592
CP7734	8.214178	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	47.74	PL17	-77.52464898	38.9896978
CP7745	1.085146	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.56	PL19	-77.48304673	39.01932136
CP7746	0.316352	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	15.29	PL19	-77.48247978	39.01905903
CP7759	6.154924	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	44.42	PL19	-77.48396288	39.01841559
CP7776	1.728315	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	51.80	PL19	-77.48493639	39.01813666
CP783	9.352467	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_RETAIL	55.26	PL17	-77.54915563	38.93883909
CP7838	15.264776	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	57.38	PL19	-77.49440652	39.01332229
CP7839	2.861885	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	99.95	PL19	-77.49350759	39.01220322
CP784	0.509697	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OFFICE_MEDICAL	20.71	PL17	-77.55199249	38.93886239
CP7841	1.213533	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	72.89	PL19	-77.49343791	39.0118692
CP7843	4.838506	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	84.07	PL19	-77.49307754	39.01425661

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CP786	4.729510	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OFFICE_MEDICAL	100.00	PL17	-77.55292814	38.93926961
CP7875	4.236049	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.49249363	39.01368128
CP7899	5.301839	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	38.55	PL19	-77.50186718	39.01491209
CP7902	6.486117	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	64.10	PL19	-77.50301713	39.01488878
CP7943	11.438033	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.98	PL19	-77.4898954	39.04439719
CP7985	12.089571	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	99.89	PL19	-77.45758332	39.04496444
CP8050	7.967943	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	56.70	PL19	-77.45612268	39.04535608
CP8069	2.399686	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	66.55	PL19	-77.43252146	39.03064444
CP8076	3.141354	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	63.67	PL19	-77.43324554	39.03008789
CP8092	13.243888	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	43.13	PL19	-77.43474624	39.02897926
CP8121	0.753507	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	4.80	PL19	-77.43896632	39.01251982
CP8162	25.339778	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	82.90	PL19	-77.44023028	39.01340574
CP8178	0.427763	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	63.73	PL19	-77.439989	39.01042141
CP8223	6.660546	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	37.78	PL45	-77.4840659	38.91219716
CP8229	4.560336	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	37.23	PL45	-77.48195922	38.91168216
CP831	12.873782	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	53.85	PL45	-77.4912226	38.91441152
CP8385	1.819345	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	64.93	PL16	-77.50663141	39.10451272
CP8421	6.780272	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.47758882	39.01911692
CP8425	1.291658	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.47865166	39.01907397
CP8428	0.492447	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.47943319	39.01854684
CP8434	1.856712	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFA	42.37	PL14	-77.52777777	38.99743715
CP8438	0.837780	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	64.04	PL14	-77.52690703	38.99717961
CP8443	0.318581	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	64.61	PL14	-77.52575612	38.99722731
CP8451	1.377659	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	21.01	PL17	-77.48537574	38.99920953
CP8454	0.542744	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	99.14	PL17	-77.48561924	38.99890807
CP8470	1.709392	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	39.74	PL17	-77.48446079	38.99889025
CP8472	1.121839	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	100.00	PL17	-77.48463996	38.99822322
CP8475	1.357309	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	94.34	PL17	-77.48567055	38.99845314
CP8476	0.413292	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	99.25	PL17	-77.48573825	38.99803933
CP8481	8.122776	20700080902	No	Chesapeake Bay	Horsepen Run	HOA	50.88	PL18	-77.41149212	38.98189716
CP8495	13.472575	20700080902	No	Chesapeake Bay	Horsepen Run	RES_SFA	40.30	PL18	-77.40861538	38.98102481
CP8510	7.020599	20700080902	No	Chesapeake Bay	Horsepen Run	HOA	47.94	PL18	-77.41053528	38.98364263
CP864	9.149806	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	54.80	PL45	-77.48678927	38.91350166
CP8688	12.805853	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	99.61	PL19	-77.44454254	39.04953981
CP8691	1.719042	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.4444736	39.04802512
CP8693	2.249421	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.44548421	39.04809438
CP8698	7.387781	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.44625901	39.04904929
CP8734	37.781591	20700080301	No	Chesapeake Bay	South Fork Catoctin Creek	RES_SFD	80.37	PL02	-77.65149181	39.13766995
CP874	1.232782	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	32.27	PL45	-77.48678906	38.91512474
CP8742	13.393527	20700080301	No	Chesapeake Bay	South Fork Catoctin Creek	RES_SFD	85.78	PL02	-77.64406779	39.13630954
CP8746	10.899511	20700080301	No	Chesapeake Bay	South Fork Catoctin Creek	RES_SFD	89.50	PL02	-77.64429239	39.13764117
CP8748	2.682824	20700080301	No	Chesapeake Bay	South Fork Catoctin Creek	RES_SFD	96.78	PL02	-77.64498759	39.13870454
CP8756	3.154415	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	59.40	PL17	-77.57322863	38.95229933
CP8762	2.364588	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	74.66	PL17	-77.5739583	38.95212572
CP8764	0.184067	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	5.57	PL17	-77.57465575	38.95250747
CP8771	1.699365	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	69.63	PL17	-77.57351563	38.95342732
CP8779	1.603714	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	63.39	PL17	-77.57297585	38.9543984
CP8797	2.400276	20700080301	No	Chesapeake Bay	South Fork Catoctin Creek	VACANT_UNENTITLED	70.00	PL02	-77.63583281	39.13568559
CP8820	3.999260	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	COM_HEAVY_IND	97.93	PL05	-77.5040595	39.11290971
CP8839	0.456983	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	50.14	PL42	-77.56317872	38.91087491
CP8843	0.203352	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run			PL42	-77.56402055	38.91042727
CP8871	6.172247	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	72.72	PL42	-77.56814895	38.91187898
CP89	2.562351	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	63.71	PL45	-77.51598931	38.89702988
CP893	3.311794	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	MISC	55.68	PL45	-77.48848364	38.91224713
CP895	4.052581	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	0.87	PL45	-77.49099959	38.91102264
CP8956	13.023035	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	51.85	PL42	-77.56841	38.90944419
CP8957	12.259065	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	34.01	PL42	-77.56729642	38.90727884
CP9016	1.029611	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run			PL42	-77.57072849	38.91361396
CP9021	3.759435	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	MULTI_USE	49.75	PL42	-77.57028627	38.9155403
CP9044	12.876028	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	63.08	PL42	-77.56948936	38.91166333

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
CP9047	0.587327	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run			PL42	-77.5707208	38.91200252
CP9053	2.541487	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	63.77	PL45	-77.4975766	38.91992656
CP9060	5.578437	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_MFST	45.21	PL45	-77.49892234	38.91986867
CP9117	4.295379	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	71.71	PL45	-77.50382519	38.91643298
CP9126	0.681936	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	57.27	PL45	-77.50400202	38.91724664
CP9128	12.200760	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	46.12	PL45	-77.50238943	38.91796453
CP9169	9.747020	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	44.58	PL45	-77.50060535	38.91985209
CP9189	0.113993	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL17	-77.52329195	38.97154534
CP9193	0.332244	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL17	-77.5237402	38.97179
CP9230	7.724262	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	69.95	PL19	-77.47325957	38.99821827
CP9233	1.742647	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	100.00	PL19	-77.47040541	38.99887977
CP9234	4.575444	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	98.01	PL19	-77.47181637	38.99883939
CP9321	3.155231	20700080902	No	Chesapeake Bay	Horsepen Run	COM_RETAIL	96.79	PL18	-77.43273193	38.98018798
CP938	0.903720	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	33.84	PL45	-77.49790252	38.91209888
CP9380	9.173334	20700080902	No	Chesapeake Bay	Horsepen Run	COM_DATA_CENTER	98.69	PL18	-77.44254253	38.98682845
CP9433	4.480963	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	25.96	PL19	-77.50488487	39.02583439
CP9479	0.983141	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	69.56	PL19	-77.45892739	39.03435001
CP9483	2.058030	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	68.54	PL19	-77.45882901	39.03491842
CP949	14.433951	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	99.02	PL45	-77.48837252	38.91493014
CP9495	7.420081	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	35.83	PL19	-77.4596748	39.03620349
CP9500	1.460163	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.79	PL19	-77.45607548	39.03664152
CP9502	4.654594	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	63.87	PL19	-77.45827705	39.03754773
CP9530	10.222154	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	40.03	PL19	-77.45907268	39.0369858
CP9555	5.501479	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	43.30	PL19	-77.45842377	39.0391893
CP9561	3.370020	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	35.89	PL19	-77.45652233	39.0386121
CP9614	8.978314	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	100.00	PL19	-77.4576376	39.02887276
CP9624	19.296007	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	73.18	PL19	-77.45920737	39.02840346
CP9684	14.590844	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	43.29	PL19	-77.45116958	39.04218949
CP9685	19.831898	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	72.79	PL19	-77.4538616	39.04175226
CP9756	1.081049	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.45624831	39.04893484
CP9760	0.725331	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.4570621	39.04859635
CP9784	9.000714	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	VACANT_ENTITLED	42.49	PL20	-77.4584132	39.06226742
CP9789	9.899356	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_LIGHT_IND_FLEX	58.56	PL20	-77.46058988	39.06273944
CP9963	3.472801	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	39.81	PL19	-77.45270807	39.05421148
CP9965	4.397140	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	100.00	PL19	-77.45349834	39.05519201
CP9966	4.947035	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	100.00	PL19	-77.45396119	39.05604964
CP9990	0.889675	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	100.00	PL19	-77.45444786	39.05671252
CP9994	1.032407	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	100.00	PL19	-77.45506904	39.05703071
CS1	13.330424	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	75.23	PL19	-77.40743176	39.00443054
CS16	0.492103	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	64.13	PL14	-77.52827787	39.00352102
DB1027	8.603174	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	78.06	PL45	-77.49431937	38.9003338
DB1099	19.712810	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	68.14	PL45	-77.49397558	38.89712953
DB1131	1.687120	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	61.41	PL45	-77.49505471	38.89417577
DB1138	1.680858	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	54.57	PL45	-77.49506483	38.8949862
DB1164	12.649611	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	70.89	PL45	-77.49497559	38.89875463
DB1169	0.187721	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	1.30	PL45	-77.49710972	38.89757497
DB1191	0.792181	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	46.26	PL45	-77.47949777	38.90781125
DB1212	8.611847	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	79.39	PL45	-77.48128044	38.90896001
DB1219	2.947736	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.55	PL45	-77.48289046	38.90908076
DB1224	23.720906	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	58.68	PL45	-77.48423864	38.91026414
DB1266	2.994637	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	66.39	PL45	-77.51044025	38.89666163
DB1271	6.539175	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	40.67	PL45	-77.51379189	38.89645173
DB1295	1.683341	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	62.99	PL45	-77.51331916	38.89750755
DB1318	2.331574	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	33.21	PL45	-77.52169011	38.90224718
DB1321	0.296837	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	1.98	PL45	-77.52253241	38.90268505
DB1326	8.084555	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	47.98	PL45	-77.52090183	38.90298509
DB1327	1.986259	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	32.90	PL45	-77.52162375	38.90400333
DB1335	1.452749	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	23.69	PL45	-77.52139561	38.90467551
DB1336	0.966481	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	29.26	PL45	-77.52126106	38.90535849
DB1341	0.502336	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	8.68	PL45	-77.52212133	38.90601123

Loudoun County Virginia
Regulated MS4 Outfall Table

FCITD	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
DB1344	12.691299	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	61.75	PL45	-77.52013521	38.90469531
DB1359	5.208134	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_GOLF_COURSE	59.34	PL45	-77.52013237	38.90717236
DB1366	0.997878	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_GOLF_COURSE	16.16	PL45	-77.51915515	38.90872033
DB1373	3.853708	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	22.56	PL45	-77.51898662	38.91077028
DB1382	2.204253	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	21.77	PL19	-77.50129294	39.02326487
DB1395	5.332587	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	44.48	PL19	-77.49975321	39.02105013
DB1406	2.858222	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.09	PL19	-77.5007062	39.02079404
DB1412	0.522312	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.19	PL19	-77.50131921	39.02120001
DB1413	13.293909	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	42.61	PL19	-77.50350185	39.020739
DB1426	0.845511	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	57.25	PL19	-77.50172301	39.02045055
DB1472	1.101985	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	42.69	PL19	-77.50315466	39.02177557
DB1486	9.494252	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	55.74	PL19	-77.50477964	39.02228664
DB15	33.790312	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	50.06	PL19	-77.42472224	39.03010695
DB1515	22.431292	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	46.85	PL19	-77.50652147	39.02488073
DB1574	5.967257	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.30	PL19	-77.50248947	39.02366598
DB1588	27.070407	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	38.38	PL19	-77.49648125	39.01659482
DB1592	0.482388	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	59.76	PL19	-77.49717387	39.01879863
DB162	9.157015	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	49.17	PL19	-77.42731934	39.03648382
DB1620	0.520822	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	6.05	PL19	-77.49807557	39.01563987
DB1622	2.191831	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	0.29	PL19	-77.50136773	39.01593707
DB1625	1.841861	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	71.32	PL19	-77.497931	39.01523735
DB1628	0.631771	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	99.98	PL19	-77.4996114	39.01560835
DB1638	5.281144	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.50	PL19	-77.50061829	39.0165663
DB1658	10.391295	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.32	PL19	-77.50101661	39.01751987
DB1688	6.146558	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.09	PL19	-77.5001172	39.01897795
DB1696	36.340491	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	53.72	PL19	-77.50095377	39.02495236
DB1702	2.239664	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.20	PL19	-77.49808149	39.02540887
DB1757	7.035701	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	85.01	PL19	-77.51007409	39.02638239
DB1797	3.638229	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	50.43	PL19	-77.5091341	39.02383922
DB1807	3.384854	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	96.45	PL19	-77.50796596	39.02393953
DB1811	2.131486	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	98.93	PL19	-77.50713934	39.02355794
DB1812	5.081637	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	39.74	PL19	-77.51061626	39.02338377
DB1822	0.293504	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	69.33	PL19	-77.50897938	39.02202865
DB1827	1.325342	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	44.48	PL19	-77.50945269	39.02105271
DB1835	0.787960	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	60.98	PL19	-77.50818399	39.02141467
DB1838	0.884479	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	64.07	PL19	-77.50757798	39.02137491
DB1845	2.930328	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	65.80	PL19	-77.50768347	39.02072135
DB186	16.891971	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	75.04	PL19	-77.42549732	39.03392444
DB1860	4.350029	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	55.41	PL19	-77.50889227	39.02029713
DB1862	0.678579	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.36	PL19	-77.50816258	39.02029322
DB1864	2.758109	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	59.94	PL19	-77.50929252	39.01891369
DB1888	10.516107	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	30.64	PL19	-77.50853469	39.01734212
DB1916	12.582573	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	71.20	PL19	-77.50765977	39.01543102
DB1947	33.216968	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	50.44	PL19	-77.51310275	39.01834287
DB195	8.612301	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	43.86	PL19	-77.42683249	39.03520832
DB196	35.455394	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	73.54	PL19	-77.41956309	39.03755019
DB1974	3.313714	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	66.70	PL19	-77.51242238	39.02004513
DB1975	0.269193	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	98.61	PL19	-77.51107344	39.02010968
DB1980	1.551762	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.66	PL19	-77.51207314	39.02094719
DB1993	7.866547	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	90.03	PL19	-77.51405896	39.0209216
DB2016	0.412633	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	71.02	PL19	-77.51187532	39.02466624
DB2019	5.559448	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	54.91	PL19	-77.51199795	39.02399727
DB2020	4.686078	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	20.30	PL19	-77.51342726	39.02312596
DB2029	0.564951	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	55.83	PL19	-77.50954999	39.02437735
DB2031	0.582140	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	57.67	PL19	-77.51001999	39.02488135
DB2033	1.706217	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	77.09	PL19	-77.51163743	39.02558139
DB2046	6.484818	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	18.56	PL19	-77.51197109	39.0260371
DB2130	0.152660	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.51412254	39.01673829
DB2133	0.889322	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	59.15	PL19	-77.51429229	39.01703936
DB2168	13.792002	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	47.50	PL20	-77.48105997	39.0794115

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
DB2209	12.576558	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	58.08	PL20	-77.48195146	39.08255408
DB2236	16.997125	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	72.05	PL20	-77.48094259	39.08455056
DB2252	7.967327	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	65.06	PL20	-77.47853307	39.08514221
DB2270	4.184039	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	73.86	PL20	-77.47938597	39.08632699
DB2296	8.138692	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	63.49	PL20	-77.48169331	39.08679716
DB2307	3.580720	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	75.24	PL20	-77.48045073	39.08827347
DB2318	4.705683	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	74.23	PL20	-77.47860624	39.08886612
DB2324	3.201744	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	79.23	PL20	-77.47711844	39.0882618
DB2329	3.388318	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	89.20	PL20	-77.47988252	39.08917146
DB2334	3.116611	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	67.36	PL20	-77.48239813	39.08775753
DB2338	3.635041	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	60.41	PL20	-77.48289063	39.08821526
DB2348	1.651188	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	100.00	PL20	-77.48343319	39.08683105
DB2359	29.157794	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	61.72	PL20	-77.48447942	39.0851881
DB2400	8.703538	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.48375172	39.07423868
DB2423	0.233087	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	100.00	PL19	-77.51493331	39.0173027
DB2431	5.213245	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	69.01	PL19	-77.51588792	39.01836634
DB2438	0.806806	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	31.50	PL19	-77.51653299	39.01760701
DB2439	2.448271	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	86.65	PL19	-77.51811477	39.01637988
DB2442	6.826396	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	61.34	PL19	-77.51967914	39.0166208
DB2460	4.214926	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	97.56	PL19	-77.51734167	39.01586679
DB2480	20.807851	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	68.20	PL19	-77.51735491	39.01456849
DB2493	4.694610	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	94.22	PL19	-77.51525912	39.01371288
DB2509	2.167285	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.51593126	39.01133878
DB2517	9.632091	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	93.17	PL19	-77.51573923	39.01244114
DB2523	17.356828	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.41	PL19	-77.5172967	39.01142471
DB2610	17.093961	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.96	PL19	-77.51946481	39.011373
DB2611	10.769721	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.50	PL19	-77.52016621	39.00872592
DB2690	15.102231	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.51	PL19	-77.50500641	39.06339261
DB2693	3.667337	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	38.82	PL19	-77.50403086	39.0624715
DB2738	1.783764	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.79	PL19	-77.50307407	39.06292737
DB2739	1.852416	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.28	PL19	-77.50260179	39.06364352
DB2745	5.059728	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.97	PL19	-77.50297723	39.06446446
DB2748	4.464338	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	53.05	PL19	-77.50161499	39.06501497
DB2749	4.215274	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.11	PL19	-77.50214718	39.06596725
DB2772	5.046930	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.14	PL19	-77.50345225	39.06537303
DB2784	0.414709	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	61.22	PL20	-77.48252549	39.0812528
DB2793	15.477636	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	67.01	PL20	-77.48494683	39.08257442
DB2796	0.762179	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	85.99	PL20	-77.48468606	39.08120733
DB2797	33.111158	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	50.99	PL20	-77.48765111	39.08084823
DB2908	5.179692	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	60.71	PL20	-77.48522578	39.08782445
DB30	1.157905	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	0.02	PL19	-77.42730733	39.03035764
DB3051	3.961022	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	77.62	PL16	-77.50303409	39.09372679
DB3068	1.457349	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	83.97	PL16	-77.50452212	39.09381194
DB316	11.652041	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	61.82	PL19	-77.41978061	39.03539976
DB395	0.622319	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	0.35	PL19	-77.44249136	39.05215862
DB44	13.592765	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	50.40	PL19	-77.42745907	39.03265047
DB448	0.231025	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	0.00	PL19	-77.43367565	39.04811351
DB449	3.455554	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	8.31	PL19	-77.4353233	39.04861715
DB453	1.283826	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.43340713	39.04745078
DB456	2.120540	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.43093779	39.04582249
DB462	0.409219	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.4325502	39.04672176
DB464	0.385564	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.43074766	39.0457917
DB468	0.238844	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.43119332	39.04659311
DB470	0.526027	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.43218588	39.04730983
DB48	2.125801	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	22.28	PL19	-77.42813191	39.03149634
DB497	0.856678	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	26.66	PL19	-77.48062188	39.0674479
DB500	0.892069	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	1.24	PL19	-77.48099427	39.06515458
DB502	0.976666	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	31.92	PL19	-77.4812212	39.06344377
DB513	7.203564	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFST	72.82	PL19	-77.48228638	39.06340481
DB514	0.181994	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	1.84	PL19	-77.48130354	39.06399893

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
DB524	3.060648	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	69.64	PL19	-77.48091522	39.0599239
DB56	15.711423	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	17.66	PL19	-77.42279835	39.03998566
DB57	7.440978	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	80.40	PL19	-77.42417911	39.03866628
DB60	2.684820	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	19.67	PL19	-77.42554217	39.03873626
DB700	2.912936	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	21.37	PL45	-77.49994373	38.88868167
DB703	0.229674	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_UNENTITLED	1.08	PL45	-77.50343416	38.89039255
DB706	0.132590	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_UNENTITLED	0.69	PL45	-77.50500207	38.89113942
DB709	6.682031	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	MULTI_USE	21.96	PL45	-77.50958691	38.89332867
DB73	4.691885	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	26.62	PL19	-77.42831294	39.03685568
DB765	5.154232	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	78.46	PL45	-77.49438391	38.89074642
DB780	15.722461	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	29.56	PL45	-77.49417263	38.89340299
DB870	10.465752	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	49.41	PL45	-77.49279228	38.89463654
DB894	3.166596	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	65.85	PL45	-77.49067223	38.89411501
DB911	6.094841	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	55.36	PL45	-77.49005208	38.89556727
DB916	61.749177	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	62.81	PL45	-77.48926673	38.89999422
DB983	2.735147	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	66.55	PL45	-77.4919667	38.89163055
DB993	7.963294	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	54.51	PL45	-77.49202036	38.89818491
DD133	7.968828	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	98.07	PL18	-77.44698267	38.98668857
DD241	5.573509	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	100.00	PL45	-77.53934948	38.91244119
DD26	1.293569	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	99.87	PL19	-77.44023223	38.99649405
DD3	5.490009	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	54.57	PL19	-77.49870205	39.02689585
DD34	0.108260	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	100.00	PL20	-77.40781672	39.03617444
DD55	1.437665	20700080902	No	Chesapeake Bay	Horsepen Run	MISC	100.00	PL18	-77.43779291	38.97788347
DD58	0.565476	20700080902	No	Chesapeake Bay	Horsepen Run	MISC	100.00	PL18	-77.43785755	38.97856641
DD66	10.297222	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_CHURCH	55.76	PL45	-77.49562346	38.91564877
DD78	1.197308	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	98.73	PL19	-77.41699117	39.01759557
DD8	0.958082	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.43593054	39.01151541
DD86	4.167148	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	100.00	PL21	-77.38900474	39.06092855
DD9	0.080950	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	77.44754891	PL19	-77.44754891	38.99877733
DF123	8.180078	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	50.59	PL19	-77.46440451	39.02597358
DF148	6.983239	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.42600217	39.04125417
DF153	0.581910	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	0.50	PL19	-77.42938181	39.04345485
DF158	5.455012	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	84.11	PL19	-77.47341511	39.06893786
DF16	1.078791	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	55.67	PL17	-77.50070442	38.98594596
DF169	9.967862	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	47.99	PL17	-77.50518438	38.98233401
DF185	9.446812	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_CHURCH	99.96	PL19	-77.47662863	39.06641761
DF188	1.679471	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	100.00	PL19	-77.44781261	39.05856584
DF190	10.023502	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.40406745	39.01287285
DF196	4.638700	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	78.62	PL19	-77.47479193	39.06696972
DF21	10.306755	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	54.27	PL45	-77.49819218	38.91601091
DF278	0.660681	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.05	PL19	-77.50050192	39.02267277
DF28	16.705658	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.05	PL19	-77.46731844	39.05447125
DF66	14.435656	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	50.05	PL17	-77.54321841	38.9299204
DF73	14.066609	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	35.84	PL17	-77.50680442	38.98006512
DF93	2.914337	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	58.82	PL14	-77.53048463	39.02157032
DK11558	2.006598	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.88	PL19	-77.51593544	39.00379147
DK11568	0.526598	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.26	PL19	-77.51625407	39.00347936
DK20037	3.566249	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	49.16	PL19	-77.51693459	39.00251127
DK30021	1.769864	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	86.61	PL19	-77.51262666	39.00512116
DK30234	3.303854	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_MFA	89.12	PL20	-77.39581546	39.0290817
DK30235	5.453264	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.42329622	39.01903929
DK30238	2.146248	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	99.78	PL19	-77.42592057	39.01677647
DK30239	3.003345	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	97.36	PL19	-77.42535803	39.01632734
DK30240	3.826431	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	50.32	PL19	-77.41049762	39.00840936
DK30241	0.475179	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	52.14	PL19	-77.4110528	39.00897124
DK30242	3.420739	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.93	PL19	-77.41175293	39.0079361
DK30245	3.547472	20700080902	No	Chesapeake Bay	Horsepen Run	COM_RETAIL	39.66	PL18	-77.42433289	38.99092999
DK30246	6.738108	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	59.85	PL19	-77.40597504	38.99669935
DK30247	1.685062	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	35.31	PL19	-77.40698524	38.99518008
DK30255	5.164703	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.75	PL19	-77.51339317	39.00457428

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
DK30257	9.108329	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.17	PL19	-77.51493544	39.00317785
DK30259	0.764877	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	39.74	PL17	-77.51880553	38.983544
DK30260	4.044774	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	68.26	PL17	-77.51986651	38.98189661
DK30261	3.799165	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	71.42	PL17	-77.51861643	38.98200368
DK80001	0.071786	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_MFA	84.86	PL20	-77.39646616	39.02960032
DW120	3.460361	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42518975	38.98492295
DW152	14.223935	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	62.34	PL18	-77.4494596	38.98107061
DW154	0.424193	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run			PL21	-77.36321028	39.02788167
DW155	1.115523	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	49.23	PL21	-77.37720625	39.03036113
DW156	1.310490	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	49.27	PL21	-77.37836132	39.02927764
DW212	2.052657	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	89.59	PL19	-77.46256414	39.02295451
DW26	19.038588	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	24.37	PL21	-77.357234	39.03862537
DW29	1.134137	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	92.91	PL21	-77.36322712	39.03737925
DW309	3.120660	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFST	36.64	PL19	-77.50066825	39.0535346
DW311	1.626949	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFST	95.87	PL19	-77.50088064	39.05331077
DW325	1.251686	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	82.59	PL19	-77.48968607	39.02105164
DW43	14.636556	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	38.67	PL21	-77.35892618	39.04063308
DW46	1.816985	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	60.65	PL45	-77.52433416	38.90234016
DW48	43.529691	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	69.91	PL19	-77.46856948	39.01696131
DW52	11.930298	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	MULTI_USE	72.73	PL21	-77.34704948	39.05197447
GC1002	1.658159	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	68.08	PL14	-77.52651404	39.00632998
GC1216	3.610756	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	76.78	PL45	-77.51589201	38.92061989
GC1275	5.507200	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	81.14	PL42	-77.5578571	38.90895266
GC1276	2.873416	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	66.67	PL42	-77.55844243	38.9100674
GC1483	2.855381	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	69.83	PL45	-77.5391277	38.91530363
GC1515	0.518659	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	1.74	PL45	-77.5251409	38.90077863
GC1516	2.439770	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	23.93	PL45	-77.52272145	38.8998967
GC1517	12.740403	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	48.38	PL45	-77.52155629	38.90088775
GC1518	1.487028	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	73.36	PL45	-77.52441526	38.90133617
GC1519	1.484855	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	48.06	PL45	-77.52461716	38.90321184
GC1520	2.772790	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	73.16	PL45	-77.52422058	38.9049417
GC1521	3.272319	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	68.71	PL45	-77.52350197	38.90613153
GC1522	0.405622	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	46.57	PL45	-77.52348813	38.90759303
GC1523	0.753758	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	74.23	PL45	-77.5232482	38.90808556
GC1535	5.788006	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	53.62	PL45	-77.53120478	38.92865175
GC1536	1.779320	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	44.54	PL45	-77.52973387	38.92816201
GC1537	1.729982	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	61.16	PL45	-77.52905628	38.92748647
GC1538	1.737599	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	54.47	PL45	-77.53333626	38.92829342
GC1540	14.080360	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	49.09	PL45	-77.53141218	38.92733783
GC1541	4.443425	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	30.71	PL45	-77.5328063	38.92666016
GC1542	13.447747	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	51.75	PL45	-77.53419995	38.92437613
GC1543	20.668537	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	54.11	PL17	-77.54910728	38.93526149
GC1544	0.610393	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	100.00	PL17	-77.55093468	38.93562476
GC1545	2.170653	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	34.74	PL42	-77.54968794	38.92718775
GC1546	12.488969	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	62.19	PL42	-77.54869116	38.92768241
GC1548	6.744006	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	75.90	PL42	-77.54920946	38.92564668
GC1552	20.170184	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	29.75	PL42	-77.54611737	38.92207824
GC2101	6.683125	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFD	58.35	PL05	-77.49380663	39.10971887
GC2102	3.603232	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFD	64.52	PL05	-77.49420843	39.11157414
GC2103	5.746417	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFD	76.37	PL05	-77.49233551	39.11041445
GC2104	1.795569	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	71.88	PL20	-77.4769263	39.08672545
GC2105	19.512398	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	70.18	PL20	-77.47661362	39.08539768
GC2109	57.797626	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	51.42	PL16	-77.50778763	39.09327139
GC2140	3.560390	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.02	PL19	-77.46068247	39.04234181
GC2141	2.063791	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.04	PL19	-77.46234953	39.04262775
GC2142	9.540642	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.37	PL19	-77.46467585	39.04417455
GC2246	20.054077	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	57.60	PL19	-77.46236537	39.0440814
GC2247	3.058793	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.07	PL19	-77.45987477	39.04448259
GC2248	2.361433	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	53.20	PL19	-77.46106626	39.04505142
GC2250	7.659233	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	43.22	PL19	-77.45882898	39.04416959

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
GC2257	0.652560	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	72.38	PL19	-77.46021271	39.03377286
GC2258	0.848317	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	83.80	PL19	-77.46048689	39.03346873
GC2259	1.454048	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	84.54	PL19	-77.46121092	39.03373731
GC235	4.323576	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	46.54	PL14	-77.53187042	39.02415753
GC2379	3.883234	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	96.70	PL16	-77.50826356	39.05956486
GC2380	21.675055	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.43	PL19	-77.50710234	39.0589955
GC2386	49.014694	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	57.56	PL16	-77.50811992	39.06304585
GC2390	5.386613	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	45.72	PL19	-77.46259401	39.0405164
GC2394	0.230858	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	58.36	PL19	-77.46439491	39.0425242
GC2395	14.326377	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	43.52	PL19	-77.46444898	39.04172817
GC2465	4.527499	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	75.35	PL16	-77.5082395	39.08621806
GC2469	6.060172	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	54.77	PL19	-77.4995908	39.06148224
GC2470	0.506217	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	61.43	PL19	-77.49914103	39.05986564
GC2553	12.028609	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	36.08	PL19	-77.46301882	39.04659589
GC2554	6.291295	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	69.37	PL19	-77.46065089	39.04676625
GC2555	4.870713	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	49.13	PL19	-77.46169716	39.04563844
GC2556	9.658739	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	73.38	PL19	-77.46444632	39.04685182
GC2557	9.845813	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	65.71	PL19	-77.46469633	39.04756965
GC2654	1.793459	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.33	PL19	-77.49379007	39.04324154
GC2658	2.837380	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_GOLF_COURSE	39.07	PL19	-77.49587353	39.06080379
GC2659	2.503376	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.28	PL19	-77.49618741	39.05973726
GC2660	1.217400	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	77.73	PL19	-77.49533701	39.05941666
GC2661	1.901447	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.47	PL19	-77.49563009	39.05850969
GC2662	1.431058	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.31	PL19	-77.49541618	39.05760033
GC2737	20.005632	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	61.01	PL16	-77.49084508	39.09592448
GC2738	31.769611	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	46.65	PL16	-77.4934278	39.09661263
GC2812	8.508727	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	54.69	PL16	-77.49427277	39.09340808
GC2813	15.061832	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	64.71	PL16	-77.49592281	39.0930371
GC2814	1.481729	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	75.56	PL16	-77.49909316	39.09099625
GC2815	1.783280	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	73.87	PL16	-77.49905128	39.09211011
GC2817	31.543733	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	41.22	PL16	-77.50525801	39.08486098
GC547	44.527974	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	34.62	PL21	-77.3509519	39.05086824
GC548	1.915721	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFA	83.23	PL21	-77.35166542	39.05340195
GC908	19.756891	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	61.11	PL17	-77.51945446	38.98749387
GC909	0.617614	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	88.52	PL17	-77.51492964	38.98575914
GC914	5.432688	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	39.20	PL17	-77.51531922	38.98474047
GC915	5.715832	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	38.11	PL17	-77.51426601	38.98399952
GC919	9.918698	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	39.54	PL17	-77.51470027	38.97927063
GC922	21.700370	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	31.99	PL17	-77.51770673	38.98397719
GC927	0.759035	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	48.07	PL17	-77.52097933	38.98795705
GC948	4.202617	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	39.11	PL17	-77.51284291	38.98324995
GC979	39.783781	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	37.31	PL17	-77.5176212	38.99695677
GC981	8.427568	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	83.13	PL17	-77.51504807	38.99131297
GC982	1.192941	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	77.79	PL17	-77.51248495	38.99101951
GC983	1.738538	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	38.29	PL17	-77.51168914	38.99061486
GC995	1.673964	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	70.27	PL14	-77.53339021	39.02358487
GC996	19.227111	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	29.95	PL14	-77.53033321	39.0244149
GC998	0.446388	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	83.02	PL14	-77.52858334	39.00697517
JC1	6.143555	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	55.73	PL45	-77.52555245	38.91554562
JC1026	4.958516	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	78.90	PL19	-77.50416667	39.03782581
JC1028	29.189394	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	19.93	PL19	-77.50622585	39.03668008
JC1050	2.256835	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	99.98	PL19	-77.50611647	39.03933088
JC1053	1.243767	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.50678822	39.03904104
JC1056	1.259746	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	50.02	PL19	-77.50783067	39.03886797
JC1058	1.245318	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	67.41	PL19	-77.50818924	39.03804987
JC1063	1.036126	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.92	PL19	-77.50846951	39.03645797
JC1065	11.226328	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	41.43	PL19	-77.51099951	39.03605708
JC1067	5.216397	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	94.83	PL19	-77.51085322	39.03737237
JC1097	4.460681	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	89.76	PL19	-77.5114375	39.03767866
JC1098	2.160770	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.86	PL19	-77.5120365	39.03816017

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
JC1106	1.163833	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.21	PL19	-77.51276776	39.03738547
JC1125	5.531066	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	77.69	PL19	-77.51071254	39.03486969
JC1127	8.294368	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.06	PL19	-77.50845495	39.03401466
JC1144	2.885069	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	84.07	PL19	-77.50802921	39.03544144
JC1146	4.017225	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	21.55	PL19	-77.51310682	39.03620216
JC11470	1.310638	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	70.38	PL42	-77.5594627	38.91249819
JC11476	0.931987	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	92.30	PL42	-77.5602469	38.91272242
JC11477	0.643145	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	56.10	PL42	-77.56016156	38.91350667
JC1148	0.991422	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.92	PL19	-77.51488615	39.03687557
JC11480	0.448327	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	58.71	PL42	-77.56058532	38.91292842
JC11490	1.156462	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	63.88	PL42	-77.55974091	38.91198332
JC11491	8.075892	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	63.80	PL42	-77.560582	38.90993378
JC11494	0.230782	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	63.80	PL42	-77.55891972	38.91195851
JC1175	1.340702	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	25.39	PL19	-77.5157534	39.03730443
JC1177	9.014762	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	28.89	PL19	-77.51810011	39.04008869
JC119	2.782182	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	81.52	PL45	-77.52619841	38.90902896
JC1206	3.519742	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	31.83	PL19	-77.49970142	39.03083857
JC1218	1.059284	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	48.20	PL19	-77.49860955	39.0330724
JC1220	2.345647	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.49933864	39.03311878
JC1227	1.234333	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.500152	39.03350396
JC1231	23.531806	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	34.52	PL19	-77.50229876	39.03465186
JC1241	4.200866	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	58.16	PL19	-77.504103	39.03348831
JC125	3.650641	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	79.13	PL45	-77.5287427	38.90973954
JC126	3.632073	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	78.53	PL45	-77.5304716	38.91086803
JC1277	3.863950	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	49.28	PL19	-77.48758587	39.04660254
JC135	22.839873	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	67.95	PL45	-77.53346583	38.90842479
JC1381	5.099088	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	52.53	PL19	-77.4874464	39.05627086
JC1390	3.586332	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	53.23	PL19	-77.48696744	39.05738546
JC1398	2.214418	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	51.25	PL19	-77.48656087	39.05814513
JC14	10.009016	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.17	PL45	-77.52690581	38.91441131
JC1403	7.359027	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	16.62	PL19	-77.48543948	39.06020123
JC1421	9.788660	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	40.54	PL19	-77.48881582	39.06158467
JC1439	5.394851	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	46.10	PL19	-77.48888528	39.05987287
JC1456	2.678306	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	46.57	PL19	-77.48896389	39.05873415
JC1459	0.777019	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	85.10	PL19	-77.48928364	39.05669972
JC148	7.039656	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	67.72	PL45	-77.53137243	38.90951695
JC1485	7.492587	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.01	PL19	-77.49041456	39.05692686
JC1488	6.108171	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	38.40	PL19	-77.49038387	39.05830007
JC1495	1.727550	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	80.81	PL19	-77.48969201	39.05550384
JC1498	2.839513	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	77.31	PL19	-77.49184755	39.05963816
JC1502	1.946675	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.24	PL19	-77.49348407	39.06036595
JC1518	5.896692	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.27	PL19	-77.49002042	39.06218894
JC1519	1.262047	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	99.18	PL19	-77.49040488	39.06045965
JC1529	17.703886	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	40.37	PL19	-77.4914381	39.06261938
JC1542	0.749098	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	60.84	PL19	-77.49267588	39.06236933
JC1549	3.399242	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	60.76	PL19	-77.49342425	39.06150562
JC1567	4.525048	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	56.65	PL16	-77.50533082	39.06863103
JC1584	0.451886	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	100.00	PL16	-77.50302248	39.06848291
JC1586	7.718811	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	57.18	PL16	-77.50497672	39.0698068
JC1588	0.182517	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	100.00	PL16	-77.50220387	39.06907815
JC1593	4.693479	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	62.55	PL16	-77.49938703	39.06884057
JC1604	1.282206	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	MULTI_USE	100.00	PL16	-77.50019226	39.06841405
JC1630	1.866015	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	67.05	PL16	-77.50616363	39.07087468
JC1631	3.513853	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	51.26	PL16	-77.50562499	39.07234471
JC1656	12.650041	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	MULTI_USE	47.64	PL16	-77.50376471	39.07321136
JC1662	1.351604	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	53.02	PL16	-77.5038637	39.06818397
JC168	5.377558	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	75.61	PL45	-77.52795213	38.90330462
JC1685	1.606200	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.67	PL19	-77.49912458	39.06714
JC169	0.840525	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	61.66	PL45	-77.52673748	38.90452817
JC1693	3.660669	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	77.37	PL19	-77.49968381	39.06662001

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
JC1696	8.745458	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	49.33	PL16	-77.50198777	39.06767812
JC1716	1.263142	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.48825415	39.07463495
JC1717	6.840164	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	MULTI_USE	42.58	PL16	-77.48839186	39.07516564
JC173	3.184955	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	72.89	PL45	-77.53008808	38.90420638
JC1739	2.016283	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.49333458	39.0771099
JC1741	0.668456	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.49750015	39.07912528
JC1746	2.760451	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.49429746	39.07793167
JC1773	1.370765	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.50064326	39.08065954
JC1774	15.316475	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	MULTI_USE	11.32	PL16	-77.49968485	39.08122586
JC1790	0.392269	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.50600903	39.08316819
JC1791	0.996175	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.50394114	39.08215821
JC1800	8.314742	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	MULTI_USE	36.41	PL16	-77.5083209	39.08486734
JC1803	0.201949	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	PUBLIC	0.00	PL16	-77.51210125	39.08634488
JC1817	0.830691	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.51785622	39.08912427
JC1829	0.828351	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.51464408	39.08779613
JC1831	0.103052	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek			PL16	-77.51210422	39.0866309
JC1837	7.807332	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	57.25	PL16	-77.49675452	39.08741515
JC1849	29.190108	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	39.70	PL16	-77.49613047	39.08909322
JC186	3.847632	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	77.15	PL45	-77.531487	38.90495498
JC1886	1.626558	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	70.98	PL16	-77.49918079	39.09026279
JC1963	38.663677	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	44.75	PL16	-77.51164515	39.0953659
JC202	9.164655	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	74.05	PL45	-77.52855697	38.90645366
JC2025	32.361429	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	52.62	PL16	-77.5062647	39.09698765
JC203	0.247665	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	51.65	PL45	-77.52603588	38.90629621
JC210	3.335412	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	77.98	PL45	-77.52862489	38.90540589
JC211	12.126380	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	45.11	PL45	-77.51826639	38.90340505
JC2124	3.835675	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	75.86	PL17	-77.50133598	38.98470614
JC214	3.060378	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_GOLF_COURSE	64.25	PL45	-77.51771446	38.90544371
JC2152	1.304060	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	75.09	PL17	-77.52042519	38.99777518
JC2153	1.695269	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	77.55	PL17	-77.52027935	38.99574997
JC2154	12.162867	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	59.11	PL17	-77.51937518	38.99547939
JC2199	5.108443	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	86.74	PL17	-77.48437946	38.99575939
JC2226	3.529641	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.08	PL19	-77.49694123	39.05364021
JC2227	8.384919	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	80.38	PL19	-77.49771342	39.0553207
JC2228	4.887562	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	75.05	PL19	-77.4983931	39.05743443
JC2229	4.744647	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	90.62	PL19	-77.49725514	39.05599618
JC2230	3.394908	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	35.24	PL19	-77.50097212	39.05678734
JC2231	17.983025	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	56.61	PL19	-77.49943744	39.05557126
JC227	7.869750	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_GOLF_COURSE	56.14	PL45	-77.51882912	38.90614037
JC2294	0.742686	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.63	PL19	-77.50468585	39.01742232
JC2297	6.489880	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	43.51	PL19	-77.50412862	39.01636237
JC2299	2.978469	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.68	PL19	-77.50407978	39.01792333
JC2306	2.810958	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	MULTI_USE	45.58	PL17	-77.48085541	38.99383787
JC2326	7.231368	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	84.17	PL17	-77.50043081	38.98858956
JC2327	4.432534	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	69.57	PL17	-77.50135157	38.98659754
JC2415	3.576212	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	49.80	PL19	-77.49794859	39.0524413
JC2417	3.252823	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	40.16	PL19	-77.49691425	39.05136149
JC2418	6.415344	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	18.81	PL19	-77.49684577	39.05270204
JC2419	6.689654	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	35.13	PL19	-77.49400495	39.05204125
JC2422	5.551043	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	83.35	PL19	-77.50113309	39.05976569
JC243	2.923416	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	50.76	PL45	-77.51693998	38.90811355
JC2492	0.691598	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.02	PL19	-77.51812821	39.00256818
JC2493	15.211603	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.83	PL19	-77.52052336	39.00245099
JC2494	0.507937	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.07	PL19	-77.51804201	39.00333374
JC2496	3.881794	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	83.16	PL19	-77.5170951	39.00689012
JC2498	0.089702	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.51	PL19	-77.51662714	39.00524908
JC2499	0.752474	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.03	PL19	-77.516216	39.00550884
JC2515	9.423665	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	89.14	PL17	-77.48233408	38.99248442
JC2516	20.950579	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	MULTI_USE	79.40	PL17	-77.48409272	38.99218636
JC2524	14.874180	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	42.62	PL17	-77.50501541	38.98743343

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
JC2527	1.594856	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	78.72	PL17	-77.50280034	38.98703661
JC2563	5.810536	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	85.58	PL17	-77.52008926	38.99063973
JC2565	5.710652	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	66.30	PL17	-77.51984539	38.98939046
JC266	8.523929	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	40.95	PL45	-77.52111945	38.91054853
JC2696	3.854925	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.98	PL19	-77.51757592	39.00840835
JC2702	0.548616	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.25	PL19	-77.46931896	39.0544348
JC2704	14.330495	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	35.66	PL19	-77.46941463	39.05579443
JC2727	29.010101	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	38.02	PL17	-77.48632846	38.99200475
JC2744	9.232897	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	70.05	PL17	-77.50361758	38.98684119
JC2755	6.963961	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	86.42	PL19	-77.49425573	39.04508024
JC2813	3.505816	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	54.00	PL19	-77.50076097	39.06225078
JC2816	0.775725	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	57.06	PL19	-77.50256253	39.06093936
JC2817	7.485383	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	62.99	PL19	-77.50100751	39.05904506
JC2818	0.551159	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	82.38	PL19	-77.49876527	39.06023657
JC2819	2.925652	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	61.37	PL19	-77.4969046	39.06150221
JC2881	1.105382	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	25.33	PL19	-77.51555889	39.00619846
JC2882	3.373760	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	26.44	PL19	-77.51388861	39.00771262
JC2898	2.183457	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.24	PL19	-77.5154432	39.00809302
JC2899	3.533145	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	84.18	PL19	-77.51849214	39.00897189
JC2930	1.251487	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	61.85	PL17	-77.48390949	38.9897806
JC2931	3.610719	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	48.87	PL17	-77.48471646	38.98940849
JC2932	1.547562	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	64.74	PL17	-77.48403534	38.98890885
JC2953	4.499572	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_UNENTITLED	3.34	PL17	-77.50003315	38.99280578
JC2954	2.394493	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	9.21	PL17	-77.49582072	38.99419566
JC2988	8.890581	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.87	PL19	-77.49490301	39.047065
JC2991	0.812082	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.98	PL19	-77.49802036	39.04803281
JC30000	7.312353	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	76.79	PL19	-77.47743094	39.02249965
JC30001	2.090486	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	63.65	PL19	-77.47607262	39.02217147
JC30003	8.859281	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	65.07	PL19	-77.47932031	39.02225871
JC30004	1.202979	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	67.77	PL19	-77.48692142	39.0141448
JC30005	0.182207	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	88.93	PL19	-77.48817202	39.01316968
JC30006	0.326250	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	51.73	PL19	-77.4886437	39.01337727
JC30007	1.203379	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	53.19	PL19	-77.48841374	39.01402922
JC30008	2.342772	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	65.65	PL19	-77.48737489	39.01313132
JC30009	9.880144	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	42.27	PL17	-77.50564748	39.00140245
JC30010	1.456343	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	39.31	PL17	-77.50493754	39.00214232
JC30011	1.578388	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	2.58	PL17	-77.50635407	39.00264684
JC30012	18.030902	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	63.22	PL17	-77.50781785	39.00076619
JC30021	15.639745	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	56.01	PL17	-77.52506751	38.99185842
JC30024	2.980272	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	69.92	PL17	-77.52341502	38.97821813
JC30030	42.744262	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	38.91	PL17	-77.52385562	38.9734523
JC30034	22.224976	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	57.81	PL17	-77.52048167	38.97498822
JC30037	8.161131	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	34.49	PL17	-77.52364506	38.97114055
JC30050	51.123464	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	MULTI_USE	27.23	PL14	-77.53787091	38.98435801
JC30072	1.311042	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	69.49	PL19	-77.46697635	39.05019682
JC30073	11.557162	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	58.66	PL19	-77.4670313	39.04793279
JC30074	3.905119	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	52.75	PL19	-77.46827863	39.05131075
JC30075	3.223840	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_MFA	46.49	PL21	-77.35579424	39.03854399
JC30076	1.054993	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_MFA	60.59	PL21	-77.35544163	39.03919992
JC30077	1.006687	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_MFA	59.20	PL21	-77.35577284	39.03962751
JC30078	1.679662	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	45.05	PL21	-77.35652106	39.03739301
JC30079	9.337485	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	35.24	PL21	-77.35605683	39.03567302
JC30080	0.270074	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	HOA	78.90	PL21	-77.35492121	39.03611321
JC30081	1.813132	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	57.87	PL21	-77.35532189	39.03698505
JC30082	3.462296	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	63.40	PL19	-77.46480647	39.0483591
JC30083	6.019046	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	53.11	PL19	-77.46638098	39.0449143
JC3017	3.227312	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	43.74	PL19	-77.50291603	39.06213468
JC3018	7.029122	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	54.06	PL19	-77.50159972	39.06335181
JC30196	16.734932	20700080301	No	Chesapeake Bay	South Fork Catactin Creek	RES_SFD	69.85	PL02	-77.6574808	39.1350759
JC30198	0.875785	20700080301	No	Chesapeake Bay	South Fork Catactin Creek	RES_SFD	49.51	PL02	-77.65905612	39.13630751

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
JC30199	7.144229	20700080301	No	Chesapeake Bay	South Fork Catactin Creek	RES_SFD	59.63	PL02	-77.6599466	39.13565797
JC3021	6.869524	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	48.32	PL19	-77.50157343	39.06579744
JC30217	6.616518	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	55.10	PL45	-77.52878526	38.92258191
JC30219	0.631830	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	31.74	PL45	-77.53328248	38.92159386
JC30220	7.594620	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	56.69	PL45	-77.536056	38.92105422
JC30221	1.558564	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	62.67	PL45	-77.53430895	38.92211329
JC30222	2.406770	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	95.01	PL45	-77.53429773	38.92070957
JC30224	0.776693	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	85.05	PL45	-77.5288152	38.92307524
JC30226	2.443920	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	62.73	PL17	-77.58408524	38.95111382
JC30227	5.844127	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	40.24	PL17	-77.58629746	38.95184297
JC30228	3.594312	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	69.95	PL17	-77.59029178	38.95194664
JC30229	16.688118	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	63.78	PL17	-77.59502204	38.95194866
JC3023	2.412332	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	48.40	PL19	-77.49981169	39.06348177
JC30230	1.581065	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	58.58	PL17	-77.60212544	38.9518785
JC30231	4.156102	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	79.14	PL17	-77.60708731	38.94986258
JC30233	17.413200	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	79.47	PL17	-77.5988549	38.94634695
JC30234	5.224191	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	76.90	PL17	-77.59772734	38.9450465
JC30236	1.209800	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	66.37	PL17	-77.59215475	38.94823997
JC30243	83.552069	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	48.64	PL42	-77.55767474	38.91980185
JC30244	8.361722	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	52.77	PL42	-77.56196821	38.91454438
JC30247	1.111267	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	52.32	PL42	-77.56055599	38.91226678
JC30258	9.704087	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	89.64	PL18	-77.42974539	38.99610075
JC30260	23.900870	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	41.12	PL42	-77.54687942	38.91297423
JC30262	13.043480	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	62.85	PL45	-77.47928516	38.90826183
JC30263	3.265506	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	61.06	PL45	-77.5118973	38.91226458
JC3093	0.397717	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.78	PL19	-77.48770698	39.02716481
JC3094	49.174284	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.78	PL19	-77.49148225	39.02649417
JC3096	10.208202	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	55.45	PL19	-77.49084928	39.02424101
JC3098	6.433624	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	96.00	PL19	-77.49236751	39.02144007
JC3106	6.801797	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.68	PL19	-77.47035724	39.05736516
JC3107	27.603158	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	61.55	PL19	-77.47171883	39.06002923
JC3125	0.636911	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	56.03	PL17	-77.48334386	38.98849719
JC3126	1.012777	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	53.79	PL17	-77.48389664	38.98834763
JC3127	2.498038	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	53.64	PL17	-77.48486663	38.98839201
JC3155	11.369092	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	69.74	PL17	-77.49797941	38.98877665
JC3157	1.571002	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	76.61	PL17	-77.49677321	38.98757196
JC3199	13.013317	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.04	PL19	-77.49752596	39.04582428
JC3213	7.029827	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	64.85	PL16	-77.50884719	39.10465509
JC3214	1.552880	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	52.57	PL16	-77.50934143	39.10624975
JC3243	4.384357	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	52.81	PL19	-77.50455818	39.05933365
JC3246	1.802289	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	57.20	PL19	-77.50449935	39.05850508
JC3248	5.123601	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	66.22	PL19	-77.5044526	39.06103995
JC3249	4.834247	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	31.21	PL19	-77.50185896	39.05834085
JC3250	1.710665	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	44.88	PL19	-77.49199598	39.05363054
JC3306	0.821414	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.00	PL19	-77.4721848	39.05737299
JC3321	5.310475	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	47.11	PL17	-77.4865977	38.98918864
JC3323	2.415188	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	54.28	PL17	-77.48747265	38.98941483
JC3362	0.465572	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run			PL17	-77.51124467	38.98933588
JC3364	14.586185	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	55.91	PL17	-77.5119738	38.98895554
JC3373	11.443359	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	75.42	PL17	-77.52668038	38.98049156
JC3394	3.849981	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	68.46	PL16	-77.51092455	39.10558088
JC3395	6.217337	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	60.24	PL16	-77.51300554	39.10752832
JC3396	2.004240	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	81.10	PL16	-77.51219037	39.10825972
JC3397	1.536776	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	57.89	PL16	-77.51116735	39.10817021
JC3398	2.784310	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	87.16	PL16	-77.51272736	39.10898293
JC3454	0.946859	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	39.81	PL19	-77.49251374	39.05298118
JC3455	0.230234	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_GOLF_COURSE	5.07	PL19	-77.49035102	39.05399466
JC3457	1.049639	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	75.42	PL19	-77.49259816	39.05113006
JC3458	8.163494	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	27.60	PL19	-77.49047282	39.05220267
JC3459	1.838879	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	71.78	PL19	-77.49077828	39.05110675

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
JC3460	2.209989	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	66.66	PL19	-77.49403484	39.05082175
JC3461	0.522356	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	94.26	PL19	-77.49404081	39.05125212
JC3531	2.853876	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	44.37	PL17	-77.49446349	38.99263688
JC3568	1.835542	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	58.56	PL16	-77.51520365	39.10931244
JC3569	1.481150	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	64.10	PL16	-77.5143992	39.110352
JC3570	10.869541	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	75.68	PL16	-77.51469755	39.107712
JC3639	16.697060	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	37.77	PL19	-77.48414323	39.05775788
JC3641	8.920487	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	51.97	PL19	-77.48394071	39.06016007
JC3643	12.011211	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.86	PL19	-77.48320449	39.06122116
JC3644	0.503446	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	95.64	PL19	-77.48107512	39.05921076
JC3706	5.443568	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.66	PL19	-77.4728067	39.05824185
JC3726	7.195843	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	24.80	PL17	-77.4858644	38.99472233
JC3758	13.798920	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	79.80	PL17	-77.51014488	38.98767812
JC3759	6.567967	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	84.16	PL17	-77.50802012	38.98643696
JC378	1.157312	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	61.24	PL19	-77.48756521	39.02998378
JC3909	1.450875	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.48583453	39.05772063
JC3926	2.573588	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	0.04	PL17	-77.49017221	38.994499
JC3927	0.200808	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run			PL17	-77.48714831	38.99476992
JC3929	0.939650	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	78.65	PL17	-77.4895503	38.99376806
JC3930	1.599957	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	33.32	PL17	-77.49009614	38.99419648
JC3931	1.207475	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	50.41	PL17	-77.48832945	38.99323911
JC3951	1.027013	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	49.22	PL17	-77.50707187	38.98913109
JC3961	4.520400	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	85.20	PL17	-77.51143426	38.98483776
JC3982	35.146156	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	39.76	PL16	-77.52186496	39.10495739
JC3992	17.718966	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	49.35	PL17	-77.52639599	38.97881647
JC4046	0.575351	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	47.78	PL19	-77.48151673	39.05955113
JC4108	2.491162	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.46623455	39.0582439
JC4122	1.313017	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	57.47	PL17	-77.48826911	38.99385785
JC4123	2.083077	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	51.17	PL17	-77.48832635	38.99251135
JC4127	0.714801	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	72.39	PL17	-77.52228958	38.98465763
JC4157	2.868496	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	50.78	PL17	-77.49024554	38.99348653
JC4158	1.526175	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	52.00	PL17	-77.49030418	38.99274539
JC4159	0.583031	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	52.30	PL17	-77.48904989	38.99236132
JC4183	18.289994	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	73.65	PL17	-77.51331943	38.98705022
JC4184	2.814328	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	83.39	PL17	-77.51094362	38.98583269
JC4185	20.989063	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	32.61	PL17	-77.52475376	38.98512273
JC419	7.240849	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	43.37	PL19	-77.48579791	39.03294544
JC4200	3.875956	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	65.05	PL16	-77.51186173	39.10474981
JC4201	1.038278	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	63.16	PL16	-77.51437232	39.10535781
JC4202	0.329393	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	0.53	PL16	-77.51510341	39.10615776
JC4203	36.877501	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	51.83	PL16	-77.51849871	39.10430552
JC4208	37.884169	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	63.70	PL17	-77.5259289	38.9766096
JC4210	5.788570	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	84.00	PL17	-77.52186002	38.97706258
JC4211	9.706881	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	77.49	PL17	-77.52042312	38.97736725
JC4212	2.593555	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	63.07	PL17	-77.52116193	38.97800158
JC424	1.310612	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.87	PL19	-77.48569	39.03464135
JC427	0.975605	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.63	PL19	-77.48789745	39.03444662
JC430	0.809108	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.88	PL19	-77.48713816	39.03494156
JC4323	15.176684	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	61.84	PL17	-77.52319674	38.98636854
JC4324	90.169703	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	28.43	PL17	-77.52840898	38.98808961
JC433	1.863135	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.55	PL19	-77.48914684	39.03457079
JC4344	1.304266	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	54.76	PL17	-77.48882134	38.99200139
JC4345	4.262041	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	57.36	PL17	-77.48864782	38.9910521
JC4346	1.468971	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	57.47	PL17	-77.48920245	38.99026671
JC4347	1.391922	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	55.47	PL17	-77.4885175	38.99004103
JC4348	1.243982	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	51.13	PL17	-77.4891313	38.99158215
JC4349	0.546079	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	59.38	PL17	-77.49040595	38.99237326
JC436	2.273192	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.72	PL19	-77.49075742	39.03487888
JC4384	3.931920	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	63.22	PL17	-77.52736456	38.98222332
JC4420	1.684578	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	62.13	PL16	-77.51943618	39.10137396

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
JC4422	16.778754	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	52.96	PL16	-77.50811317	39.11033539
JC4423	0.972747	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	71.91	PL16	-77.50550154	39.10828836
JC4425	1.203847	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	58.39	PL17	-77.53005689	38.98033535
JC4431	26.802647	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	61.38	PL17	-77.51750491	38.97785613
JC447	0.565276	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	8.94	PL19	-77.48627246	39.03872531
JC4512	14.161597	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	45.73	PL16	-77.50872259	39.10246028
JC4522	4.145243	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	65.78	PL17	-77.52425205	38.98044533
JC4523	0.219817	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	77.59	PL17	-77.52424343	38.98145714
JC4525	1.024415	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	72.56	PL17	-77.52294655	38.98201747
JC4526	0.809906	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	90.70	PL17	-77.5235505	38.98213848
JC4546	0.733944	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	56.24	PL17	-77.49103086	38.99244023
JC4547	4.875942	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	48.60	PL17	-77.49156825	38.99350798
JC4548	15.840970	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	84.42	PL17	-77.49326154	38.99618656
JC458	2.961613	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.24	PL19	-77.48663305	39.03807944
JC4620	0.690425	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	56.87	PL16	-77.5111985	39.11062982
JC4621	1.580378	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	50.44	PL16	-77.51072388	39.11039558
JC4622	1.399074	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	52.02	PL16	-77.51027147	39.11002168
JC4623	1.419157	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	46.75	PL16	-77.50973909	39.10976717
JC4624	33.987644	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	40.14	PL16	-77.50480398	39.11009828
JC4635	17.646546	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	59.45	PL14	-77.53171836	39.02610394
JC4639	2.924589	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	98.53	PL19	-77.46957033	39.01976793
JC4640	1.424693	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	80.21	PL19	-77.47023709	39.02037163
JC468	3.790721	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	84.29	PL19	-77.48622048	39.03708289
JC4723	2.532645	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	70.85	PL17	-77.5228151	38.98264365
JC4725	0.364994	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	56.36	PL17	-77.52193764	38.98224673
JC474	1.495385	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	57.04	PL19	-77.48786135	39.03669372
JC4741	8.227230	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	80.90	PL17	-77.49973107	38.98723334
JC4742	1.213582	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	38.51	PL17	-77.49330262	38.99235399
JC4743	1.437636	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	97.38	PL17	-77.49366777	38.9925626
JC4744	6.519230	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	75.05	PL17	-77.49405566	38.99504598
JC478	1.507599	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	81.55	PL19	-77.48852989	39.03668389
JC4815	1.266071	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	59.84	PL16	-77.50942892	39.10935947
JC4816	2.265880	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	44.30	PL16	-77.512507	39.11165552
JC4817	13.535087	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	56.12	PL16	-77.51076239	39.11171155
JC4818	3.015591	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	59.86	PL16	-77.51322635	39.1124336
JC4819	0.278612	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	53.82	PL16	-77.51393256	39.11220699
JC484	0.969436	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	35.24	PL19	-77.49001245	39.03744183
JC4879	3.419353	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	81.34	PL19	-77.47959499	39.02135571
JC4880	3.096882	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	20.33	PL19	-77.48078713	39.02176193
JC4881	1.238927	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	21.36	PL19	-77.48114297	39.0212391
JC491	1.530140	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.49076772	39.03810894
JC4914	1.165882	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	71.11	PL17	-77.49186458	38.99115301
JC4923	1.250644	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	60.22	PL17	-77.49943538	38.98572569
JC4925	1.617904	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	77.62	PL17	-77.49815978	38.9869059
JC4949	33.778733	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	65.16	PL17	-77.53119414	38.97936462
JC4997	4.312025	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	HOA	52.28	PL05	-77.49486166	39.10894026
JC4998	1.775517	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	HOA	54.52	PL05	-77.49607292	39.10967224
JC501	2.624824	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	92.52	PL19	-77.4913166	39.0388862
JC5054	1.604894	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	9.56	PL19	-77.48189808	39.01989402
JC5055	3.537472	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	8.32	PL19	-77.48382231	39.01654867
JC5107	11.614203	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	57.91	PL16	-77.5069365	39.10230618
JC5115	1.333412	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	73.67	PL17	-77.49245471	38.99177424
JC5118	39.514429	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	67.80	PL17	-77.49478817	38.99020217
JC5119	1.133174	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	58.28	PL17	-77.49191296	38.99033332
JC5126	5.255233	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	72.03	PL17	-77.50884297	38.98568705
JC516	13.556002	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	66.60	PL19	-77.48978224	39.03937029
JC517	6.534160	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	44.52	PL19	-77.50732551	39.04408293
JC5202	1.602193	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	69.21	PL16	-77.50290633	39.10049918
JC5203	2.159907	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	81.19	PL16	-77.50204724	39.10008812
JC5204	1.066424	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	64.68	PL16	-77.49955368	39.0987022

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
JC5345	1.910791	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	70.50	PL17	-77.52297575	38.98041622
JC5346	61.511343	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	41.76	PL17	-77.52995908	38.98478449
JC5371	4.556555	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	74.71	PL17	-77.52917017	38.98239859
JC5404	4.339915	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFA	69.20	PL05	-77.49589104	39.11123917
JC5457	0.204792	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	31.55	PL19	-77.50326048	39.06169851
JC5463	0.299308	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	64.81	PL19	-77.50234081	39.06226995
JC5514	7.778636	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	57.14	PL16	-77.50506979	39.10124867
JC5517	8.732955	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	79.03	PL16	-77.50434724	39.10204812
JC552	2.437943	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	56.29	PL19	-77.50582899	39.04421856
JC5531	2.575348	20700080901	No	Chesapeake Bay	Chesapeake Bay	RES_SFD	61.89	PL17	-77.49657782	38.99212899
JC5532	2.520422	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	68.08	PL17	-77.49787993	38.99134181
JC5533	1.476624	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	98.76	PL17	-77.4959598	38.99230044
JC5534	1.740566	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	68.12	PL17	-77.49533605	38.99243781
JC556	2.457789	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	72.57	PL19	-77.50448644	39.04424599
JC5566	4.293488	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	45.51	PL17	-77.53406069	38.98463369
JC5567	0.224046	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	37.72	PL17	-77.52105096	38.98899338
JC5570	1.451630	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	60.90	PL16	-77.51368112	39.10915924
JC5578	5.639042	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	70.74	PL16	-77.50085594	39.09848146
JC5579	0.238787	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	46.34	PL16	-77.50174093	39.09747151
JC5580	4.308992	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	65.50	PL16	-77.50327022	39.0971356
JC5637	2.589603	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_CHURCH	24.87	PL19	-77.46235107	39.05657501
JC5638	3.290892	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	35.67	PL19	-77.46290684	39.05500165
JC5639	0.522472	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.4639868	39.05579507
JC5644	7.987150	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	14.62	PL19	-77.5016937	39.06595124
JC566	4.546579	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	66.37	PL19	-77.50518262	39.04499628
JC5672	64.151330	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	26.86	PL20	-77.49204974	39.09144758
JC5677	10.652081	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	55.00	PL20	-77.48212933	39.09493174
JC5713	2.064571	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	80.71	PL16	-77.50598712	39.10331149
JC5729	1.274443	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	93.81	PL17	-77.49475419	38.99246799
JC5733	2.914476	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	74.15	PL17	-77.49887847	38.99218917
JC5735	12.689037	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	64.95	PL17	-77.49993077	38.99055238
JC5736	1.166716	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	26.58	PL17	-77.5008511	38.99173303
JC5759	5.987940	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	83.53	PL17	-77.52174169	38.99033225
JC5763	15.558558	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	64.53	PL17	-77.52263318	38.99271083
JC5773	1.043135	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	61.26	PL16	-77.49959023	39.09756631
JC5774	7.909715	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	75.94	PL16	-77.50457735	39.09543859
JC5775	4.104015	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	78.55	PL16	-77.50174871	39.09580742
JC583	28.297086	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	46.12	PL19	-77.50954483	39.04547708
JC5832	0.487928	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	3.49	PL19	-77.46468986	39.05614161
JC5833	22.456372	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	21.22	PL19	-77.46723451	39.05680954
JC5845	3.473650	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	20.11	PL19	-77.50291388	39.06021748
JC5846	0.060746	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	82.48	PL19	-77.50304603	39.05899706
JC5870	11.351248	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	38.51	PL20	-77.48118033	39.09312151
JC5871	10.036740	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	46.65	PL20	-77.48332321	39.09645026
JC5872	45.071030	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	32.71	PL16	-77.48644425	39.09585605
JC589	8.571524	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	39.97	PL19	-77.50507038	39.04215632
JC5893	14.899412	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	43.39	PL19	-77.48659727	39.05536887
JC5894	2.952632	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.30	PL19	-77.49034092	39.05528335
JC5896	5.195860	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.28	PL19	-77.49350503	39.0534249
JC5913	10.538807	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	84.84	PL17	-77.48206609	38.993767
JC5937	2.091910	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	68.61	PL17	-77.50104502	38.98974987
JC5985	20.392810	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	78.12	PL17	-77.52397164	38.99452113
JC5988	1.391612	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	74.08	PL17	-77.52021858	38.99423676
JC5999	1.711885	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_HOTEL	79.98	PL17	-77.48272655	38.99740061
JC600	1.333924	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	51.46	PL19	-77.50614939	39.04227153
JC6001	12.782472	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	72.51	PL17	-77.48366492	38.99876096
JC6002	1.084073	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_HOTEL	1.35	PL17	-77.48307495	38.99633012
JC6017	8.404714	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.46965319	39.06201938
JC6020	22.291739	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	72.21	PL19	-77.47861953	39.01697097
JC6021	30.192565	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	56.04	PL19	-77.47681328	39.01531947

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
JC6023	2.816577	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	38.33	PL19	-77.49120091	39.0542069
JC603	0.977825	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	13.86	PL19	-77.50663315	39.04297128
JC6248	6.276704	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	COM_OTHER_NON_PUBLIC	44.96	PL42	-77.55068922	38.92696094
JC625	2.926897	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.43	PL19	-77.50231123	39.04045066
JC6299	8.163637	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.03	PL45	-77.53428766	38.90970494
JC6302	1.259087	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	73.55	PL45	-77.53753427	38.90746478
JC6303	3.259091	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	81.16	PL45	-77.53538061	38.90667547
JC6304	2.866181	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	80.03	PL45	-77.53348609	38.90682046
JC644	23.214575	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.57	PL19	-77.50083426	39.04173772
JC6484	30.552283	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	41.63	PL45	-77.51551214	38.90534617
JC6485	3.743743	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	70.64	PL45	-77.51316324	38.90699794
JC6488	32.056622	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	27.82	PL45	-77.51358475	38.90381921
JC651	1.158753	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.90	PL19	-77.50290062	39.04355065
JC6522	5.450309	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	71.35	PL45	-77.50359245	38.91152511
JC6545	3.258784	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	73.88	PL45	-77.4993757	38.91173414
JC6548	5.229934	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	58.59	PL45	-77.50316394	38.91318228
JC6549	1.881497	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	48.76	PL45	-77.50127754	38.91093712
JC6550	14.489251	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	78.12	PL45	-77.50145928	38.90994396
JC657	3.216257	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	81.47	PL19	-77.50198825	39.04303366
JC661	9.946107	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	77.13	PL19	-77.49956496	39.04035645
JC6646	1.094964	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	50.78	PL45	-77.49692021	38.9068284
JC6646	0.000068	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run			PL45	-77.49637078	38.90704841
JC6669	1.025121	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	49.20	PL45	-77.50557834	38.90531738
JC6671	41.379302	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	47.56	PL45	-77.50244022	38.90569322
JC6673	5.355135	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	55.05	PL45	-77.49805164	38.9065349
JC6674	0.131242	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	63.19	PL45	-77.49824806	38.90549396
JC6675	1.104772	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	94.65	PL45	-77.49832539	38.90575634
JC6677	2.686705	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.42	PL45	-77.4967916	38.9050916
JC6720	2.547893	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	69.37	PL45	-77.48314369	38.90611469
JC6823	3.805717	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	70.96	PL45	-77.49016586	38.90420044
JC6825	14.179097	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	75.43	PL45	-77.4876482	38.90522288
JC6829	2.010043	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	55.82	PL45	-77.48177387	38.90482529
JC6830	21.538689	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	59.71	PL45	-77.48301543	38.90320757
JC6831	11.288179	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	51.75	PL45	-77.48495063	38.90367205
JC6832	9.702223	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	70.21	PL45	-77.48771003	38.90298369
JC696	3.132580	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.11	PL19	-77.51236712	39.04511344
JC699	4.555420	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.27	PL19	-77.51045354	39.04412283
JC70047	0.267527	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run			PL42	-77.55858805	38.91261729
JC701	1.398501	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.97	PL19	-77.51344733	39.04525669
JC702	8.040351	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.27	PL19	-77.51484077	39.04444288
JC722	26.515488	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	59.03	PL19	-77.51811578	39.04288714
JC724	0.460110	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	19.31	PL19	-77.51516421	39.04385159
JC728	3.979066	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	89.59	PL19	-77.51314426	39.04248644
JC735	17.659889	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.71	PL19	-77.51383129	39.04228835
JC75	12.515231	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	43.58	PL45	-77.52518956	38.9114323
JC758	3.609397	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.50897595	39.04816121
JC76	23.072846	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	42.49	PL45	-77.52619318	38.91032488
JC763	6.052669	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.50895086	39.04701012
JC765	18.141270	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	97.52	PL19	-77.50812389	39.04995629
JC804	14.491216	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	99.24	PL19	-77.51038315	39.04911495
JC807	3.678395	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.51094098	39.04698837
JC836	5.439110	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	12.33	PL19	-77.51730101	39.0452437
JC896	5.724509	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.39	PL19	-77.510253	39.04207044
JC897	4.998658	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	75.23	PL19	-77.50756366	39.04207893
JC921	11.876015	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	52.27	PL19	-77.50960408	39.04101547
JC923	2.978847	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	58.49	PL19	-77.50940518	39.04014469
JC937	1.431865	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	57.66	PL19	-77.51011494	39.03993891
JC939	1.488172	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	79.04	PL19	-77.50696338	39.04090848
JC943	3.777048	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	64.42	PL19	-77.50546271	39.04109066
JC950	0.901312	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	63.73	PL19	-77.50442042	39.04091064

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
JC958	3.469775	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	23.05	PL19	-77.50356017	39.04083967
JC963	10.419615	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	13.48	PL19	-77.50402986	39.03655906
JH1	1.183950	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	57.46	PL19	-77.51349765	39.05081083
KD30009	2.670082	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	62.72	PL17	-77.58379605	38.95167457
KD30012	2.793529	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	84.97	PL17	-77.60590048	38.95109179
KD30013	4.331235	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	48.87	PL17	-77.60332898	38.9451775
KD30015	4.570514	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	60.52	PL42	-77.60664466	38.94463275
KD30018	8.619738	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	54.37	PL17	-77.58880959	38.94847987
KD30019	6.383393	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	78.66	PL17	-77.58601897	38.94804378
KS0122	6.353070	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	57.66	PL16	-77.49532504	39.0715132
KS0134	2.669111	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	PUBLIC	40.81	PL17	-77.54978266	38.93815546
KS0137	1.805035	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	73.37	PL19	-77.44959855	39.01935144
KS0139	0.962869	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_GOLF_COURSE	3.06	PL19	-77.44913375	39.01915825
KS0141	3.377106	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	80.12	PL19	-77.44905409	39.02020622
KS0146	0.524641	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	0.28	PL20	-77.42213845	39.05319286
KS0203	5.030057	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.12	PL19	-77.46561532	39.02733651
KS0226	1.798543	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	77.30	PL45	-77.48674649	38.90766946
KS0261	1.585461	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	20.43	PL19	-77.44088705	39.04918653
KS0364	0.923368	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	MISC	98.63	PL42	-77.56978973	38.89638428
KS0365	1.058345	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	MISC	98.91	PL42	-77.5697612	38.89673083
KS0366	0.486525	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	MISC	83.60	PL42	-77.56979199	38.89703789
KT10099	13.125912	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	50.51	PL16	-77.49062394	39.07869905
KT10191	6.821384	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	MULTI_USE	83.60	PL17	-77.50538931	38.99535704
KT10197	2.075408	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	MULTI_USE	55.97	PL17	-77.50615029	38.99473207
KW102	4.099251	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	74.17	PL45	-77.53652487	38.907722
KW109	1.091081	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	94.83	PL20	-77.48325049	39.08138284
KW114	29.901182	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	32.20	PL16	-77.49684716	39.10509374
KW12	2.089492	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	87.43	PL20	-77.40089488	39.04470708
KW120	2.575591	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	76.30	PL16	-77.50223829	39.10604171
KW131	1.409570	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	51.26	PL19	-77.42320558	39.00996813
KW201	5.291086	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	73.11	PL16	-77.49839788	39.10256757
KW264	15.448032	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.74	PL19	-77.52063668	39.00571436
KW298	0.731615	20700080902	No	Chesapeake Bay	Horsepen Run	COM_RETAIL	100.00	PL18	-77.43613462	38.97843512
KW301	5.204800	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	76.04	PL16	-77.48980551	39.10159727
KW351	4.877132	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.93	PL19	-77.42401041	39.01514305
KW353	15.520285	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	20.77	PL19	-77.42919183	39.01013087
KW363	0.237128	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	84.23	PL19	-77.49024754	39.03379683
KW40	10.939734	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	51.30	PL20	-77.39019411	39.02554745
KW406	11.141990	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	98.92	PL17	-77.55995025	38.93655694
KW434	1.709578	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	80.57	PL45	-77.53196908	38.91173926
KW438	1.873022	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	57.20	PL45	-77.5241227	38.90382241
KW464	16.719137	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_CHURCH	27.17	PL19	-77.48373976	39.06843727
KW487	0.220428	20700080703	Yes	Goose Creek (Benthic), Chesapeake Bay	Sycolin Creek			PL15	-77.58841249	39.08547994
KW494	0.507885	20700080703	Yes	Goose Creek (Benthic), Chesapeake Bay	Sycolin Creek	MULTI_USE	56.49	PL15	-77.58890089	39.0848102
KW570	18.175021	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	43.01	PL45	-77.49489519	38.91234139
KW88	2.854034	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	100.00	PL21	-77.37210593	39.02907695
KX0006	8.409456	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	39.20	PL17	-77.50789616	38.97640066
MD104	7.632634	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	72.76	PL20	-77.4132619	39.03492232
MD109	2.254863	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	77.04	PL20	-77.41283399	39.03350124
MD114	4.368042	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	89.78	PL20	-77.41288509	39.03246132
MD1246	0.454876	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.69	PL19	-77.42633982	39.04620391
MD126	1.697577	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	VACANT_UNENTITLED	88.65	PL20	-77.41316589	39.03132146
MD1265	3.039116	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.63	PL19	-77.42639692	39.04753881
MD1269	1.161734	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_CHURCH	100.00	PL19	-77.42764761	39.04625206
MD1281	7.773717	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.05	PL19	-77.42775726	39.047308
MD130	68.938016	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	81.43	PL20	-77.40975881	39.02840738
MD1334	1.593516	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	71.12	PL19	-77.42547756	39.0445452
MD1344	5.696453	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	61.11	PL19	-77.42552342	39.04725174
MD1353	0.784016	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	59.11	PL19	-77.4248674	39.04573882
MD1355	1.831668	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	52.08	PL19	-77.42436392	39.0460562

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
MD1360	2.874886	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	40.75	PL19	-77.42495609	39.04428376
MD1366	13.450062	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	36.08	PL19	-77.42357933	39.04712737
MD1435	0.556290	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.42321765	39.0451991
MD1441	9.338992	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	36.17	PL19	-77.42114031	39.04642109
MD1444	2.762268	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.42401341	39.04397465
MD1452	0.081514	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	99.86	PL19	-77.42518897	39.04352648
MD1550	106.033762	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	39.19	PL19	-77.41927364	39.04200458
MD164	6.611766	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	68.12	PL20	-77.40891904	39.03261379
MD1641	20.671643	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	55.75	PL20	-77.420682	39.04873803
MD1667	19.487509	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	37.01	PL18	-77.44000737	38.98728871
MD1678	1.958931	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	28.76	PL18	-77.44348632	38.9839924
MD1684	0.229927	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.44405279	38.98329944
MD1687	1.943789	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.44468523	38.98436149
MD1689	1.097415	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.44441938	38.98475521
MD1692	1.112213	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	39.13	PL18	-77.44423392	38.98500132
MD1697	4.528241	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	70.63	PL18	-77.44363694	38.98543885
MD1701	12.581505	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	81.84	PL18	-77.44594589	38.98790467
MD1748	104.848607	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	56.96	PL18	-77.44204672	38.99105474
MD1751	1.341613	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	91.78	PL18	-77.44428703	38.98726639
MD178	6.287013	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_HOTEL	43.28	PL20	-77.4100111	39.03227567
MD1782	2.120724	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	99.73	PL18	-77.44493442	38.98640794
MD1784	0.771348	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.44561637	38.98550034
MD1910	1.428731	20700080902	No	Chesapeake Bay	Horsepen Run	MULTI_USE	32.62	PL18	-77.45182736	38.98675153
MD1911	78.085456	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	45.31	PL18	-77.4494763	38.98925599
MD1929	14.978096	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	97.57	PL18	-77.4479679	38.98496356
MD1937	4.122614	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	17.89	PL18	-77.44943584	38.9845283
MD1960	1.285623	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	99.89	PL18	-77.44345839	38.98356055
MD1965	0.571430	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.44762977	38.98145049
MD1971	7.419602	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	89.95	PL18	-77.44663007	38.98077212
MD1987	4.618544	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	99.96	PL18	-77.44945944	38.98060392
MD1993	5.251525	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	89.05	PL18	-77.44875778	38.98001519
MD200	1.621053	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	100.00	PL20	-77.41353391	39.02919813
MD2001	14.205961	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	87.26	PL18	-77.44717162	38.9789922
MD2036	3.959840	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	99.09	PL18	-77.44505809	38.97900981
MD204	0.432473	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	VACANT_UNENTITLED	4.74	PL20	-77.41255613	39.02945224
MD206	2.737056	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	75.11	PL20	-77.41246589	39.0283466
MD2064	0.317952	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	14.01	PL18	-77.44578647	38.98206007
MD2079	4.503469	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	57.73	PL18	-77.44271211	38.98116823
MD2095	11.222144	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	94.31	PL18	-77.44116454	38.98039293
MD2103	0.540638	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	26.04	PL18	-77.4389691	38.9799077
MD218	1.795463	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	100.00	PL20	-77.41397777	39.02888198
MD222	1.948401	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	99.89	PL20	-77.41369433	39.02839914
MD2242	3.329528	20700080902	No	Chesapeake Bay	Horsepen Run	MISC	85.22	PL18	-77.43902209	38.97876739
MD225	0.974567	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	100.00	PL20	-77.41388349	39.02805565
MD2255	3.448489	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	100.00	PL18	-77.43777319	38.9801475
MD2264	3.014648	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	100.00	PL18	-77.43857488	38.98126774
MD2276	2.723669	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	50.66	PL18	-77.43914216	38.9818372
MD2278	0.421046	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.44001708	38.98215203
MD2280	0.451436	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.44002585	38.98180825
MD2282	1.073037	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.4395107	38.9824507
MD2301	2.263719	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	92.55	PL18	-77.4376828	38.98318875
MD2306	4.397513	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	98.72	PL18	-77.43682293	38.9823335
MD231	1.873026	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	100.00	PL20	-77.41404942	39.02772408
MD232	54.950717	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	43.39	PL20	-77.41211692	39.02531363
MD2323	3.678803	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	85.45	PL18	-77.43830791	38.98251559
MD2344	15.125270	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	90.76	PL18	-77.4363026	38.98069661
MD2365	11.048130	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	71.78	PL18	-77.434349	38.98282162
MD25	2.920342	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	54.92	PL19	-77.41903242	39.02997677
MD2511	0.308840	20700080902	No	Chesapeake Bay	Horsepen Run	HOA	1.35	PL18	-77.43566129	38.98332619
MD2524	4.463671	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	100.00	PL18	-77.43336233	38.98292865

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
MD2533	0.673904	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	100.00	PL18	-77.4337037	38.98172799
MD2536	2.643379	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	81.52	PL18	-77.4321427	38.9823921
MD2537	2.126645	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	69.53	PL18	-77.43385097	38.98100669
MD2540	0.210365	20700080902	No	Chesapeake Bay	Horsepen Run	COM_RETAIL	8.61	PL18	-77.4333371	38.98152231
MD2572	4.712174	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	90.45	PL18	-77.43008476	38.98202099
MD2585	5.758903	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	100.00	PL18	-77.43112057	38.98249767
MD2588	1.206631	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	54.50	PL18	-77.43216357	38.98352907
MD2589	1.077424	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	14.79	PL18	-77.4309807	38.98460581
MD2593	1.284001	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	53.17	PL18	-77.4323405	38.98433085
MD2595	1.560276	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	93.21	PL18	-77.4311455	38.98498348
MD2612	4.002715	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	92.87	PL18	-77.43154886	38.98560782
MD2622	28.087887	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	68.39	PL18	-77.44157047	38.97843191
MD2626	8.949353	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	54.81	PL18	-77.43130494	38.98614969
MD2631	2.407405	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	93.94	PL18	-77.43206473	38.98721527
MD2647	1.129829	20700080902	No	Chesapeake Bay	Horsepen Run	COM_RETAIL	65.28	PL18	-77.43553335	38.97832332
MD2649	1.329225	20700080902	No	Chesapeake Bay	Horsepen Run	COM_RETAIL	87.83	PL18	-77.43505569	38.97844189
MD2650	40.444155	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	21.33	PL18	-77.42943622	38.97982253
MD2652	4.246011	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	67.99	PL18	-77.43352117	38.97837743
MD2663	2.761104	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	92.64	PL18	-77.43197174	38.97793055
MD2671	0.661454	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	100.00	PL18	-77.4311361	38.97753559
MD2689	5.378748	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	58.93	PL18	-77.4335809	38.97748085
MD2708	1.357119	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	99.82	PL19	-77.4515756	38.99166382
MD2788	3.022221	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.45024726	38.99445004
MD2789	3.076018	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	99.76	PL19	-77.4499283	38.99342911
MD2813	15.765731	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	74.06	PL19	-77.45214789	38.99416201
MD2831	8.343042	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	55.26	PL19	-77.45302583	38.99625398
MD2833	1.591637	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.45426318	38.99758434
MD2838	4.338157	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	99.75	PL19	-77.45364082	38.99783575
MD2839	6.405308	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.45486721	38.99915951
MD2883	2.079485	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	31.06	PL19	-77.45272956	39.00110258
MD2884	30.592097	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	35.52	PL19	-77.45165485	38.99922759
MD2891	58.897125	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	53.98	PL19	-77.45601206	38.99722313
MD2905	0.645659	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	32.91	PL19	-77.45429198	39.00108589
MD2910	0.635972	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	32.94	PL19	-77.45530386	39.00107627
MD2916	1.209889	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	37.75	PL19	-77.45740901	39.00093071
MD2918	6.977914	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.45431253	39.00041609
MD2925	0.573470	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.45712301	38.99950843
MD2928	1.512167	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.45725273	38.99999877
MD2930	2.085889	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	99.44	PL19	-77.4573934	38.99877524
MD2945	0.973514	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.45726771	39.00055286
MD2959	6.374760	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	73.32	PL19	-77.45824529	38.99980758
MD2961	0.492590	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	1.95	PL19	-77.4581029	38.99689905
MD2966	2.861305	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	74.28	PL19	-77.4494741	39.00052452
MD2972	0.524768	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	19.61	PL19	-77.4498934	39.00145982
MD2981	1.322040	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	52.68	PL19	-77.4492174	39.00138752
MD2982	14.417770	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	79.06	PL19	-77.44829025	39.00310937
MD2984	4.070612	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	95.76	PL19	-77.44673115	39.00139584
MD3003	1.794609	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	63.24	PL19	-77.44564598	39.00081316
MD3098	1.186676	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	100.00	PL19	-77.44553775	39.00534076
MD3099	11.658487	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	65.45	PL19	-77.44574182	39.00303896
MD3102	1.057895	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	22.87	PL19	-77.44350054	39.00543105
MD3103	11.348248	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	92.17	PL19	-77.44714531	39.00491108
MD3104	2.278719	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	91.72	PL19	-77.4469516	39.0063251
MD3109	1.452164	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	32.77	PL19	-77.44654598	39.00727367
MD3128	2.465393	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	26.11	PL19	-77.44770404	39.00632469
MD3164	1.260012	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	43.09	PL19	-77.44463705	39.00436492
MD3166	6.206542	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	98.90	PL19	-77.44181044	39.00515747
MD3190	2.901420	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.44208997	39.00445844
MD3223	2.970101	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	100.00	PL19	-77.44369223	39.00329506
MD3228	8.486660	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	99.97	PL19	-77.44396659	39.00213964

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
MD3230	4.792554	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	97.70	PL19	-77.44324267	39.0012967
MD3261	3.206234	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	100.00	PL19	-77.44451035	39.00370019
MD3262	1.236798	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	5.81	PL19	-77.44385457	39.00047216
MD3268	23.102467	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	83.77	PL19	-77.44338411	38.99709934
MD3273	2.767958	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	42.57	PL19	-77.44320738	38.99910519
MD3332	6.337439	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	53.33	PL19	-77.44601222	38.99816921
MD3337	1.183338	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	73.47	PL19	-77.44718633	38.99896852
MD3339	1.325842	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	72.48	PL19	-77.44670759	38.99955352
MD3344	1.878444	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	72.75	PL19	-77.44854121	38.99946307
MD3353	0.246424	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	100.00	PL19	-77.44657064	38.99757735
MD3374	2.885947	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	99.99	PL19	-77.44382536	38.99459969
MD3375	3.715128	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.4445608	38.99432539
MD3405	0.376297	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	14.95	PL19	-77.4408747	38.99764939
MD3407	2.568072	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	92.86	PL19	-77.43877689	38.99741959
MD3409	0.234438	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.43896874	38.99807535
MD3416	9.920331	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	71.23	PL19	-77.43592249	38.99878675
MD3420	3.464872	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	85.22	PL19	-77.44775318	38.99534397
MD3424	0.129152	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.45006501	38.99652788
MD3425	8.150930	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	83.86	PL19	-77.45106372	38.99603106
MD3428	0.605099	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	34.61	PL19	-77.45052161	38.99691488
MD3430	16.682287	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	79.49	PL19	-77.44657667	38.993643
MD3438	2.467703	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	35.82	PL19	-77.44959599	38.9924855
MD3517	1.577626	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.43757294	39.01161998
MD3527	20.939328	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	79.56	PL19	-77.43756509	39.01025149
MD3550	3.356354	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.43618161	39.0107667
MD3562	6.881226	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	99.23	PL19	-77.43487322	39.01120766
MD3567	1.275018	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.43683418	39.01253127
MD3675	157.378590	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	41.53	PL19	-77.4352023	39.00600773
MD3771	26.643994	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	55.05	PL45	-77.50468618	38.90295227
MD3791	1.261496	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	66.09	PL45	-77.50613432	38.90529747
MD3797	0.407582	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	18.13	PL45	-77.50614297	38.9060897
MD3804	2.258440	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	58.19	PL45	-77.5068603	38.90725962
MD3811	1.853018	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	63.96	PL45	-77.50659133	38.90793418
MD3814	1.724217	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	90.17	PL45	-77.50695668	38.90847498
MD3816	0.213557	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	27.59	PL45	-77.50621222	38.90876691
MD3817	3.746287	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	79.10	PL45	-77.50708062	38.90915848
MD3827	0.251421	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	30.40	PL45	-77.50601537	38.90979084
MD3828	5.018025	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	63.19	PL45	-77.50454345	38.90991967
MD3834	3.061205	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	68.39	PL45	-77.50463288	38.90874782
MD3843	1.389894	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	65.45	PL45	-77.50483759	38.9109215
MD3866	2.704981	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	76.18	PL45	-77.50716021	38.91013622
MD3872	1.162884	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	51.13	PL45	-77.50683963	38.91074844
MD3873	3.589936	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	81.57	PL45	-77.50718308	38.91125724
MD3880	1.712483	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	80.62	PL45	-77.50671574	38.91201119
MD3890	3.580719	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.70	PL45	-77.50705359	38.91260376
MD3892	0.180426	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	23.77	PL45	-77.50594054	38.91276888
MD3893	7.257461	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	61.43	PL45	-77.50686826	38.91372224
MD3907	2.519649	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	29.23	PL45	-77.50672781	38.91474782
MD3931	12.847573	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	68.40	PL45	-77.50669193	38.91674314
MD3960	0.153517	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OFFICE_GENERAL	24.96	PL45	-77.50633332	38.9201084
MD3961	2.553556	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	66.41	PL45	-77.50655954	38.91934195
MD4000	7.581098	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	33.32	PL45	-77.50744758	38.91978523
MD4005	4.700963	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	44.16	PL45	-77.5051805	38.91921017
MD4015	8.010745	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	48.30	PL45	-77.50521631	38.91754928
MD4035	3.812314	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	34.12	PL45	-77.50863227	38.91542665
MD4036	3.825285	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	79.67	PL45	-77.50892846	38.9162426
MD4061	3.226498	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	19.13	PL45	-77.50854311	38.918677
MD4062	8.170800	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	78.47	PL45	-77.50824173	38.91734062
MD4074	0.894253	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	5.73	PL45	-77.51031172	38.91688763
MD4087	3.832310	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	66.96	PL45	-77.50793655	38.90779989

Loudoun County Virginia
Regulated MS4 Outfall Table

FCITD	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
MD4116	3.596161	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	54.27	PL45	-77.50884985	38.91257436
MD4119	2.212382	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	60.40	PL45	-77.50866843	38.91162284
MD4128	3.938376	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	80.31	PL45	-77.5091033	38.91070776
MD4140	7.190671	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	37.17	PL45	-77.49588429	38.91954927
MD4152	11.199359	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	69.01	PL45	-77.50884981	38.90930088
MD4161	2.817593	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	43.36	PL45	-77.51171369	38.91068512
MD4166	0.914035	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	59.11	PL45	-77.51138989	38.91098361
MD4173	1.253038	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	53.73	PL45	-77.5124675	38.91055685
MD4179	1.001155	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	60.25	PL45	-77.51348575	38.91074831
MD4228	35.407439	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	31.09	PL45	-77.51418281	38.91286003
MD4229	0.212733	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	MULTI_USE	18.66	PL45	-77.51479546	38.90976003
MD4303	1.880765	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	24.68	PL45	-77.51174407	38.9133541
MD4307	0.171933	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	0.73	PL45	-77.51037094	38.91317994
MD4310	10.069587	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	54.52	PL45	-77.50890461	38.91392131
MD433	1.352649	20700080904	No	Chesapeake Bay	Selden Island - Potomac River			PL20	-77.40626406	39.03277488
MD435	9.651784	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	37.78	PL20	-77.40730858	39.03238484
MD4363	6.189110	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	81.28	PL45	-77.50240103	38.89228426
MD4383	5.524741	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	76.87	PL45	-77.50253738	38.89467511
MD4404	9.274233	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	74.04	PL45	-77.50257496	38.89600999
MD4427	9.371426	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	71.39	PL45	-77.50287926	38.89777307
MD444	0.802991	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	2.73	PL20	-77.40881878	39.03426477
MD445	1.293926	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	42.93	PL20	-77.41130937	39.03567146
MD4484	17.825140	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	25.03	PL45	-77.52293852	38.91139513
MD450	0.415188	20700080904	No	Chesapeake Bay	Selden Island - Potomac River			PL20	-77.41171855	39.0354049
MD451	2.514953	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	42.85	PL20	-77.41377562	39.03632806
MD479	0.110608	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.42453707	39.04223303
MD486	0.422933	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.42602328	39.04297739
MD491	0.069430	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.42957779	39.04461647
MD497	0.134563	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.43083052	39.04382367
MD500	0.107148	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.43077148	39.04421134
MD501	1.040042	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.42807921	39.04397835
MD507	1.176761	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.4312517	39.03670875
MD508	25.180819	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	49.34	PL19	-77.42993128	39.03591543
MD512	1.262575	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.43127308	39.03265729
MD515	2.390024	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.43028454	39.02906714
MD524	3.746953	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	65.01	PL20	-77.40373209	39.04631546
MD529	2.638143	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	61.48	PL20	-77.40413784	39.04700489
MD537	9.468264	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	73.57	PL20	-77.4061845	39.04650758
MD543	14.823757	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	67.29	PL20	-77.40948676	39.04693489
MD572	24.155700	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	71.55	PL20	-77.40681721	39.04512381
MD611	3.968745	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	43.98	PL20	-77.40582696	39.04028736
MD62	3.522276	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	55.36	PL20	-77.41427049	39.03202225
MD624	15.720709	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	57.69	PL20	-77.40648502	39.04199411
MD631	2.004518	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	65.71	PL20	-77.40387107	39.04302817
MD642	1.777967	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	74.51	PL20	-77.41808448	39.05403944
MD654	3.265052	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	56.22	PL20	-77.41962957	39.05252395
MD660	5.146688	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	46.47	PL20	-77.41822412	39.05277422
MD671	11.041791	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	66.94	PL20	-77.42070976	39.05125984
MD685	7.730644	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	68.81	PL20	-77.42208439	39.05106734
MD765	1.640131	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	64.88	PL20	-77.421541	39.05314715
MD769	1.560774	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	73.42	PL20	-77.42110252	39.05430156
MD770	9.926009	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	55.66	PL20	-77.42265536	39.0556201
MD789	0.445674	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	28.22	PL20	-77.42233146	39.05426975
MD790	65.582869	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	54.10	PL20	-77.42452133	39.05168636
MD795	4.625601	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	80.11	PL20	-77.4201888	39.05547366
MD840	34.706462	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	76.77	PL20	-77.4288344	39.05597142
MD855	2.424151	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	71.71	PL20	-77.42047002	39.05607399
MD866	2.301241	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	84.98	PL20	-77.42223721	39.05733482
MD877	8.244681	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	71.72	PL20	-77.42063939	39.05672579
MD883	2.038636	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	72.07	PL20	-77.41918687	39.05699825

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
MD886	4.649552	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	40.01	PL20	-77.41969771	39.05794977
MD890	5.731196	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	77.99	PL20	-77.41671993	39.05729237
MD900	3.922496	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	76.08	PL20	-77.41703871	39.05590044
MD909	7.066143	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	39.26	PL20	-77.41565955	39.05572495
ME1008	0.392900	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	46.24	PL19	-77.40385099	38.99112572
ME1022	1.003554	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	61.26	PL19	-77.40451699	38.9914489
ME1025	1.450468	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.04	PL19	-77.40578441	38.99143135
ME1032	10.077087	20700080902	No	Chesapeake Bay	Horsepen Run	RES_SFD	52.43	PL18	-77.40423291	38.98678816
ME1039	1.323363	20700080902	No	Chesapeake Bay	Horsepen Run	RES_SFD	61.32	PL18	-77.40604536	38.98734687
ME1053	7.386860	20700080902	No	Chesapeake Bay	Horsepen Run	RES_SFD	62.58	PL18	-77.40578434	38.98814379
ME1056	33.315280	20700080902	No	Chesapeake Bay	Horsepen Run	RES_SFD	55.71	PL18	-77.40394826	38.98935695
ME1064	0.246304	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	35.10	PL19	-77.40620839	38.99287778
ME1065	7.682811	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	46.10	PL19	-77.40669463	38.99133802
ME1072	1.737331	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.92	PL19	-77.40647513	38.99382789
ME1074	2.367894	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	58.18	PL19	-77.40529846	38.9927487
ME1089	6.605837	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.95	PL19	-77.40734408	38.9944805
ME1095	2.790443	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.67	PL19	-77.40896858	38.99475904
ME1100	5.875013	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	48.65	PL19	-77.41066601	38.9951232
ME1108	10.804570	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	32.08	PL19	-77.41189313	38.99636099
ME1129	1.221593	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.29	PL19	-77.4123599	38.99511599
ME1131	1.745377	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	28.57	PL19	-77.41019008	38.99760795
ME126	23.259909	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	72.30	PL21	-77.3602822	39.03734106
ME134	4.199059	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	67.63	PL21	-77.37639044	39.0304145
ME142	2.537131	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	HOA	31.06	PL21	-77.37542761	39.03063073
ME1464	3.300032	20700080902	No	Chesapeake Bay	Horsepen Run	COM_RETAIL	70.08	PL18	-77.41009781	38.97636247
ME1486	28.143981	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	84.22	PL18	-77.41196885	38.9794868
ME15	0.442814	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	94.90	PL21	-77.34124499	39.04582329
ME1547	20.521528	20700080902	No	Chesapeake Bay	Horsepen Run	PUBLIC	0.00	PL18	-77.40856308	38.97283167
ME155	1.340400	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	67.41	PL21	-77.37524284	39.02981838
ME1555	2.513234	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	31.97	PL18	-77.4145971	38.97788879
ME159	0.429577	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	92.11	PL21	-77.37576834	39.02841129
ME161	0.835151	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	83.60	PL21	-77.37577377	39.02805111
ME1626	23.864970	20700080902	No	Chesapeake Bay	Horsepen Run	MULTI USE	58.34	PL18	-77.41805005	38.98372055
ME1639	8.470900	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	89.50	PL18	-77.42440744	38.98692294
ME1648	8.548693	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	87.55	PL18	-77.42606625	38.98805724
ME1650	4.697558	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	52.81	PL18	-77.42464925	38.98857004
ME1666	7.473975	20700080902	No	Chesapeake Bay	Horsepen Run	MISC	72.74	PL18	-77.41805821	38.97737942
ME1667	4.229862	20700080902	No	Chesapeake Bay	Horsepen Run	MISC	64.85	PL18	-77.41963956	38.97731707
ME1670	1.084879	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	59.10	PL18	-77.41288439	38.97774115
ME1681	0.201185	20700080902	No	Chesapeake Bay	Horsepen Run			PL18	-77.41015411	38.97697575
ME1715	4.724986	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	96.34	PL18	-77.42871795	38.98455814
ME177	130.558473	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	53.63	PL21	-77.38212694	39.02462623
ME1774	129.291893	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	52.02	PL18	-77.42163109	38.98121463
ME1801	7.321694	20700080902	No	Chesapeake Bay	Horsepen Run	MISC	75.51	PL18	-77.42401771	38.97771601
ME1804	2.125055	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	94.54	PL18	-77.42656482	38.97814672
ME1819	7.346578	20700080902	No	Chesapeake Bay	Horsepen Run	VACANT_UNENITLED	47.44	PL18	-77.42623403	38.97725203
ME1929	2.785400	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.87	PL19	-77.40524325	39.00345687
ME2118	5.634778	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	68.21	PL21	-77.39213177	39.01657272
ME2122	1.476936	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	97.56	PL21	-77.39138989	39.01759523
ME2126	1.703795	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	67.47	PL21	-77.39091945	39.01747621
ME2129	1.202727	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	82.80	PL21	-77.39064168	39.01704015
ME2130	2.358882	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	74.78	PL21	-77.39001314	39.01706956
ME2131	0.385886	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run			PL21	-77.38971187	39.01675764
ME2152	5.639556	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	82.09	PL21	-77.38916008	39.02004703
ME2153	3.538781	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	74.09	PL21	-77.39065833	39.01958236
ME2154	3.767716	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	79.72	PL21	-77.38881562	39.01912767
ME2159	7.88901	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	74.57	PL21	-77.387695	39.01951376
ME2174	1.667996	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	73.04	PL21	-77.39012997	39.02030094
ME2176	0.780535	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	72.36	PL21	-77.38969663	39.0207442
ME2178	2.631632	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	63.53	PL21	-77.38859784	39.02183442

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
ME2184	21.859927	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	GQ	35.93	PL21	-77.39041157	39.02317076
ME2185	0.669924	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_MFA	56.91	PL21	-77.3913428	39.02161542
ME2290	5.840117	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	99.97	PL19	-77.40297455	39.00891051
ME2318	52.277829	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	99.77	PL19	-77.40078826	39.0151847
ME2322	1.493153	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.04	PL19	-77.41241376	39.01009369
ME2325	2.003716	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	75.11	PL19	-77.41316019	39.00935945
ME2332	7.756632	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.99	PL19	-77.41383765	39.01050013
ME2336	1.887681	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.43	PL19	-77.41477787	39.00965534
ME2345	25.233254	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	50.74	PL19	-77.41401357	39.01220925
ME2370	3.114736	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.40244911	39.01666751
ME2374	1.050333	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.40518393	39.01488139
ME2393	1.637488	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.40681528	39.01430259
ME2394	8.359419	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.40560047	39.01383445
ME2410	2.010351	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.40737314	39.01220076
ME2413	1.866045	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.40675438	39.01178494
ME2415	3.043681	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.41028907	39.01308249
ME2420	1.012412	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.41021013	39.01365017
ME2479	2.145740	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.28	PL19	-77.41424213	39.00823392
ME2482	1.146026	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	75.04	PL19	-77.4148541	39.0088379
ME2484	0.496392	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.78	PL19	-77.41537699	39.00883049
ME2495	2.368269	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	86.65	PL19	-77.41704973	39.00890694
ME2500	0.147182	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	98.28	PL19	-77.41690121	39.00834944
ME2507	0.285103	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	18.61	PL19	-77.41558622	39.00739726
ME2526	2.430931	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	22.95	PL19	-77.41592849	39.01142175
ME2578	0.135774	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	22.95	PL19	-77.41284193	39.01533095
ME2621	7.499473	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	26.59	PL19	-77.40586664	39.02227371
ME2726	33.383669	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	48.12	PL20	-77.40047574	39.02460644
ME2731	2.083856	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	100.00	PL20	-77.40100202	39.02744696
ME2741	11.113978	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	100.00	PL20	-77.39824918	39.02608994
ME2767	0.530377	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	100.00	PL20	-77.39719551	39.02720968
ME2870	0.448351	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	0.00	PL20	-77.3986336	39.02838805
ME2871	0.217168	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	0.00	PL20	-77.400541	39.02832769
ME2940	0.971913	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	0.00	PL20	-77.40441474	39.03146121
ME2999	1.912717	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_MEDICAL	19.70	PL20	-77.39204409	39.02497436
ME3012	0.826865	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_HOTEL	6.49	PL20	-77.39828975	39.02881942
ME3028	4.443953	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_HOTEL	6.49	PL20	-77.40223953	39.03159346
ME3033	15.580790	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	2.79	PL20	-77.4022428	39.02936525
ME3035	1.260156	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	0.00	PL20	-77.40450867	39.03189708
ME3038	2.147154	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	7.15	PL20	-77.4030946	39.03249173
ME3057	5.764275	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	0.04	PL20	-77.40043694	39.0306747
ME3064	5.948538	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	37.71	PL20	-77.40054491	39.03429483
ME3078	0.951750	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	12.70	PL20	-77.40678034	39.03329228
ME3235	4.540186	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.93	PL19	-77.44095234	39.06754928
ME3534	1.174803	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.43	PL19	-77.48452417	39.03695134
ME3546	3.532457	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	56.79	PL19	-77.48302688	39.03820715
ME3554	9.254962	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	58.35	PL19	-77.48174876	39.03780212
ME3559	2.645860	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	58.37	PL19	-77.48223246	39.03641149
ME3567	3.382095	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	49.51	PL19	-77.48176395	39.03586637
ME3575	1.723109	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	55.86	PL19	-77.48215442	39.03919804
ME3579	1.396075	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	49.69	PL19	-77.481165	39.03936308
ME3658	19.329123	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	46.14	PL19	-77.48039474	39.03517029
ME3687	2.361004	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	49.25	PL19	-77.48201946	39.03507719
ME3693	1.299080	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	48.96	PL19	-77.48194882	39.03442614
ME3697	1.193459	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	72.37	PL19	-77.48016976	39.0331218
ME3699	2.950049	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	60.52	PL19	-77.47920099	39.03366369
ME37	6.435189	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	55.74	PL21	-77.36523942	39.02082842
ME3743	19.393321	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	65.91	PL19	-77.47807988	39.03499465
ME3760	5.645099	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	36.87	PL19	-77.47641344	39.03433606
ME3762	1.444006	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	64.44	PL19	-77.47712364	39.03305443
ME3784	1.251933	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	61.41	PL19	-77.48418231	39.03337906

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
ME3787	0.901096	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.47	PL19	-77.48389331	39.03276321
ME3794	1.010692	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	49.80	PL19	-77.48409006	39.03208459
ME3795	28.533621	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	27.45	PL19	-77.48484666	39.03015515
ME3833	4.399942	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.74	PL19	-77.48244154	39.03082896
ME3837	5.158431	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	57.05	PL19	-77.48121912	39.03052903
ME3852	8.326586	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.66	PL19	-77.47971453	39.03045199
ME3854	1.383991	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.08	PL19	-77.47904708	39.02902288
ME3859	2.627996	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	95.41	PL19	-77.47721088	39.03056665
ME3865	3.636944	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	52.31	PL19	-77.47812345	39.02950955
ME387	0.266895	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	MULTI_USE	57.53	PL21	-77.3829063	39.02118499
ME3873	2.449493	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	53.82	PL19	-77.47686527	39.02963116
ME388	6.994200	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFA	37.73	PL21	-77.38205578	39.02142198
ME3882	2.595760	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	37.86	PL19	-77.47600178	39.03006579
ME3908	2.904036	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.00	PL19	-77.48373137	39.02821098
ME3921	9.273066	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	58.94	PL19	-77.48123795	39.0288006
ME3927	2.005114	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	59.94	PL19	-77.48309335	39.02650883
ME3937	3.957266	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	55.45	PL19	-77.48186609	39.02627128
ME3941	11.929138	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	39.76	PL19	-77.48139392	39.02494258
ME3988	29.013202	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	25.44	PL19	-77.47844745	39.02478672
ME3989	0.801985	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	55.88	PL19	-77.47680357	39.02662716
ME4006	3.156590	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	57.89	PL19	-77.47841094	39.02681257
ME4007	1.205086	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	59.44	PL19	-77.47823485	39.02744329
ME4010	0.680229	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	56.07	PL19	-77.47913372	39.02742045
ME4013	0.717928	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	56.70	PL19	-77.47686421	39.02779059
ME4020	5.876218	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	51.30	PL19	-77.47588134	39.02772916
ME4047	4.590115	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	35.74	PL19	-77.47513933	39.02734709
ME4063	8.573504	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	90.80	PL19	-77.48528036	39.02808159
ME4066	1.485641	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	23.28	PL19	-77.48521931	39.02633463
ME4068	11.968678	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	46.57	PL19	-77.48758563	39.02832741
ME4095	5.177307	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	32.38	PL19	-77.47484765	39.03290022
ME4106	2.417412	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	58.73	PL19	-77.47219224	39.02862785
ME4111	5.848585	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.34	PL19	-77.47180847	39.02804434
ME4141	16.688826	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.30	PL19	-77.47272377	39.02626366
ME4199	29.470824	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.11	PL19	-77.47429384	39.02446507
ME4268	4.307518	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	53.85	PL19	-77.47353344	39.02816479
ME4295	0.170754	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	77.66	PL19	-77.46925044	39.03266668
ME4296	0.577803	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	61.06	PL19	-77.46969731	39.03291441
ME4299	0.185494	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	78.70	PL19	-77.46941979	39.03241481
ME4301	0.566215	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	64.96	PL19	-77.46988347	39.03262318
ME4305	2.786026	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	63.72	PL19	-77.47080376	39.03312769
ME4312	1.204535	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	65.60	PL19	-77.47164738	39.03273094
ME4313	0.703019	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	70.07	PL19	-77.47209113	39.03222582
ME4325	4.724782	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	55.36	PL19	-77.47202331	39.03346976
ME4330	0.811558	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	86.78	PL19	-77.47342986	39.03181156
ME4332	0.529032	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	87.48	PL19	-77.47368548	39.03257633
ME4334	1.759121	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	64.08	PL19	-77.47405966	39.0331735
ME4336	0.901760	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	50.67	PL19	-77.47497772	39.03378704
ME4338	1.090447	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	62.85	PL19	-77.47576147	39.03438613
ME4343	1.829216	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	65.51	PL19	-77.47266549	39.03408736
ME4346	2.058312	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	58.52	PL19	-77.47286635	39.03455176
ME4352	3.810592	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	37.21	PL19	-77.47431177	39.03577408
ME436	17.023787	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFA	29.60	PL21	-77.37952136	39.02083792
ME4364	0.676907	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	51.54	PL19	-77.47487386	39.03578712
ME4369	1.262320	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	63.36	PL19	-77.47555944	39.03605392
ME4370	98.711540	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	54.89	PL19	-77.47848365	39.04057501
ME4422	0.292621	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.13	PL19	-77.46993074	39.02180816
ME4424	1.315106	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	84.30	PL19	-77.47002305	39.02142806
ME4427	1.939892	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	82.60	PL19	-77.46731877	39.0213813
ME4430	1.106365	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	80.80	PL19	-77.46730487	39.02089649
ME4444	3.552425	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	89.54	PL19	-77.46710594	39.02208443

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
ME4445	0.089113	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	55.29	PL19	-77.46779732	39.02278513
ME449	23.085748	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	71.38	PL21	-77.37643077	39.02213612
ME4541	12.918456	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	84.82	PL19	-77.46770531	39.02378616
ME4564	3.309285	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	84.99	PL19	-77.46642293	39.02425178
ME4609	3.634906	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	94.03	PL19	-77.46790384	39.01957214
ME4699	13.130537	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	81.41	PL19	-77.46090388	39.02176034
ME4703	8.779461	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.14	PL19	-77.46549348	39.0222384
ME4798	94.451734	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	42.61	PL19	-77.45681269	39.01726213
ME4799	3.440430	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	81.74	PL19	-77.4514944	39.01511365
ME490	12.867423	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	63.11	PL21	-77.37512934	39.02437726
ME4962	93.097202	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	53.98	PL19	-77.45459326	39.02082518
ME4967	1.725041	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	17.43	PL19	-77.45138634	39.01800076
ME5064	4.721041	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	69.11	PL19	-77.45694308	39.01295322
ME5074	2.099069	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	85.36	PL19	-77.45781811	39.01302288
ME5075	0.641019	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	100.00	PL19	-77.45856514	39.01319622
ME5079	2.383734	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	100.00	PL19	-77.45909662	39.01341283
ME5080	46.244040	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	49.85	PL19	-77.46141044	39.01507559
ME5081	0.557441	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	76.70	PL19	-77.4600356	39.01289646
ME5116	4.231852	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	74.22	PL19	-77.45330873	39.01428913
ME5120	0.957714	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	83.64	PL19	-77.45326652	39.01258835
ME5148	11.194400	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	58.08	PL19	-77.45478804	39.01133378
ME5157	0.159789	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	0.64	PL19	-77.45500699	39.01423945
ME5158	1.634371	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	26.23	PL19	-77.45504318	39.01475575
ME5171	9.042140	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	73.97	PL19	-77.45597581	39.01394692
ME5187	5.715733	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	7.05	PL19	-77.45626304	39.0111309
ME5217	3.352493	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	21.57	PL19	-77.46656416	39.01984719
ME5218	0.227072	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	33.34	PL19	-77.46528875	39.02133666
ME5269	1.362018	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	10.28	PL19	-77.4606338	39.01248015
ME5272	1.902760	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	13.86	PL19	-77.46069693	39.01270634
ME5294	1.104822	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.22	PL19	-77.47120714	39.02058103
ME5327	0.623451	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	22.39	PL19	-77.48333507	39.02588411
ME5328	0.156861	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	0.85	PL19	-77.48480574	39.02600874
ME5388	1.124976	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_CHURCH	100.00	PL19	-77.48534668	39.03821445
ME5627	0.344620	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	64.09	PL19	-77.48747911	39.02657691
ME5630	11.825366	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	50.32	PL19	-77.48777255	39.0254115
ME5649	0.895694	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	80.57	PL19	-77.48555295	39.02596085
ME5650	11.348166	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	39.89	PL19	-77.48613724	39.02453804
ME5672	5.381746	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.12	PL19	-77.47985559	39.01070199
ME5676	7.595926	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.94	PL19	-77.48192745	39.00819471
ME5678	55.350184	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	47.39	PL19	-77.48451734	39.01090849
ME5730	9.334466	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.54	PL19	-77.48544363	39.00852084
ME5733	13.857534	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.70	PL19	-77.48176014	39.0131251
ME5754	10.147495	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	46.21	PL19	-77.49063157	39.01408255
ME5801	2.751337	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	5.43	PL19	-77.49076172	39.01274084
ME581	7.778609	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	69.26	PL21	-77.37297097	39.02166861
ME5834	12.620625	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	52.86	PL19	-77.48879058	39.01127708
ME5845	0.581325	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	82.91	PL19	-77.48899159	39.01247392
ME589	0.661464	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	87.05	PL21	-77.37191256	39.02238133
ME5953	13.678060	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	82.51	PL19	-77.479093	39.01388125
ME5954	2.222605	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	66.46	PL19	-77.47671815	39.01324666
ME745	13.736193	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	93.82	PL21	-77.37506446	39.02679013
ME746	4.331430	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	100.00	PL21	-77.37351493	39.02813472
ME756	6.163003	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	59.32	PL21	-77.39444175	38.9918679
ME760	2.438137	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	60.42	PL21	-77.39651146	38.98989559
ME829	22.576886	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.88	PL19	-77.40067428	38.99365932
ME838	28.903003	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	38.97	PL19	-77.40053825	38.9958675
ME848	8.829861	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.46	PL19	-77.40309608	38.99281294
ME863	0.761699	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.06	PL19	-77.40238884	38.9920392
ME889	4.164263	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.40141001	38.99050481
ME90	15.257410	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFA	56.94	PL21	-77.34550229	39.05128375

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
ME922	42.940387	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	50.32	PL21	-77.39920621	38.98974204
ME930	16.638959	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	RES_SFD	65.12	PL21	-77.40067497	38.98649493
PO0004	5.756963	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	38.29	PL19	-77.48370722	39.06412189
PO0005	0.715578	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_CHURCH	76.65	PL19	-77.42671187	39.04623936
RA0001	1.519502	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OFFICE_MEDICAL	89.31	PL17	-77.54015883	38.93842369
RA0004	2.305604	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OFFICE_MEDICAL	68.71	PL17	-77.5408061	38.93857101
RA0013	4.026277	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	72.19	PL17	-77.56437421	38.93585628
RA0049	0.520253	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	99.97	PL17	-77.5573247	38.93543291
RA0051	0.634701	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL17	-77.55667934	38.93546063
RA0087	1.841554	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	MISC	100.00	PL17	-77.55592934	38.9365619
RA0158	3.406969	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	96.87	PL17	-77.56731338	38.93008315
RA0167	6.091772	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	98.40	PL17	-77.5676804	38.9280923
RA0187	6.493531	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	26.75	PL17	-77.56410491	38.92784713
RA0189	0.181580	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	PUBLIC	1.30	PL17	-77.56334628	38.93041879
RA0191	21.810447	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	26.93	PL17	-77.57958327	38.92486517
RA10256	7.599389	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	94.11	PL14	-77.52911545	39.01591773
RA10277	4.321328	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	92.51	PL14	-77.53068748	39.01616279
RA10293	0.937904	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	75.59	PL14	-77.5313673	39.01572514
RA1086	6.155462	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	92.75	PL19	-77.46640972	39.01829108
RA10888	0.427394	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	0.49	PL17	-77.57174889	38.95252199
RA10896	7.355705	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	57.72	PL17	-77.5694057	38.95212678
RA10899	9.993507	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	65.90	PL17	-77.56998512	38.95321262
RA1101	22.262489	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	85.09	PL19	-77.46395936	39.01812036
RA1160	0.328139	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	0.05	PL42	-77.56217707	38.91822823
RA1170	0.149025	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	0.19	PL42	-77.5610731	38.91767579
RA1183	11.519901	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	67.58	PL19	-77.4418913	38.99464413
RA1219	28.328229	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	55.09	PL17	-77.56584387	38.93316387
RA1229	0.225171	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	0.92	PL17	-77.56453779	38.93344848
RA1324	0.262237	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	100.00	PL19	-77.50996334	39.00720394
RA1328	1.116623	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	100.00	PL19	-77.50943911	39.00733232
RA1336	4.997048	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_MFA	39.89	PL17	-77.50795786	39.00720298
RA1367	2.830012	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	44.51	PL17	-77.49985883	39.00541891
RA1379	2.655875	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	64.87	PL17	-77.50097026	39.0061813
RA1381	2.747410	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	99.36	PL21	-77.386795	39.01586768
RA1481	0.154026	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	0.46	PL17	-77.56018629	38.93304146
RA1482	0.035153	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	3.49	PL17	-77.55981204	38.93304297
RA1499	8.743771	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	36.33	PL47	-77.54008461	38.93001895
RA1540	0.572061	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	74.08	PL17	-77.54113782	38.93048725
RA1541	0.855086	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	61.64	PL17	-77.49837282	39.00754519
RA1548	2.108849	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	52.49	PL17	-77.49890248	39.00722538
RA1568	49.287297	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	42.06	PL17	-77.50024143	38.99807348
RA1631	0.316373	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	95.58	PL17	-77.49816001	38.99673208
RA1633	0.828588	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	100.00	PL17	-77.49641009	38.99707962
RA1635	1.753758	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	100.00	PL17	-77.49654135	38.99606424
RA1706	3.623350	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	54.07	PL17	-77.49789546	38.99849104
RA1717	7.238367	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	55.47	PL17	-77.49801578	39.00020467
RA1724	1.665181	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	0.52	PL17	-77.49646432	39.00349619
RA1730	0.479094	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	0.52	PL17	-77.49954401	39.00313244
RA2871	2.790072	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	51.84	PL19	-77.46841292	39.04729297
RA2898	1.738620	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	59.55	PL19	-77.46848173	39.04836674
RA2914	1.815243	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFST	100.00	PL19	-77.5009618	39.05284771
RA3668	4.851088	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	52.30	PL17	-77.59587206	38.95854684
RA3676	2.181737	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	50.73	PL17	-77.59480132	38.95643933
RA3683	3.647298	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	60.67	PL17	-77.59391941	38.95583082
RA3689	4.418630	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	60.32	PL17	-77.59495615	38.95525793
RA4800	5.479064	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	45.40	PL17	-77.59477103	38.95424693
RA4812	1.614662	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	67.52	PL17	-77.59288192	38.95410507
RA4823	4.204800	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	61.01	PL17	-77.59067996	38.95365509
RA4852	13.666260	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	80.87	PL17	-77.59729394	38.94356365
RA4863	19.748455	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	60.66	PL17	-77.59780397	38.94158491

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
RA4879	3.896826	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	56.77	PL17	-77.59145922	38.955564
RA5248	1.057833	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	66.71	PL42	-77.55817764	38.90722593
RA5254	4.191969	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	37.95	PL42	-77.55939999	38.90709823
RA5263	0.318427	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	1.33	PL42	-77.55772397	38.90624363
RA5503	9.744873	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	70.92	PL17	-77.56370945	38.92541115
RA5507	14.857186	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	50.89	PL17	-77.56114599	38.92483165
RA5598	7.733889	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	42.09	PL42	-77.56545994	38.92566576
RA5647	1.263286	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_UNENTITLED	0.03	PL47	-77.52903453	38.93024539
RA5653	0.821535	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_UNENTITLED	22.32	PL47	-77.52767508	38.92976956
RA5659	0.586453	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	0.27	PL47	-77.52705643	38.92939684
RA5664	0.317087	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_UNENTITLED	0.05	PL47	-77.52653866	38.92913554
RA5669	0.409682	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_UNENTITLED	0.10	PL47	-77.52618027	38.92884147
RA5676	2.010727	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_UNENTITLED	0.76	PL47	-77.52551349	38.92760347
RA5681	0.150973	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	0.45	PL47	-77.52525216	38.926333
RA5686	0.971747	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	0.10	PL47	-77.52513967	38.92564612
RA5690	0.186276	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	0.58	PL47	-77.52502017	38.9249268
RA5699	3.414016	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	54.66	PL45	-77.49276807	38.91341767
RA5704	9.398765	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	PUBLIC	82.54	PL45	-77.49225169	38.91188944
RA5764	18.445184	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL17	-77.50703543	38.99786343
RA5784	2.143855	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	39.83	PL17	-77.50466752	38.99995734
RA5792	6.080821	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	85.05	PL17	-77.50573694	38.99962893
RA5806	3.475846	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	99.52	PL17	-77.50610665	38.99655226
RA5882	6.879248	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	40.93	PL19	-77.44615536	38.99582487
RA5906	6.961556	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	100.00	PL21	-77.38988264	39.05208683
RA5970	1.333263	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	98.85	PL45	-77.51674742	38.9196275
RA5976	1.946161	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_NON_PUBLIC	90.51	PL45	-77.51723335	38.92040299
RA6004	1.060272	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	95.01	PL17	-77.56155925	38.93198098
RA6007	3.965000	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	66.77	PL17	-77.56218852	38.93150768
RA6023	2.222016	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	64.95	PL17	-77.56202582	38.93251578
RA6033	5.423243	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	59.89	PL17	-77.55742311	38.93371457
RA6061	12.876247	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	61.73	PL17	-77.55802458	38.93197361
RA6106	1.162868	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	81.18	PL17	-77.55715738	38.93062781
RA6110	1.526424	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	62.08	PL47	-77.53281216	38.92955654
RA6116	28.676654	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	69.67	PL47	-77.53646034	38.9289514
RA6185	11.961756	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	56.91	PL47	-77.53930431	38.92802734
RA6198	0.118250	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	98.04	PL20	-77.47055958	39.07642563
RA6201	1.140842	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	80.40	PL20	-77.46756099	39.07608563
RA6207	15.525025	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	50.78	PL20	-77.4695431	39.07736767
RA6242	48.866530	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	39.58	PL19	-77.48610564	39.06899926
RA6309	0.528519	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.48513024	39.06453232
RA6388	4.228520	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFA	99.98	PL21	-77.34943185	39.05359494
RA6430	7.564362	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	57.41	PL19	-77.47379814	39.06015959
RA6456	3.675464	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	98.05	PL19	-77.47491796	39.05979981
RA6475	14.838230	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	80.06	PL19	-77.44612951	39.05244467
RA6497	0.393342	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	0.71	PL19	-77.44756075	39.0513725
RA6499	0.514627	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	1.09	PL19	-77.44883957	39.05087235
RA6565	4.837122	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	71.05	PL17	-77.58770809	38.95334392
RA6660	8.667593	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	96.59	PL16	-77.50915284	39.06800622
RA6861	0.334529	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	COM_OTHER_PUBLIC	95.37	PL42	-77.57229937	38.91344045
RA6865	1.241737	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	COM_OTHER_PUBLIC	92.38	PL42	-77.57170208	38.91384503
RA6879	1.345836	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	COM_OTHER_PUBLIC	90.92	PL42	-77.57165045	38.91427163
RA6899	4.600787	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	PUBLIC	86.57	PL42	-77.57189578	38.91276958
RA7508	2.977596	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_DATA_CENTER	98.92	PL45	-77.49205091	38.91547289
RA7530	9.310486	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_DATA_CENTER	100.00	PL45	-77.49251216	38.91643
RA7556	2.877545	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_DATA_CENTER	100.00	PL45	-77.49350696	38.91692377
RA7638	0.117934	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	6.27	PL47	-77.52853608	38.92736971
RA7641	1.073415	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	44.97	PL47	-77.52873607	38.92688176
RA7648	8.454357	20700100802	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	48.19	PL47	-77.52844892	38.92598382
RA7785	2.757501	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	99.98	PL45	-77.52791575	38.9213993
RA7801	2.728607	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	100.00	PL45	-77.52649139	38.92182034

**Loudoun County Virginia
Regulated MS4 Outfall Table**

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
RA7802	0.480572	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	99.97	PL45	-77.52610286	38.92090646
RA7806	1.059579	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	100.00	PL45	-77.52541139	38.92106587
RA7807	1.059582	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	100.00	PL45	-77.52541139	38.92106587
RA7809	1.725279	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	99.91	PL45	-77.52661288	38.92109887
RA8149	6.910633	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	53.38	PL17	-77.58745009	38.95438643
RA8578	0.755267	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	55.01	PL17	-77.50747318	38.99578228
RA8632	11.625218	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	47.53	PL17	-77.598324	38.95405307
RA8646	7.512530	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	66.74	PL17	-77.59660989	38.9580568
RA8654	0.930298	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	49.28	PL45	-77.49777539	38.88793164
RA8663	0.879999	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	79.94	PL45	-77.49699367	38.88800683
RA9100	2.142220	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	64.00	PL17	-77.5073975	38.99481448
RA9810	0.354840	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	0.03	PL19	-77.48574407	39.06526329
RA9845	4.633217	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	55.59	PL19	-77.49854102	39.0215602
RC10	4.003237	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	53.60	PL16	-77.50306171	39.10793156
RC12	1.667153	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	HOA	83.00	PL05	-77.49603113	39.108721
RC16	4.591559	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	65.46	PL16	-77.48971744	39.10367016
RC17	5.277515	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	53.92	PL16	-77.50139035	39.10260511
RC18	1.898803	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFD	51.28	PL05	-77.49951161	39.11060466
RC180	4.156337	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	59.75	PL16	-77.48374935	39.10333156
RC20	3.459654	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	68.50	PL16	-77.49887798	39.10642168
RC21	12.770049	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFA	53.16	PL05	-77.48704858	39.10776806
RC24	4.619194	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	70.80	PL16	-77.49971984	39.10402719
RC26	6.002657	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	62.51	PL16	-77.49178109	39.10481677
RC28	2.617198	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFD	52.05	PL05	-77.49818741	39.10930392
RC29	2.306374	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	71.80	PL16	-77.48999018	39.10806655
RC40	3.284272	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	53.89	PL16	-77.48499335	39.10315829
RC41	3.440300	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	50.40	PL16	-77.48527587	39.10387209
RC42	3.075217	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	54.79	PL16	-77.49089464	39.10396981
RC43	2.277387	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	63.26	PL16	-77.48781653	39.10420457
RC44	4.787621	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	52.22	PL16	-77.50520726	39.10712806
RC45	2.014594	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	81.44	PL16	-77.50461952	39.1070666
RC46	12.120467	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	58.23	PL16	-77.48955528	39.10531426
RC498	4.604909	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	74.48	PL16	-77.49318812	39.10244318
RC500	10.710076	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	64.41	PL16	-77.49584844	39.10250278
RC502	31.005075	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	COM_GOLF_COURSE	41.24	PL16	-77.49432973	39.10661477
RC51	10.502478	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFD	78.25	PL05	-77.49872779	39.11190983
RC510	2.114676	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	47.83	PL16	-77.50240878	39.10429912
RC513	1.768421	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFA	39.33	PL05	-77.48525809	39.10622841
RC514	2.060125	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	50.03	PL16	-77.48444809	39.10265964
RC52	1.723893	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	HOA	47.90	PL05	-77.50016808	39.11001996
RC54	1.799855	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	90.98	PL16	-77.48797426	39.10356937
RC55	1.763054	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	68.71	PL16	-77.48706877	39.10312245
RC56	4.050289	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFA	66.26	PL05	-77.48908843	39.10855368
RC58	6.454310	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	76.91	PL16	-77.50333044	39.10598022
RC59	8.049244	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	92.29	PL16	-77.49480065	39.10149496
RC63	2.904931	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	COM_GOLF_COURSE	69.89	PL16	-77.50029666	39.10319145
RC64	4.428268	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	51.65	PL16	-77.50255875	39.10352936
RC65	14.362831	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFD	42.00	PL05	-77.49186991	39.10775273
RC66	1.106664	20700080403	No	Chesapeake Bay	Limestone Branch - Potomac River	RES_SFA	51.66	PL05	-77.48977317	39.10988189
RJ0052	6.567453	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	95.80	PL19	-77.47408732	39.01521266
RJ0055	9.914482	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	MISC	70.06	PL17	-77.55637257	38.93750229
RJ0083	5.710596	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	59.13	PL42	-77.56589051	38.91066844
RJ0086	3.164378	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	25.84	PL45	-77.50411333	38.91461063
RJ0090	1.331269	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	47.52	PL45	-77.50524304	38.91520186
RJ0092	0.230061	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	46.17	PL45	-77.50586811	38.91476758
RJ0099	11.991313	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	73.52	PL18	-77.42246441	38.98561472
RJ0100	0.559784	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42134585	38.9866732
RJ0112	3.181912	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	99.22	PL17	-77.56614301	38.92999081
RJ0119	0.750649	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	73.07	PL42	-77.55015497	38.91864851
RJ0134	1.263993	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	2.11	PL16	-77.50336954	39.09025191

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
RJ0215	0.039577	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	18.39	PL19	-77.48857541	39.04627916
RR27	1.670492	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.47118961	39.06625064
RR29	0.200177	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.46695468	39.06418346
RR35	0.259569	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.46809452	39.06515506
RR51	2.261931	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.47167124	39.06689083
RR61	0.263124	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.46397078	39.06274897
RR9	1.051027	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.4764934	39.06889579
SR11	6.250033	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	99.30	PL21	-77.3735332	39.01374096
SR122	6.875013	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	77.44	PL21	-77.386424	39.01835238
SR125	5.426561	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	81.59	PL21	-77.38574485	39.01777322
SR126	6.604364	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	77.79	PL21	-77.38451653	39.01783699
SR127	4.001559	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	59.68	PL21	-77.38408508	39.01861678
SR128	3.403105	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	78.09	PL21	-77.38269145	39.01758229
SR13	0.255654	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	100.00	PL21	-77.37416209	39.01263284
SR133	43.907026	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	47.57	PL21	-77.38351864	39.01999454
SR15	0.357828	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	98.69	PL21	-77.37384402	39.01257419
SR155	4.301648	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	17.78	PL21	-77.38707786	39.01873672
SR159	0.284138	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run			PL21	-77.38876935	39.01755323
SR161	4.359363	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	84.31	PL21	-77.3899087	39.01806806
SR162	33.596957	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	44.49	PL21	-77.39128054	39.02085735
SR163	0.136182	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	PUBLIC	0.46	PL21	-77.38841328	39.01798168
SR166	4.306159	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	25.46	PL21	-77.39096985	39.01500885
SR17	1.319933	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	42.51	PL21	-77.37294405	39.01243529
SR170	10.566061	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	74.90	PL21	-77.38965958	39.01463105
SR171	69.068744	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	VACANT_ENTITLED	68.30	PL21	-77.39413617	39.01792827
SR217	6.781376	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	64.93	PL21	-77.38738601	39.01251457
SR252	12.816576	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	32.58	PL21	-77.38626083	39.01433446
SR268	81.210009	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	67.41	PL21	-77.39606917	39.0122818
SR274	5.952092	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	78.43	PL21	-77.39211593	39.01001288
SR276	1.448820	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	RES_SFD	69.10	PL21	-77.39109759	39.00894225
SR3	2.677350	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_RETAIL	100.00	PL21	-77.37651895	39.01461043
SR446	2.807426	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	22.54	PL18	-77.41744384	38.98843986
SR505	1.434783	20700080902	No	Chesapeake Bay	Horsepen Run	MULTI_USE	64.34	PL18	-77.42296285	38.98952941
SR506	52.886992	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	43.66	PL18	-77.42105306	38.99211752
SR523	45.851504	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	69.11	PL18	-77.41549709	38.99009648
SR524	19.846717	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	72.18	PL18	-77.41817669	38.99105617
SR525	0.362403	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	29.98	PL18	-77.42078262	38.98876637
SR526	0.521783	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	96.22	PL18	-77.42114513	38.98845839
SR538	2.042424	20700080902	No	Chesapeake Bay	Horsepen Run	COM_OFFICE_GENERAL	99.94	PL18	-77.42187871	38.98841791
SR540	2.267262	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	55.56	PL18	-77.42197869	38.98920506
SR546	2.302124	20700080902	No	Chesapeake Bay	Horsepen Run	COM_DATA_CENTER	86.74	PL18	-77.41246206	38.98832855
SR560	1.379242	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	80.92	PL18	-77.41386989	38.98773563
SR563	0.450984	20700080902	No	Chesapeake Bay	Horsepen Run	COM_DATA_CENTER	41.22	PL18	-77.41348178	38.9878604
SR568	4.762385	20700080902	No	Chesapeake Bay	Horsepen Run	MISC	53.90	PL18	-77.4133185	38.98869712
SR570	0.937995	20700080902	No	Chesapeake Bay	Horsepen Run	COM_DATA_CENTER	59.23	PL18	-77.41272019	38.98695652
SR572	5.224245	20700080902	No	Chesapeake Bay	Horsepen Run	COM_DATA_CENTER	46.82	PL18	-77.41215292	38.98601684
SR582	102.532728	20700080902	No	Chesapeake Bay	Horsepen Run	RES_SFD	29.45	PL18	-77.40644497	38.98416805
SR603	8.841058	20700080902	No	Chesapeake Bay	Horsepen Run	COM_DATA_CENTER	70.90	PL18	-77.41135647	38.98904047
SR607	7.302779	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	98.54	PL18	-77.4152205	38.98799288
SR608	0.469882	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	99.43	PL18	-77.41447802	38.9871893
SR609	0.529826	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	96.13	PL18	-77.41401627	38.98729624
SR641	7.347715	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	98.75	PL18	-77.41844654	38.98775461
SR660	25.900288	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	42.20	PL18	-77.42810359	38.98670231
SR739	5.637117	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	69.20	PL18	-77.4274009	38.98461806
SR740	5.518765	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42608999	38.98462398
WB1013	25.799207	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	25.22	PL20	-77.41207585	39.05581784
WB1034	3.195517	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	55.88	PL20	-77.40606654	39.04782856
WB1044	6.297893	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	74.00	PL20	-77.40489945	39.04814668
WB1049	2.346417	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	74.71	PL20	-77.40380051	39.04910671
WB1056	2.356731	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	79.87	PL20	-77.40206024	39.04789934

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
WB1063	4.782411	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	65.30	PL20	-77.40219494	39.04882137
WB1064	5.074792	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	72.95	PL20	-77.40088797	39.05083788
WB1066	5.360809	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	61.84	PL20	-77.40184179	39.04986322
WB1111	12.910242	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	70.63	PL20	-77.40413125	39.05193879
WB1125	2.430787	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	72.09	PL20	-77.40617126	39.05596388
WB1145	7.819467	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	42.62	PL20	-77.40456341	39.05432233
WB1147	1.694124	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	59.09	PL20	-77.40358733	39.05514591
WB1157	16.658558	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	74.53	PL20	-77.40201072	39.05410283
WB1182	10.906817	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	38.01	PL20	-77.40115045	39.05242423
WB1184	0.749233	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	65.21	PL20	-77.39997154	39.05472117
WB1239	2.646388	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	48.29	PL20	-77.41113967	39.05739159
WB1243	3.270229	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFA	53.99	PL20	-77.41236502	39.05745574
WB12680	16.469183	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	38.59	PL17	-77.5104304	38.9775678
WB1270	7.047153	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	53.20	PL20	-77.41453281	39.05749608
WB1273	1.755729	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	55.16	PL20	-77.41323652	39.05752142
WB1302	4.798662	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.39687258	39.05295329
WB1316	3.549978	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.39752968	39.0520521
WB1338	9.315918	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	87.59	PL20	-77.398791	39.05303207
WB1358	82.806988	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	21.68	PL19	-77.44021557	39.05417753
WB1532	9.424480	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	53.49	PL19	-77.43521589	39.04985343
WB1543	6.061108	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	67.66	PL19	-77.43536668	39.05110284
WB1544	0.251641	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.43403678	39.05077987
WB1567	5.295338	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	60.76	PL19	-77.44478095	39.05494133
WB1595	2.731103	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.43740073	39.05536816
WB1604	6.506782	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.43842977	39.05656684
WB1618	7.046559	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	42.80	PL19	-77.44142066	39.05863249
WB1646	13.325976	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	92.78	PL19	-77.44229423	39.06125996
WB1655	4.430075	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	35.32	PL19	-77.44126198	39.0597412
WB1788	47.838686	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	38.97	PL19	-77.44500257	39.05930725
WB1798	2.919966	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	25.26	PL19	-77.44009691	39.05705599
WB1799	1.260535	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.43957808	39.05749828
WB18	2.924673	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.41986834	39.03422984
WB1855	21.029249	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	35.50	PL19	-77.44370715	39.06316867
WB1860	21.530737	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	79.92	PL19	-77.44796785	39.06606978
WB1879	17.043181	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	94.12	PL20	-77.44953719	39.06793428
WB1886	14.587595	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	99.93	PL20	-77.45091526	39.06676804
WB1899	20.128813	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	36.99	PL19	-77.44601915	39.06432111
WB1954	6.524967	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	49.72	PL19	-77.44656997	39.06604372
WB2	36.200632	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	34.64	PL19	-77.41609109	39.03457206
WB20075	4.172925	20700080905	Yes	Sugarland Run (Bacterial), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	57.01	PL21	-77.37158228	39.02451733
WB2122	1.152947	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	57.01	PL19	-77.46747614	39.06694806
WB2126	0.730295	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	57.01	PL19	-77.46817416	39.06649747
WB2279	45.647919	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	99.77	PL20	-77.46794746	39.07119033
WB2281	0.883740	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.47021704	39.06933935
WB2317	3.428054	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	24.94	PL19	-77.45464381	39.06199138
WB2353	3.560594	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	72.16	PL20	-77.45382863	39.07005952
WB241	3.235269	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.4238425	39.0343567
WB2434	5.662862	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	0.35	PL19	-77.48064948	39.07155476
WB252	17.986233	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	53.88	PL19	-77.42324471	39.03216392
WB2545	22.062895	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	89.96	PL20	-77.47647481	39.07352163
WB2573	3.448215	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	46.20	PL20	-77.4756647	39.07550963
WB2576	2.660122	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	99.86	PL20	-77.47461331	39.0760153
WB2584	0.628639	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	100.00	PL20	-77.47380745	39.07632407
WB2588	6.278456	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	91.49	PL20	-77.47504482	39.07695095
WB2633	7.542999	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	88.69	PL20	-77.47452328	39.07225527
WB2635	1.399011	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	0.32	PL20	-77.4725549	39.07317935
WB2650	19.833886	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	92.87	PL20	-77.47068415	39.07299593
WB2659	2.298417	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	75.43	PL19	-77.44862313	39.05698028
WB277	5.780318	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	96.07	PL19	-77.42143444	39.03282146
WB296	0.321648	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	84.26	PL19	-77.41916561	39.03315331

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
WB299	22.856185	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	64.44	PL19	-77.42076013	39.03067927
WB30027	3.187633	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	51.16	PL16	-77.49677708	39.08364381
WB30028	2.933673	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	80.30	PL16	-77.50027955	39.08915219
WB30030	1.805922	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	46.19	PL19	-77.48881941	39.01432787
WB30032	3.136967	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	68.40	PL19	-77.47562608	39.02249172
WB30043	17.436800	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	71.37	PL42	-77.5603514	38.90836246
WB30271	10.222786	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	100.00	PL19	-77.41658365	39.03100024
WB30272	11.611389	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	28.74	PL19	-77.41615975	39.03235891
WB30273	2.257364	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	100.00	PL19	-77.41742512	39.02995063
WB30274	2.137099	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	86.83	PL20	-77.40509652	39.02702428
WB30275	44.735064	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	29.21	PL20	-77.40492724	39.02460265
WB30276	1.363458	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	100.00	PL20	-77.40586051	39.02814526
WB30280	23.844849	20700080905	Yes	Sugarland Run (Bacteria), Chesapeake Bay	Sugarland Run	COM_OTHER_PUBLIC	97.52	PL21	-77.37244602	39.02681846
WB30281	1.439415	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	MULTI_USE	98.42	PL16	-77.49622522	39.08030825
WB30282	25.569078	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFA	24.08	PL16	-77.49327337	39.08036566
WB30287	0.368975	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	0.06	PL19	-77.46626521	39.06754211
WB30289	7.960239	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	100.00	PL20	-77.46267558	39.06764666
WB30293	23.807305	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	100.00	PL20	-77.46399322	39.06944652
WB30295	7.069286	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	67.37	PL19	-77.47200995	39.07035685
WB30296	3.563680	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	100.00	PL20	-77.463793	39.07200162
WB30297	2.024705	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	100.00	PL20	-77.46240898	39.07166445
WB30298	0.402193	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	100.00	PL19	-77.46704082	39.06281978
WB30299	3.029293	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	100.00	PL19	-77.46680674	39.06206516
WB30300	20.301477	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	38.00	PL19	-77.46550389	39.06331742
WB30302	0.306677	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.46797522	39.06175157
WB30303	4.369784	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.46920833	39.06119569
WB30304	2.767270	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	100.00	PL20	-77.46150853	39.0711996
WB30305	5.522391	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	100.00	PL20	-77.46315247	39.07090556
WB30306	7.141406	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OFFICE_GENERAL	92.33	PL19	-77.46274652	39.05984354
WB30311	4.261138	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	99.07	PL20	-77.47760387	39.07932512
WB30312	3.218492	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	98.46	PL20	-77.47861873	39.07827572
WB30313	3.430281	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	100.00	PL20	-77.47688329	39.07769141
WB30314	92.396045	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	44.94	PL20	-77.48095314	39.07591728
WB30316	2.126337	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	100.00	PL20	-77.48746615	39.09377055
WB30321	5.311037	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.4854273	39.0901147
WB30322	2.426006	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.48609806	39.0911718
WB30323	2.376599	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.4849369	39.09100505
WB30324	2.167442	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	43.03	PL20	-77.48692931	39.0897107
WB30325	6.792612	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.87	PL19	-77.46930869	39.05102549
WB30326	1.580755	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.44	PL19	-77.46808543	39.05035496
WB30332	23.351487	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	75.56	PL19	-77.45808124	39.02500876
WB30333	13.893096	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	99.98	PL19	-77.46056443	39.02513496
WB30338	2.199921	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.45905126	39.02349964
WB30339	2.797361	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.45841306	39.0229205
WB30346	5.732458	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	39.79	PL19	-77.44404768	39.00704773
WB30347	0.869773	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	100.00	PL19	-77.44767871	38.99658412
WB30348	1.900888	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	70.59	PL19	-77.44764326	38.99607428
WB30360	11.656123	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_UNENTITLED	10.49	PL19	-77.43951725	39.0052263
WB30374	5.932328	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	60.98	PL18	-77.43664115	38.99324138
WB30382	11.511458	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	0.21	PL19	-77.43513298	39.00095006
WB30391	0.867455	20700080902	No	Chesapeake Bay	Horsepen Run			PL18	-77.43578411	38.98431258
WB30392	66.423359	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	45.08	PL18	-77.43757159	38.98800049
WB30397	0.103301	20700080902	No	Chesapeake Bay	Horsepen Run	HOA	1.36	PL18	-77.42871113	38.98972659
WB30398	1.010053	20700080902	No	Chesapeake Bay	Horsepen Run	HOA	0.17	PL18	-77.42965895	38.98958808
WB30401	0.391187	20700080902	No	Chesapeake Bay	Horsepen Run			PL18	-77.43069779	38.98947714
WB30402	0.193817	20700080902	No	Chesapeake Bay	Horsepen Run			PL18	-77.43056925	38.98975383
WB30403	0.143093	20700080902	No	Chesapeake Bay	Horsepen Run			PL18	-77.4302219	38.99033788
WB30406	6.470932	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	77.61	PL17	-77.53342472	38.97715433
WB30407	5.093160	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	75.13	PL17	-77.5349382	38.97943031
WB30417	1.615509	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	57.00	PL17	-77.51019709	38.98173449

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
WB30418	13.021104	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	42.58	PL17	-77.51230792	38.98063644
WB30422	1.360469	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	66.28	PL17	-77.51397902	38.98062071
WB30423	9.641568	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_NON_PUBLIC	59.25	PL17	-77.51116261	38.97925058
WB30428	1.103777	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	15.14	PL17	-77.50545736	38.97677986
WB30439	0.959606	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	56.62	PL17	-77.51361595	38.97971465
WB30446	34.007290	20700080902	No	Chesapeake Bay	Horsepen Run	VACANT_UNENTITLED	18.90	PL18	-77.43271817	38.99375922
WB30447	0.525740	20700080902	No	Chesapeake Bay	Horsepen Run			PL18	-77.43232252	38.98784203
WB30449	0.391234	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	3.64	PL18	-77.43059817	38.98769536
WB30450	0.414369	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	0.39	PL18	-77.43049429	38.98901384
WB30451	0.403849	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	100.00	PL18	-77.43017013	38.98815806
WB30452	0.257089	20700080902	No	Chesapeake Bay	Horsepen Run	COM_HOTEL	100.00	PL18	-77.42957222	38.98856726
WB30454	10.396850	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	93.37	PL18	-77.42000978	38.98513814
WB30456	1.970481	20700080902	No	Chesapeake Bay	Horsepen Run	COM_LIGHT_IND_FLEX	100.00	PL18	-77.42081212	38.98646707
WB30486	11.817171	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	77.47	PL14	-77.52472469	39.01183218
WB30488	4.481534	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	86.92	PL14	-77.52743337	39.02104626
WB30489	6.584158	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	76.14	PL14	-77.5285052	39.01883372
WB30490	2.014863	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	77.71	PL14	-77.52863017	39.01999925
WB30491	0.640422	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	52.81	PL14	-77.52953785	39.02057317
WB30493	1.614060	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	75.10	PL14	-77.53144584	39.0191823
WB30494	3.235121	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	80.17	PL14	-77.53068055	39.01922719
WB30496	22.120741	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	47.74	PL17	-77.52128182	39.00047786
WB30498	4.368289	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	69.31	PL17	-77.52284938	38.99897868
WB30499	5.822647	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	60.04	PL17	-77.51918768	38.99951998
WB30504	3.454030	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	30.45	PL19	-77.49039328	39.01082194
WB30505	1.189442	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	18.79	PL19	-77.49131126	39.0179053
WB30507	1.831432	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	1.42	PL19	-77.4930525	39.01163097
WB30508	27.696446	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	67.64	PL19	-77.49260032	39.01015768
WB30511	14.068788	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	99.78	PL19	-77.49080113	39.02234426
WB30512	2.134242	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	100.00	PL19	-77.48950631	39.02358947
WB30513	0.329204	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	99.97	PL19	-77.4891007	39.023202
WB30514	5.366118	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	54.00	PL45	-77.54025336	38.92154856
WB30516	1.646851	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.43	PL45	-77.54228866	38.92143499
WB30517	22.297390	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	41.15	PL45	-77.54292109	38.92028762
WB30518	5.348005	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	66.80	PL45	-77.54269776	38.92211374
WB30519	5.772237	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	63.36	PL45	-77.54268725	38.92301659
WB30524	9.275819	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFA	54.31	PL42	-77.55393294	38.92129374
WB30527	1.540336	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFA	62.34	PL42	-77.55370742	38.92293487
WB30529	14.361785	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	72.46	PL42	-77.56464209	38.91256148
WB30530	0.200062	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	0.34	PL42	-77.56200052	38.91063194
WB30532	19.213603	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	73.88	PL42	-77.56663653	38.91415688
WB30534	2.682049	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	71.49	PL42	-77.56300106	38.91561467
WB30535	4.139010	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	67.16	PL42	-77.56277618	38.91706284
WB30536	1.230214	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_NON_PUBLIC	92.87	PL45	-77.53566946	38.91866475
WB30549	10.702041	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_LIGHT_IND_FLEX	91.86	PL45	-77.47205517	38.91458691
WB30550	7.766636	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	97.77	PL45	-77.47335788	38.91337192
WB30551	5.754277	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	100.00	PL45	-77.47258232	38.91258118
WB30552	4.984195	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	VACANT_UNENTITLED	16.33	PL45	-77.47601504	38.91056753
WB30555	4.027460	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.44681102	39.02949841
WB30556	3.140474	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.44533963	39.02930319
WB30557	0.782688	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.44488765	39.02870427
WB30558	2.328154	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.4440349	39.02897818
WB30559	1.062501	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.44338878	39.02857034
WB30561	2.455589	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.44522899	39.03303371
WB30563	25.972737	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.44338069	39.0325382
WB30565	3.091153	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	75.81	PL20	-77.47338121	39.08311324
WB31005	3.065955	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.33	PL19	-77.49236811	39.05566668
WB31006	1.604144	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	82.99	PL19	-77.4914443	39.05612451
WB31007	0.733385	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	56.32	PL19	-77.49219547	39.05728972
WB31008	7.749993	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	79.50	PL19	-77.49303586	39.05917117
WB31009	4.694284	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	83.42	PL19	-77.49321582	39.05764991

**Loudoun County Virginia
Regulated MS4 Outfall Table**

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
WB31010	1.546871	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	56.67	PL42	-77.54959582	38.91314035
WB35	2.285562	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	98.55	PL19	-77.42123533	39.0354823
WB369	1.800991	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	40.22	PL19	-77.41876324	39.03132766
WB373	1.007328	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	15.68	PL19	-77.4184462	39.03172563
WB386	12.501683	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	57.06	PL19	-77.42004855	39.02831261
WB389	3.083296	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_MFA	47.56	PL19	-77.41665793	39.02957773
WB40456	0.525346	20700080902	No	Chesapeake Bay	Horsepen Run			PL18	-77.43136431	38.99021294
WB40458	8.084070	20700080902	No	Chesapeake Bay	Horsepen Run	VACANT_UNENTITLED	46.49	PL18	-77.43177557	38.99359054
WB40480	0.953691	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	75.69	PL45	-77.53768674	38.9240697
WB422	3.791125	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	70.52	PL20	-77.40944372	39.04368448
WB428	6.459506	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	83.44	PL20	-77.40776027	39.04343043
WB436	3.034267	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	73.12	PL20	-77.40570145	39.04305313
WB444	3.159187	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	31.33	PL20	-77.40944819	39.04244298
WB448	30.602497	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	34.45	PL20	-77.41074781	39.04072706
WB532	0.268767	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_PUBLIC	100.00	PL20	-77.4136031	39.04382774
WB533	22.896931	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	33.73	PL20	-77.41394523	39.0414826
WB562	4.891744	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	65.93	PL20	-77.41092493	39.04397802
WB571	6.514309	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	61.94	PL20	-77.41211203	39.04379121
WB641	6.629018	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	88.33	PL20	-77.40884937	39.03824467
WB642	4.626525	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	95.91	PL20	-77.4094433	39.03737443
WB644	1.538781	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	61.31	PL20	-77.40794934	39.03696155
WB650	0.373681	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	88.47	PL20	-77.41042775	39.03738355
WB654	0.343195	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	36.84	PL20	-77.41049803	39.03735082
WB655	2.073243	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	100.00	PL20	-77.41060393	39.03662264
WB661	0.945851	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_RETAIL	50.81	PL20	-77.40882806	39.03648327
WB669	3.919566	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	88.47	PL20	-77.41086998	39.03812267
WB679	0.318555	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	87.09	PL20	-77.41159739	39.0381533
WB682	3.526940	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	MULTI_USE	87.72	PL20	-77.41217531	39.03894608
WB691	8.457056	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	31.51	PL20	-77.413436	39.03865698
WB7	0.983559	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	97.63	PL19	-77.41912308	39.03336982
WB70105	1.910755	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	99.21	PL19	-77.44639325	39.00818936
WB70106	1.075032	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.44645335	39.00856998
WB721	3.186039	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	76.70	PL20	-77.4136373	39.03767703
WB732	1.457926	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	77.34	PL20	-77.4132073	39.0370519
WB737	0.570674	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_MEDICAL	68.19	PL20	-77.41246587	39.03656407
WB821	20.103825	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	69.39	PL20	-77.40871003	39.04997494
WB826	1.112903	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	72.80	PL20	-77.4047038	39.05109086
WB828	1.189051	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	68.04	PL20	-77.40489577	39.04949763
WB853	20.469078	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	65.98	PL20	-77.4116884	39.05056319
WB860	1.831800	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	44.66	PL20	-77.40789639	39.05238483
WB862	2.715938	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	61.04	PL20	-77.40946081	39.05319909
WB864	1.524138	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	75.95	PL20	-77.40718438	39.05293555
WB870	1.620508	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	73.12	PL20	-77.41069409	39.05311186
WB887	3.999605	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	59.06	PL20	-77.40914287	39.05404732
WB888	0.774143	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	35.14	PL20	-77.40862783	39.05454641
WB891	0.683807	20700080904	No	Chesapeake Bay	Selden Island - Potomac River			PL20	-77.40692085	39.05423647
WB896	0.665784	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	40.85	PL20	-77.40634299	39.05395283
WB901	0.513315	20700080904	No	Chesapeake Bay	Selden Island - Potomac River			PL20	-77.40942511	39.05507131
WB902	0.443618	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	66.16	PL20	-77.40866564	39.05495707
WB906	9.618823	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	50.27	PL20	-77.41469137	39.05453326
WB958	8.709759	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	74.57	PL20	-77.41430478	39.05348688
WB968	1.640979	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	68.35	PL20	-77.4107803	39.05370747
WB994	1.783517	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	50.83	PL20	-77.41747884	39.05109137
WB995	2.441907	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	HOA	44.55	PL20	-77.41904295	39.05118905
WB998	2.358128	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	RES_SFD	74.64	PL20	-77.41712448	39.05227238
WC30573	2.245937	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	45.05	PL19	-77.49353745	39.06086024
WC30582	0.503250	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	0.38	PL19	-77.46804551	39.0676262
WC30583	4.054057	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	7.89	PL19	-77.47068264	39.06795872
WJ1017	23.366591	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	27.50	PL19	-77.51653675	39.05383485
WJ1018	2.302169	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.21	PL19	-77.51379694	39.05426537

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
WJ1029	5.013558	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	38.51	PL19	-77.51418221	39.05318823
WJ1030	2.003808	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.01	PL19	-77.51253644	39.05345548
WJ104	11.432292	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	49.64	PL45	-77.51402138	38.92415015
WJ1084	8.512336	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	51.30	PL19	-77.51711546	39.05218437
WJ1162	15.846195	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	45.12	PL19	-77.51650837	39.05151803
WJ1189	17.583261	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	40.54	PL19	-77.51149858	39.05171626
WJ120	18.344619	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	51.83	PL45	-77.51565584	38.92334788
WJ1203	2.057686	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	63.23	PL19	-77.51236564	39.05007859
WJ124	20.943546	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	23.11	PL45	-77.50997786	38.9238904
WJ1263	29.066572	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	61.74	PL19	-77.51803716	39.04671304
WJ1275	19.406707	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	49.37	PL19	-77.51497635	39.0464796
WJ131	2.325880	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	49.41	PL45	-77.5099179	38.92220856
WJ132	0.215197	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	0.16	PL45	-77.51048065	38.92159986
WJ135	0.051060	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	0.14	PL45	-77.51076573	38.92132895
WJ1403	44.941654	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	62.68	PL19	-77.51718633	39.04945264
WJ1405	24.230919	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.05	PL19	-77.5152265	39.0405397
WJ1412	1.281706	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.92	PL19	-77.51263693	39.03986987
WJ144	14.011084	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	42.64	PL45	-77.51246836	38.91969031
WJ1449	4.887086	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.94	PL19	-77.51474379	39.03871421
WJ1454	7.939999	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.92	PL19	-77.51859782	39.03950083
WJ1467	19.451574	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	42.00	PL19	-77.52068837	39.0396423
WJ1496	3.471176	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.40	PL19	-77.51606385	39.03669024
WJ1497	7.853332	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	64.47	PL19	-77.5177299	39.03680802
WJ1518	11.389134	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	76.30	PL19	-77.52015582	39.03771808
WJ1530	35.343773	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	27.66	PL19	-77.48778412	39.05150695
WJ1641	0.674440	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	98.99	PL19	-77.4882773	39.06762585
WJ1643	0.545740	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	98.96	PL19	-77.4882691	39.06575167
WJ1651	12.651847	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	91.17	PL19	-77.4894501	39.06949015
WJ1678	3.402685	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	81.01	PL19	-77.49199024	39.06882005
WJ1681	0.975528	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	67.34	PL19	-77.48978995	39.06508387
WJ1683	4.873136	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	48.60	PL19	-77.48900168	39.06473383
WJ1707	12.488582	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	65.48	PL19	-77.48726053	39.06389519
WJ1730	25.672575	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	53.16	PL19	-77.48679884	39.06154143
WJ1735	4.274763	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	72.59	PL19	-77.49149264	39.06452707
WJ1737	0.167137	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	100.00	PL19	-77.49334312	39.06448225
WJ176	16.654477	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_MFA	31.54	PL45	-77.51324274	38.91781344
WJ1760	6.845359	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	81.25	PL19	-77.49129895	39.06553619
WJ1771	8.991387	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	56.05	PL19	-77.49060584	39.06746322
WJ1781	4.347413	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	58.04	PL19	-77.49295192	39.06856501
WJ1785	2.583013	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.97	PL19	-77.49368798	39.06763093
WJ1789	2.040739	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.41	PL19	-77.49402673	39.06682671
WJ1795	2.242974	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	75.82	PL19	-77.49425705	39.06612709
WJ1803	2.955744	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.35	PL19	-77.49468782	39.06539388
WJ1806	17.167920	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	51.66	PL19	-77.49566661	39.0636098
WJ1825	4.736480	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	63.77	PL19	-77.49692721	39.06486391
WJ1830	4.466769	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	55.84	PL19	-77.4970034	39.06588905
WJ1840	18.366798	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	53.04	PL19	-77.49500813	39.06777696
WJ1855	2.333046	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.58	PL19	-77.49619889	39.06815155
WJ1868	10.072949	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	77.16	PL19	-77.49578317	39.06935593
WJ1894	12.525005	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	76.52	PL16	-77.49654962	39.07153901
WJ1903	2.776899	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	74.34	PL16	-77.49866796	39.07427237
WJ1907	2.924532	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	79.15	PL16	-77.49909616	39.07265503
WJ1913	3.033699	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	99.88	PL16	-77.49877704	39.07221278
WJ1915	9.548426	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	74.29	PL16	-77.49804509	39.07107563
WJ192	12.266291	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	43.56	PL45	-77.51293473	38.91595754
WJ1957	5.607155	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	76.00	PL16	-77.49849058	39.0697251
WJ1961	0.158983	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	100.00	PL16	-77.50063275	39.07094111
WJ1970	18.936424	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	RES_SFD	79.68	PL16	-77.50290116	39.07151828
WJ2	13.124258	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	38.39	PL45	-77.52538444	38.91410203
WJ2034	13.663381	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_HOTEL	33.93	PL20	-77.47681881	39.08054848

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
WJ204	0.358274	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run			PL45	-77.51152951	38.91633692
WJ2042	0.895916	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	24.60	PL20	-77.47648998	39.07935852
WJ2043	1.433924	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	12.25	PL20	-77.476042	39.07760341
WJ2068	0.354359	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	1.40	PL20	-77.47072149	39.07943472
WJ2073	2.904491	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	85.20	PL20	-77.47119938	39.07878922
WJ2091	22.829067	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_HOTEL	82.98	PL20	-77.47584667	39.08303852
WJ2117	9.512553	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	45.30	PL20	-77.472911	39.07896652
WJ2118	2.130074	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	8.06	PL20	-77.47122272	39.07576394
WJ2120	0.214522	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OFFICE_GENERAL	0.29	PL20	-77.47152283	39.07448418
WJ2126	0.340794	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	97.65	PL20	-77.47071592	39.07985222
WJ2128	11.594531	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	83.96	PL20	-77.47309581	39.08032338
WJ2157	15.119300	20700080904	No	Chesapeake Bay	Selden Island - Potomac River	COM_OTHER_NON_PUBLIC	84.19	PL20	-77.47301543	39.08169525
WJ2178	1.288097	20700080704	Yes	Goose Creek (Benthic), Chesapeake Bay	Cattail Branch - Goose Creek	HOA	23.44	PL16	-77.50438883	39.09130483
WJ226	4.986119	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	37.05	PL45	-77.51237378	38.91446694
WJ250	2.944849	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	47.62	PL45	-77.51602283	38.91314199
WJ255	2.462631	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	31.13	PL45	-77.51639008	38.91407589
WJ267	5.392460	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	47.49	PL45	-77.51618938	38.91643347
WJ271	0.753371	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	60.10	PL45	-77.5167596	38.91579191
WJ272	0.724561	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	49.74	PL45	-77.516486	38.91548656
WJ277	4.716973	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	54.97	PL45	-77.51607583	38.91502637
WJ301	4.125982	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	MULTI_USE	95.53	PL45	-77.51534467	38.91767161
WJ308	0.963556	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run			PL45	-77.51773407	38.91757894
WJ310	1.472592	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	0.19	PL45	-77.5161164	38.91720105
WJ316	1.404433	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	28.60	PL45	-77.51845278	38.91707431
WJ322	1.217869	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	8.87	PL45	-77.51864301	38.91599418
WJ337	24.438564	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_OTHER_PUBLIC	53.13	PL45	-77.52155868	38.9134968
WJ364	3.855806	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	24.43	PL45	-77.51909085	38.91317766
WJ367	5.578701	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	45.02	PL45	-77.5198603	38.91094355
WJ383	9.861803	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	90.51	PL19	-77.50238238	39.03713802
WJ390	2.319368	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	67.83	PL19	-77.5011027	39.0382543
WJ398	1.455142	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	57.85	PL19	-77.49957912	39.03795263
WJ401	1.751314	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	53.32	PL19	-77.49876222	39.03804325
WJ406	1.459635	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	53.16	PL19	-77.49793561	39.03781129
WJ412	31.251345	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	39.05	PL19	-77.49885176	39.03629893
WJ413	1.623194	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	57.44	PL19	-77.49511549	39.03699237
WJ419	1.600918	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	67.47	PL19	-77.4950292	39.03765855
WJ426	0.488335	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	62.07	PL19	-77.4965302	39.03790642
WJ427	3.973290	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	57.40	PL19	-77.49619446	39.03607511
WJ435	7.994357	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	41.53	PL19	-77.49677354	39.03496437
WJ444	6.606605	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_CHURCH	20.98	PL19	-77.49799198	39.03393873
WJ466	4.532634	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	80.91	PL19	-77.49322812	39.03483314
WJ473	3.180232	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.54	PL19	-77.49258098	39.03617194
WJ476	2.851147	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.66	PL19	-77.49237777	39.03479553
WJ482	8.750050	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	45.41	PL19	-77.49249282	39.03213573
WJ493	2.249035	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	59.49	PL19	-77.49130991	39.03102516
WJ503	4.797155	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.19	PL19	-77.49076321	39.03226903
WJ507	2.556093	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	81.38	PL19	-77.4896165	39.03273753
WJ510	0.131661	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run			PL19	-77.48859137	39.03211
WJ515	1.132055	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.00	PL19	-77.48820649	39.03244882
WJ519	5.350444	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	57.10	PL19	-77.48885314	39.03068372
WJ526	3.802274	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	46.12	PL19	-77.48808029	39.03073049
WJ530	2.719550	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	64.87	PL19	-77.48987617	39.029567
WJ536	2.485723	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	66.67	PL19	-77.48988558	39.03067932
WJ541	0.767150	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	63.61	PL19	-77.48684279	39.03226084
WJ542	1.344702	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	57.99	PL19	-77.48663678	39.03145966
WJ547	0.630626	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	50.52	PL19	-77.48665575	39.03059693
WJ572	1.693534	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	60.63	PL19	-77.4869736	39.03280518
WJ576	2.894451	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	71.18	PL19	-77.49198168	39.04037754
WJ582	7.203577	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	82.69	PL19	-77.49044978	39.04153872
WJ593	6.003892	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	81.47	PL19	-77.49029332	39.0426682

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
WJ608	5.060332	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.48	PL19	-77.49857201	39.04497722
WJ610	7.160882	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.03	PL19	-77.5009983	39.04514174
WJ621	1.176112	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	74.94	PL19	-77.4993048	39.04567507
WJ626	1.326218	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	83.63	PL19	-77.49906191	39.04639103
WJ63	16.024478	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.38	PL45	-77.52872492	38.91332544
WJ632	2.194767	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.13	PL19	-77.49945115	39.04675948
WJ637	3.086349	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.61	PL19	-77.49923632	39.04800758
WJ64	3.488114	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	84.61	PL45	-77.52745102	38.91549296
WJ640	5.853784	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	84.20	PL19	-77.50052142	39.04933755
WJ657	0.325496	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	98.94	PL19	-77.5029074	39.04561112
WJ660	2.522535	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	58.58	PL19	-77.50232001	39.04559639
WJ663	1.171625	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	22.38	PL19	-77.50471903	39.04552551
WJ675	3.955305	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	73.48	PL19	-77.50289168	39.04769773
WJ685	6.705422	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	70.26	PL19	-77.50140366	39.04707125
WJ69	10.826306	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	74.56	PL45	-77.53043968	38.91275283
WJ692	7.040324	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.47	PL19	-77.50240491	39.04874521
WJ707	3.481133	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	68.17	PL19	-77.50189191	39.05028351
WJ708	2.966990	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	69.07	PL19	-77.50079555	39.04995773
WJ719	5.314744	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	66.63	PL19	-77.50415075	39.04825119
WJ737	4.822314	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	35.89	PL19	-77.50539145	39.04808968
WJ762	9.402084	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	66.27	PL19	-77.50333807	39.05061694
WJ764	0.798532	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	97.60	PL19	-77.50295368	39.05184164
WJ768	10.360061	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	43.18	PL19	-77.50484725	39.05141727
WJ82	3.157428	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	69.29	PL45	-77.53009304	38.91453255
WJ826	15.832923	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	40.86	PL19	-77.5064445	39.04985808
WJ828	1.520592	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_PUBLIC	21.74	PL19	-77.50750043	39.04670579
WJ837	1.180313	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	100.00	PL19	-77.5067749	39.04634911
WJ843	2.107195	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	61.28	PL19	-77.5047456	39.04688585
WJ859	1.883123	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	78.69	PL19	-77.49769913	39.03997072
WJ875	9.694676	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	75.43	PL19	-77.49595111	39.04051215
WJ886	11.628497	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	34.64	PL19	-77.50673593	39.05249692
WJ887	5.241045	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	PUBLIC	79.94	PL19	-77.50736496	39.05352501
WJ91	1.638340	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	64.85	PL45	-77.51358061	38.92248574
WJ911	4.743790	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	41.46	PL19	-77.50918693	39.0534612
WJ917	1.605545	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	50.48	PL19	-77.51007487	39.054957
WJ924	1.821797	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	60.44	PL19	-77.50957455	39.05665657
WJ929	11.710556	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	35.08	PL19	-77.51308028	39.05713508
WJ950	3.085113	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	25.32	PL19	-77.51334729	39.05591161
WJ967	7.780628	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	66.55	PL19	-77.51149271	39.05626805
WJ972	0.320370	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	31.25	PL19	-77.51150142	39.05494398
WJ973	8.116172	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	31.25	PL19	-77.51132032	39.05334078
WJ998	5.418419	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	VACANT_ENTITLED	18.31	PL14	-77.51687264	39.05682037
WP2621	0.727891	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	56.11	PL17	-77.52477782	38.96988495
WP3201	0.913373	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	10.33	PL45	-77.50074258	38.91315871
WP3483	7.200089	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	22.99	PL19	-77.46139122	39.05123434
WP3520	2.755815	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	51.42	PL17	-77.50152451	39.00211943
WP3521	0.554550	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	28.24	PL17	-77.50153786	39.00140358
WP3522	0.291642	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	44.82	PL17	-77.50204072	39.0008581
WP3523	1.860901	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	49.51	PL14	-77.52225249	39.00142846
WP3524	16.373869	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFD	37.49	PL14	-77.52483008	39.00226951
WP3526	2.093742	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	48.83	PL14	-77.52671458	39.00304064
WP3527	0.848546	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	57.83	PL14	-77.52893243	39.0032992
WP3528	10.455414	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	41.21	PL14	-77.52560777	39.00363897
WP3537	6.166573	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	50.19	PL19	-77.50984495	39.01012519
WP3538	1.309890	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	95.40	PL19	-77.45940939	39.0030222
WP3539	2.419860	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	99.28	PL19	-77.4581968	39.00388459
WP3541	2.756913	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	93.03	PL19	-77.45923104	39.00407531
WP3546	10.230162	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	65.34	PL17	-77.50721668	38.98186313
WP3547	5.958441	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	56.31	PL17	-77.5086741	38.97969663
WP3548	2.715344	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	25.38	PL14	-77.52800548	39.00152164

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
WP3554	0.923177	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	MULTI_USE	9.57	PL14	-77.53072303	38.99726771
WP3555	0.361075	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	8.60	PL14	-77.53098551	38.99665227
WP3557	1.439508	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_OTHER_PUBLIC	13.84	PL14	-77.53135056	38.99592913
WP3560	1.629569	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	56.01	PL17	-77.50844169	38.97878329
WP3563	10.087834	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_MFST	39.09	PL14	-77.53544935	38.98782922
WP3564	1.455190	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	MULTI_USE	0.27	PL14	-77.53741948	38.98886612
WP3565	0.064083	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	94.70	PL14	-77.5366236	38.98982854
WP3566	1.734906	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFA	62.61	PL14	-77.53564669	38.98941715
WP3567	2.262964	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	0.07	PL14	-77.53646487	38.99074345
WP3568	5.595214	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	HOA	16.16	PL14	-77.53741069	38.9869513
WP3569	1.995682	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	100.00	PL19	-77.46307851	39.02155727
WP3570	3.120255	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	100.00	PL19	-77.4617609	39.02121971
WP3571	1.701197	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	100.00	PL19	-77.46433375	39.02122741
WP3572	1.180442	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	100.00	PL19	-77.46508962	39.02069384
WP3573	6.115963	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	100.00	PL19	-77.46355436	39.02067962
WP3574	8.623174	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	99.31	PL19	-77.46307803	39.01984705
WP3578	0.085531	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	22.18	PL19	-77.462884	39.02633686
WP3579	0.359176	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_LIGHT_IND_FLEX	30.91	PL19	-77.46253124	39.02548221
WP3580	0.443918	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	5.34	PL19	-77.46299765	39.02491169
WP3581	0.248929	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	51.72	PL19	-77.46384103	39.02881471
WP3582	7.056944	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	46.46	PL19	-77.46461869	39.02803364
WP3583	2.227814	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	67.48	PL19	-77.46701257	39.02825528
WP3584	0.158195	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	78.77	PL19	-77.46756922	39.02877379
WP3585	14.641097	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	77.31	PL19	-77.46697798	39.0263786
WP3586	0.428952	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	70.47	PL19	-77.46870171	39.02803397
WP3587	0.915542	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_DATA_CENTER	2.22	PL19	-77.45058526	39.02804526
WP3588	0.526044	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.45481815	39.02917159
WP3589	0.800462	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.45451445	39.02982948
WP3590	6.128322	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	93.49	PL19	-77.45691573	39.03040666
WP3591	0.426019	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.45634857	39.03228325
WP3592	7.958163	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.45575237	39.0306211
WP3593	6.580521	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	100.00	PL19	-77.45475191	39.03123474
WP3594	0.641544	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MULTI_USE	0.15	PL19	-77.45835337	39.03194274
WP3607	1.782323	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFD	69.77	PL42	-77.56308232	38.9207381
WP3608	1.594257	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFA	57.26	PL42	-77.56262012	38.92161261
WP3609	1.501569	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	52.29	PL42	-77.56175498	38.92105256
WP3610	4.570198	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	RES_SFA	38.23	PL42	-77.56198401	38.92032122
WP3611	1.258157	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	57.11	PL42	-77.56062516	38.92115702
WP3612	0.331620	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	21.36	PL42	-77.56258812	38.91907335
WP3613	0.476040	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	11.63	PL42	-77.56299526	38.9187745
WP3614	5.177416	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	46.64	PL42	-77.55537151	38.92128932
WP3615	6.397626	20700100701	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Upper Bull Run	HOA	49.92	PL42	-77.55589492	38.92266409
WP3618	3.509923	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	34.21	PL17	-77.54323661	38.93648424
WP3620	0.197753	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OFFICE_GENERAL	36.41	PL17	-77.54466567	38.93659159
WP3621	4.264899	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_MFST	58.01	PL17	-77.54343235	38.93591145
WP3622	7.197313	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_MFST	86.85	PL17	-77.54261248	38.93478953
WP3627	12.749518	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	51.95	PL45	-77.53200483	38.92333632
WP3628	3.254324	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	61.16	PL45	-77.52984512	38.92400098
WP3629	1.051899	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	71.66	PL45	-77.53209378	38.92466506
WP3630	3.903023	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	59.95	PL45	-77.52920507	38.92337013
WP3631	5.007000	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	COM_RETAIL	68.63	PL45	-77.52190793	38.92639579
WP3632	0.481983	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	HOA	88.85	PL45	-77.50048857	38.91345211
WP3635	10.894498	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFA	55.20	PL45	-77.49637983	38.91328151
WP3637	12.034686	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	56.04	PL45	-77.49661166	38.91050719
WP3638	1.646207	20700100704	Yes	Bull Run (Bacteria/Benthic), Chesapeake Bay	Cub Run	RES_SFD	68.84	PL45	-77.49440723	38.91049988
WP3647	10.747276	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_CHURCH	99.53	PL19	-77.41756443	39.01229448
WP3648	1.145805	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_CHURCH	100.00	PL19	-77.41941625	39.01142367
WP3651	0.095246	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.42810668	39.04178463
WP3652	1.335641	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.42718117	39.04205531
WP3653	1.099262	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	100.00	PL19	-77.42736873	39.04110373

Loudoun County Virginia
Regulated MS4 Outfall Table

FCTID	Regulated Acres	HUC Code	Impaired	TMDL Name	Receiving Water	Majority Land Use	Majority Land Use Percent	VAHU6	Longitude	Latitude
WP3654	0.831453	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	97.54	PL19	-77.42857254	39.03972449
WP3655	0.806504	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	VACANT_ENTITLED	34.88	PL19	-77.42904491	39.03870116
WP3669	14.771264	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	51.84	PL17	-77.52932684	38.971058
WP3675	0.498246	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	65.87	PL17	-77.52463483	38.9689044
WP3676	3.216048	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	49.55	PL17	-77.5242209	38.9691704
WP3677	2.076553	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFA	63.07	PL17	-77.52367655	38.96820118
WP3678	7.743464	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	71.10	PL17	-77.52397232	38.97031525
WP3679	28.275476	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	COM_OTHER_PUBLIC	68.98	PL17	-77.52763669	38.97273722
WP3680	22.000387	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	HOA	47.11	PL17	-77.53221552	38.97148293
WP3682	21.762077	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	RES_SFA	38.16	PL14	-77.52327907	39.04497717
WP3685	13.172673	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_RETAIL	90.95	PL14	-77.52192094	39.04304585
WP3686	8.344984	20700080702	Yes	Goose Creek (Benthic), Chesapeake Bay	Big Branch - Goose Creek	COM_RETAIL	16.62	PL14	-77.52367998	39.04213833
WP3690	5.116544	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_OTHER_NON_PUBLIC	46.15	PL19	-77.45709622	39.04952686
WP3691	2.412529	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	26.88	PL19	-77.45457392	39.04946601
WP3692	2.361288	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFA	15.69	PL19	-77.45325455	39.04898083
WP3693	1.508654	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	COM_RETAIL	26.52	PL19	-77.45348795	39.04878246
WP3694	6.814862	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	33.81	PL19	-77.4546064	39.04370845
WP3695	0.324832	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	80.01	PL19	-77.45329643	39.04599029
WP3697	1.005822	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	HOA	54.41	PL19	-77.45406683	39.04603228
WP3698	0.644226	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	RES_SFD	12.13	PL19	-77.4538641	39.04534827
WP3699	0.305679	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	9.62	PL17	-77.53107191	38.97471473
WP3700	22.350270	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	61.96	PL17	-77.53121027	38.97694272
WP3701	0.461243	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	VACANT_ENTITLED	0.54	PL17	-77.53090949	38.97519727
WP3705	5.896033	20700080901	No	Chesapeake Bay	Lenah Run - Broad Run	RES_SFD	66.98	PL17	-77.5346661	38.97776458
Z17_2S	44.706115	20700080903	No	Chesapeake Bay	Beaverdam Run - Broad Run	MISC	67.39	PL19	-77.47350097	39.01223734

Appendix F

Dry Weather Screening



August 31, 2022

Mr. Michael Donnelly
Stormwater Engineer Assistant
Loudoun County
Department of General Services
MSC #48
P.O. Box 7100
801 Sycolin Road SE, Suite 300
Leesburg, VA 20175

RE: Permit 4/Year 4 (FY2022) – Illicit Discharge Detection & Elimination Program (IDDE) Dry Weather Screening Report of Findings

Dear Mr. Donnelly:

To support Loudoun County's compliance with its submitted Phase II Municipal Separate Storm Sewer System (MS4) Program Plan and the County's Illicit Discharge Detection and Elimination (IDDE) Procedure (Version 3, January 20, 2022), GKY & Associates, Inc. (GKY) conducted visual dry weather screening inspections on 276 outfalls. These outfalls were selected because their associated drainage areas were identified as having a high potential for illicit discharges.

The inspections included a visual evaluation of the conditions observed at each outfall. GKY documented each inspection using an electronic field inspection form and obtained photo documentation. If the field team observed dry weather flow, the source was investigated and samples were collected if a potential or actual illicit discharge was discovered.

Per the County's IDDE Procedure, field samples were analyzed for temperature, conductivity, pH, turbidity, chlorine, and ammonia. If these field analyses indicated an exceedance of the field sampling benchmark criteria, additional samples were collected for further analysis. Laboratory analysis was conducted in a certified laboratory for ammonia, fluoride, surfactants, potassium, oil and grease, and total petroleum hydrocarbon (TPH) as outlined in Addendum 2, Dry Weather Screening Protocol (January 2022). Bacteria analysis was conducted by GKY field staff using Coliscan Easygel's growth media. The results of the field and analytic sampling are provided in **Attachment 1**. Laboratory analysis reports may be provided upon request.

Dry Weather Screening Results

GKY categorized the 277 screened outfalls into one (1) of four (4) categories (*Illicit*, *Suspect – Investigate*, *Suspect – Monitor*, and *Clear*). The results of the inspections are summarized in **Table 1** and **Attachment 1** provides a tabular summary of the data associated with each outfall screened, sorted by the aforementioned categories. **Tables 2-5** summarize the results for each category and **Attachments 2-5** include reports associated with each of the categories.

Table 1. Cumulative Outfall Statistics Summary

Category	Total No. Outfalls	% of Total Outfalls (277)
Illicit	7	2.53
Suspect – Investigate	9	3.25
Suspect – Monitor	14	5.05
Clear	247	89.17
Total	277	100%

Please note that the tabular summary in **Attachment 1** contains 302 total records, as flow at several outfalls was traced to two (2) or more separate sources within the drainage area; therefore, multiple inspection reports were generated for each of those outfalls. In instances where multiple sources were investigated the outfall was categorized by the most severe category for potential illicit discharge (in order of *Illicit*, *Suspect – Investigate*, *Suspect – Monitor*, then *Clear*). For example, if the outcome of two (2) investigations for an outfall yielded one (1) *Clear* source and one (1) *Illicit* source the outfall is categorized as *Illicit*.

Suspect – Investigate

Suspect – Investigate outfalls presented a high exceedance of one or more water quality indicators and/or physical indicators of an illicit discharge with insufficient flow for sampling or identification of a potential source of pollutants; therefore, required further investigation to determine a source and/or origin.

Suspect – Investigate outfalls met one or more of the following conditions:

1. Unknown flow originating from a location that would be expected to have pollutants (i.e., carwash or pool) but insufficient flow to collect a sample.
2. Strong and obvious physical indicator(s) of an illicit discharge but no active discharge (i.e., concrete slurry in the bottom of the outfall pipe).
3. Significant exceedance of one or more water quality field indicators or show possible evidence of illicit discharge.

The number of outfalls categorized within the *Suspect – Investigate* category is shown in **Table 3**.

Table 3. Outfalls Categorized as Suspect – Investigate

Category	No. of Outfalls	% of Total Outfalls (277)
Suspect – Investigate	9	3.25%

Attachment 1 contains a table that displays the results of the investigation including observations, field testing results, analytical testing results, and recommended follow-up actions for the outfalls categorized as *Suspect-Investigat*e. **Attachment 3** includes digital

copies of the inspection form, photolog, and a photo location map for each outfall categorized as *Suspect – Investigate*.

Suspect – Monitor

Suspect – Monitor outfalls presented possible evidence of previous illicit discharge or other minor issues that did not warrant investigation; therefore, should be cataloged for future analysis to determine potential indicator trends.

Suspect – Monitor outfalls met one or more of the following conditions:

1. Evidence of a previous illicit discharge, such as staining.
2. Physical indicators such as algal mats or brown algae downstream of outfall without a discernable upstream source of indicator of an illicit discharge.
3. Significant trash, sediment, or debris.
4. Slight exceedances of up to two water quality field indicator pass criteria, but without any other indicators of an illicit discharge.
5. Flow from unknown/unmapped pipe with insufficient flow to collect samples, no physical indicators, and flow originating from an area that would not be expected to have pollutants (i.e., residential/roof drains).

The number of outfalls categorized within the *Suspect – Monitor* category is shown in **Table 4**.

Table 4. Outfalls Categorized as *Suspect – Monitor*

Category	No. of Outfalls	% of Total Outfalls (277)
Suspect – Monitor	14	5.05%

Attachment 1 contains a table that displays the results of the investigation including observations, field testing results, analytical testing results, and recommended follow-up actions for the outfalls categorized as *Suspect – Monitor*. **Attachment 4** includes digital copies of the inspection form, photolog, and a photo location map for each outfall categorized as *Suspect – Monitor*. Based on the observed conditions at *Suspect – Monitor* outfalls, no additional follow-up is required at this time.

Clear

Clear outfalls presented the following conditions:

- No dry weather flow at the time of the inspection;
- The outfall or upstream node was wet but not flowing; or
- Dry weather flow was observed at the outfall, but after investigation, the flow was determined not to be a potential or actual illicit discharge (e.g., the source was determined to originate from groundwater).

The number of outfalls subcategorized within the *Clear* category is shown in **Table 5**.

Table 5. Outfalls Categorized as *Clear*

Category	Sub Category	No. of Outfalls	% of Total Outfalls (277)
Clear*	Dry/Wet but Not Flowing	171	61.73%
	Non-Suspect Flow*	76	27.44%
	Not Found (Recommend Removal)	0	0%
TOTAL		247**	89.17%

*Where GKY observed dry weather flow, the inspection team investigated the source of the flow for each outfall by tracing the flow up the storm sewer system until the source could be identified. The source of flow for each of the outfalls contained in this category was classified as *Clear*. Based upon the County IDDE Procedure, GKY determined *Clear* outfalls to be free of concern, and noted observed flows as originating from one of the following sources:

- Groundwater
- Ponded water upstream
- SWM pond discharge
- Natural stream/channel
- Landscape irrigation water

****Attachment 1** presents records for 272 *Clear* outfalls because flow at several outfalls was traced to two (2) or more separate sources within the drainage area; therefore, multiple inspection reports were generated for each outfall.

Attachment 5 includes digital copies of the inspection form, photolog, and photo location map for each *Clear* outfall. Based on the observed conditions at *Clear* outfalls, no additional follow-up is required at this time.

Should you have any questions regarding the outfall inspection results presented in this report, please feel free to contact me at (703) 870-7000 or by email at mkuker@gky.com.

Sincerely,

GKY & Associates, Inc.



Maxwell E. Kuker
Water Resources Project Manager

Electronic Enclosures:

Attachment 1. Permit 4/Year 4 (FY2022) Dry Weather Field Screening Results Table (Excel and PDF)

Attachment 2. Permit 4/Year 4 (FY2022) Inspection Reports for Outfalls Categorized as *Illicit* (PDF)

Attachment 3. Permit 4/Year 4 (FY2022) Inspection Reports for Outfalls Categorized as *Suspect – Investigate (PDF)*

Attachment 4. Permit 4/Year 4 (FY2022) Inspection Reports for Outfalls Categorized as *Suspect – Monitor (PDF)*

Attachment 5. Permit 4/Year 4 (FY2022) Inspection Reports for Outfalls Categorized as *Clear (PDF)*

Attachment 1

Permit 4/Year 4 (FY2022) Dry Weather Field Screening Results Table

Attachment 2

Permit 4/Year 4 (FY2022) Inspection Reports for Outfalls Categorized as *Illicit*

Attachment 3

Permit 4/Year 4 (FY2022) Inspection Reports for Outfalls Categorized as *Suspect – Investigate*

Attachment 4

Permit 4/Year 4 (FY2022) Inspection Reports for Outfalls Categorized as *Suspect – Monitor*

Attachment 5

Permit 4/Year 4 (FY2022) Inspection Reports for Outfalls Categorized as *Clear*

Appendix G

IDDE

Outfall ID	LEx ID	Status	Source of Illicit Discharge	Date Discharge Observed	Date Discharge Reported	Method of Discovery	Investigation Resolution	Follow-up Activities	Date Investigation Closed
1504 Ribbon Limestone Ter Se	11876293	Closed	Vehicle Maintenance Activities	4/25/2022	4/25/2022	Resident Email	Isolated Incident	Public Education	5/2/2022
20828 Waterbeach Pl	10833294	Closed	Dumping - Debris	9/19/2021	9/19/2021	LEx	Isolated Incident	Public Education	9/22/2021
42152 Claudia Drive	12208305	Closed	Grease Bin	6/22/2022	6/22/2022	County Staff	No Action Required	None	7/19/2022
43112 John Mosby Hwy	10985238	Closed	Under investigation	10/15/2021	10/18/2021	Referral from other municipality	No Action Required	None	1/26/2022
43170 Gloucester Pkwy	11673247	Closed	Fueling Activities	3/15/2022	3/17/2022	Resident Email	No Action Required	Direct to relevant municipality	4/4/2022
745 East Main Street	10446619	Closed	Grease Bin	7/14/2021	7/14/2021	Resident Email	Isolated Incident	None	7/20/2021
801 Sycolin Rd #300	10985191	Closed	Washwater	10/18/2021	10/18/2021	Resident Email	None	None	10/26/2021
AB1928	11776538	Closed	Salt Storage	3/30/2022	4/5/2022	Dry Weather Screening	Source Eliminated	Public Education	6/8/2022
AB1935	12117638	Closed	Under investigation	3/30/2022	5/27/2022	Dry Weather Screening	No Action Required	None	6/8/2022
AB3403	12038736	Closed	HVAC Condensate - Commercial	3/7/2022	4/15/2022	Dry Weather Screening	Allowable Discharge	None	5/25/2022
AB552	11283141	Closed	Pool Water	12/21/2021	12/21/2021	Phone Call to County Staff	No Action Required	None	12/30/2021
AJ4009	10460236	Closed	Dumping - Unknown Material	7/15/2021	7/15/2021	Resident Email	Isolated Incident	Public Education	9/20/2021
CH11139	11994943	Closed	Dumping - Paint	5/17/2022	5/17/2022	LEx	Isolated Incident	Public Education	6/28/2022

Outfall ID	LEx ID	Status	Source of Illicit Discharge	Date Discharge Observed	Date Discharge Reported	Method of Discovery	Investigation Resolution	Follow-up Activities	Date Investigation Closed
CH1833	11861490	Closed	Not Applicable	4/25/2022	4/25/2022	Resident Email	No Action Required	Public Education	5/18/2022
CH1950_b	12039326	Closed	Groundwater	3/21/2022	5/2/2022	Dry Weather Screening	Allowable Discharge	None	5/25/2022
CH3907	12031311	Closed	Dumping - Debris	5/18/2022	5/18/2022	Resident Email	Isolated Incident	Public Education	6/6/2022
CH5836	10780238	Closed	Pool Water	9/9/2021	9/9/2021	Dry Weather Screening	No Action Required	Include in next year's Dry Weather Screening	9/7/2022
CP1123	11962288	Closed	Stone Cutting Activities	5/10/2022	5/10/2022	County Staff	Source Eliminated	Include in next year's Dry Weather Screening	7/8/2022
CP1555	11851912	Closed	Salt Storage	4/19/2022	4/19/2022	County Staff	Source Eliminated	Public Education	5/31/2022
CP9432	11673947	Closed	Salt Storage	3/17/2022	3/16/2022	Dry Weather Screening	Isolated Incident	Public Education	3/24/2022
DB106	11776639	Closed	None	4/6/2022	4/5/2022	Dry Weather Screening	Allowable Discharge	None	8/30/2022
DB1515_a	12038447	Closed	Groundwater	3/16/2022	5/2/2022	Dry Weather Screening	Allowable Discharge	None	5/25/2022
DB2400	10779770	Closed	Under investigation	9/9/2021	9/9/2021	Dry Weather Screening	Allowable Discharge	None	1/26/2022
DB2424	11710069	Closed	Pool Water	3/24/2022	3/24/2022	County Staff	Allowable Discharge	None	3/24/2022
DB2434	12128955	Open	Grease Bin	6/6/2022	6/6/2022	Phone Call to County Staff	Source Eliminated	None	N/A

Outfall ID	LEx ID	Status	Source of Illicit Discharge	Date Discharge Observed	Date Discharge Reported	Method of Discovery	Investigation Resolution	Follow-up Activities	Date Investigation Closed
DD34	11621436	Closed	Grease Bin	1/10/2022	1/10/2022	County Staff	Source Eliminated	Include in next year's Dry Weather Screening	7/8/2022
GC1540	12036705	Closed	Not Applicable	3/7/2022	4/15/2022	Dry Weather Screening	Allowable Discharge	None	5/25/2022
GC609	11283036	Closed	Vehicle Maintenance Activities	12/10/2021	12/10/2021	Resident Email	No Action Required	None	1/5/2022
JC10029	11678135	Closed	Not Applicable	3/15/2022	3/17/2022	County Staff	None	Public Education	4/20/2022
JC30243	12083781	Closed	Pool Water	5/31/2022	5/31/2022	Dry Weather Screening	No Action Required	Include in next year's Dry Weather Screening	6/8/2022
JC398	11569169	Closed	Grease Bin	2/24/2022	2/24/2022	LEx	Source Eliminated	Public Education	4/15/2022
JC4640	12065211	Open	Grease Bin	3/30/2022	5/26/2022	Dry Weather Screening	Ongoing	Issue additional NOV(s) per SOP	N/A
KW230	11690806	Open	Under investigation	3/16/2022	3/17/2022	Dry Weather Screening	Ongoing	Issue additional NOV(s) per SOP	N/A
ME1462	12033679	Closed	Vehicle Maintenance Activities	5/11/2022	5/11/2022	County Staff	Isolated Incident	Public Education	7/8/2022
ME2485	12064323	Closed	Dumping - Sediment	5/30/2022	5/30/2022	Resident Email	Isolated Incident	Public Education	7/8/2022
ME2500	12002150	Closed	Grease Bin	5/12/2022	5/12/2022	County Staff	No Action Required	None	5/18/2022

Outfall ID	LEx ID	Status	Source of Illicit Discharge	Date Discharge Observed	Date Discharge Reported	Method of Discovery	Investigation Resolution	Follow-up Activities	Date Investigation Closed
QC50107	11674732	Closed	Dumping - Unknown Material	3/10/2022	3/16/2022	County Staff	Source Eliminated	Include in next year's Dry Weather Screening	6/29/2022
RA1656	10780540	Closed	Dumping - Debris	9/5/2021	9/5/2021	LEx	Source Eliminated	None	9/13/2021
RA6354	11586406	Closed	Food Waste	2/10/2022	2/10/2022	County Staff	Source Eliminated	None	7/27/2022
UG0012	11774556	Closed	Dumping - Unknown Material	3/23/2022	4/5/2022	County Staff	No Action Required	Direct to relevant municipality	4/20/2022
WB30423	12080108	Closed	Pool Water	5/31/2022	5/31/2022	Dry Weather Screening	No Action Required	Include in next year's Dry Weather Screening	7/27/2022
WB30551	11803347	Closed	Maintenance Activities	3/2/2022	4/8/2022	County Staff	Allowable Discharge	None	5/16/2022
WJ2157	12033974	Open	Under investigation	5/11/2022	5/12/2022	Dry Weather Screening	Ongoing	Additional site visits per SOP	N/A
WT0002	11870886	Open	Dumping - Debris	3/31/2022	3/31/2022	County Staff	Ongoing	Issue additional NOV(s) per SOP	N/A

Appendix H

Erosion and Sedimentation

L. Preston Bryant, Jr.
Secretary of Natural
Resources



Joseph H. Maroon
Director

COMMONWEALTH of VIRGINIA
DEPARTMENT OF CONSERVATION AND RECREATION

203 Governor Street, Suite 206
Richmond, Virginia 23219
Phone: (804) 786-2064 Fax: (804) 786-1798

RECEIVED
NOV 28 2007
PLANNING AND DEVELOPMENT

November 20, 2007

Mr. Kirby Bowers
County Administrator
Loudoun County
P.O. Box 7000
Leesburg, VA 20177-7000

Re: Loudoun County's Erosion and Sediment Control Program

Dear Mr. Bowers:

In response to information presented to the Virginia Soil and Water Conservation Board by the Department of Conservation and Recreation staff, the Board approved the following motion:

"The Virginia Soil and Water Conservation Board commends Loudoun County for successfully improving the County's Erosion and Sediment Control Program to become fully consistent with the requirements of the Virginia Erosion and Sediment Control Law and Regulations, thereby providing better protection for Virginia's soil and water resources."

We congratulate Loudoun County on this substantial accomplishment and recognize the County's efforts to proactively protect Virginia's soil and water resources through implementation of effective erosion and sediment control.

Sincerely,

A handwritten signature in black ink that reads "Joseph H. Maroon".

Joseph H. Maroon
Director

cc: Kevin Haile, Loudoun County Erosion and Sediment Control Program Administrator
Kelly Vanover, DCR Warrenton Regional Manager
Eric R. Capps, DCR Erosion and Sediment Control Program Manager
*State Parks • Soil and Water Conservation • Natural Heritage • Outdoor Recreation Planning
Chesapeake Bay Local Assistance • Dam Safety and Floodplain Management • Land Conservation*

Appendix I

VSMP Statement



Loudoun County, the permittee, submitted stormwater management facility information for this permit cycle through the Virginia Construction Stormwater General Permit database for all land disturbing activities for which the permittee was required to obtain coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities.

A handwritten signature in blue ink that reads "James P. Edmonds". The signature is written over a horizontal line.

Name: James P. Edmonds

Title: Va. Stormwater Management Program Administrator, Dept. of Building & Development

Appendix J

BMP Inspections

Loudoun County Virginia

BMPs Identified Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	BMP Sub Type	Acres Treated	Pervious Acres	Imperv. Acres	Online Date	VAHUC6	Owner	Maint. Agmnt.	Last Inspection	Longitude	Latitude
BT0125	Bioret		3.47	2.90	0.57	10/1/2021	PL20	County	Yes	On Bond	-77.456865	39.070832
BT0129	Bioret		0.50	0.32	0.18	2/8/2022	PL19	County	Yes	On Bond	-77.440104	39.018958
BT0130	Bioret		0.82	0.41	0.41	2/8/2022	PL19	County	Yes	On Bond	-77.453355	39.033962
BT0131	Bioret		4.23	2.52	1.71	2/23/2022	PL19	County	Yes	On Bond	-77.436741	39.001341
BT0132	Bioret		0.61	0.32	0.28	2/23/2022	PL19	County	Yes	On Bond	-77.438085	39.003150
BT0133	Bioret		1.00	0.18	0.82	2/23/2022	PL19	Private	Yes	6/14/2022	-77.491175	39.011575
UG0178	Undrgrnddet		4.16	3.98	0.18	10/1/2021	PL19	Private	Yes	On Bond	-77.434228	39.027122
UG0179	BayFilter		0.57	0.57	0.00	10/1/2021	PL19	Private	Yes	On Bond	-77.434351	39.027344
UG0180	Strmftr		11.97	3.43	8.54	10/1/2021	PL19	Private	Yes	On Bond	-77.434639	39.025769
UG0181	Undrgrnddet		0.41	0.00	0.41	10/1/2021	PL19	County	Yes	On Bond	-77.460886	39.039091
UG0182	Undrgrnddet		0.22	0.00	0.22	10/1/2021	PL19	County	Yes	On Bond	-77.460899	39.038805
UG0183	Undrgrnddet		0.68	0.00	0.68	10/1/2021	PL19	County	Yes	On Bond	-77.460109	39.038170
WP0089	Pnd_Wet		11.80	5.36	6.43	10/1/2021	PL19	County	Yes	On Bond	-77.435270	39.025991
WP0092	Pnd_Wet		5.66	5.28	0.38	1/18/2022	PL19	County	Yes	On Bond	-77.481971	39.068888
WP0094	Pnd_Wet	Retention	4.51	2.18	2.33	2/8/2022	PL19	County	Yes	On Bond	-77.439580	39.017876
WP0095	Pnd_Wet	Retention	1.46	1.46	0.00	2/8/2022	PL19	County	Yes	On Bond	-77.440671	39.017734
WP0096	Pnd_Wet		2.75	2.35	0.39	2/8/2022	PL19	County	Yes	On Bond	-77.451512	39.034603
WT0003	Wetland		0.72	0.72	0.00	10/1/2021	PL19	County	Yes	On Bond	-77.460338	39.038811
BT0126	Bioret		0.00	0.00	0.00	12/8/2021	**	County	Yes	On Bond	-77.436203	38.997730
BT0127	Bioret		0.00	0.00	0.00	12/8/2021	**	County	Yes	On Bond	-77.436912	38.997773
BT0128	Bioret		0.00	0.00	0.00	12/8/2021	**	County	Yes	On Bond	-77.436166	38.995541
BT0139	Bioret		0.00	0.00	0.00	5/9/2022	**	County	Yes	On Bond	-77.566563	38.919052
BT0147	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.495787	38.918472
BT0148	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.495955	38.918270
BT0149	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.495991	38.917984
BT0150	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.496098	38.916848
BT0151	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.496111	38.916608
BT0152	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.496123	38.916355
BT0153	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.493873	38.917858
BT0154	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.493891	38.917612
BT0155	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.493903	38.917401
BT0156	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.493979	38.916526
BT0157	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.493996	38.916319
BT0158	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.494003	38.916108
BT0159	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.494025	38.915875
BT0160	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.493372	38.915763
BT0161	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.493677	38.916209
BT0162	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.493575	38.917599
BT0163	Bioret		0.00	0.00	0.00	6/29/2022	**	County	Yes	On Bond	-77.493180	38.918003
DS0028	Dry_Swale		0.00	0.00	0.00	6/30/2022	**	County	Yes	On Bond	-77.446487	38.983022
FT0060	Fltrra		0.00	0.00	0.00	5/5/2022	**	County	Yes	On Bond	-77.431202	39.006702
FT0061	Fltrra		0.00	0.00	0.00	5/5/2022	**	County	Yes	On Bond	-77.431645	39.008201
FT0062	Fltrra		0.00	0.00	0.00	5/9/2022	**	County	Yes	On Bond	-77.377608	39.048758
PA0018	Pervious_Pavement		0.00	0.00	0.00	10/1/2021	**	Private	Yes	On Bond	-77.480972	39.074332
PA0019	Pervious_Pavement		0.00	0.00	0.00	10/1/2021	**	Private	Yes	On Bond	-77.481277	39.074473
UG0184	Undrgrnddet	StormTech	0.00	0.00	0.00	10/1/2021	**	Private	Yes	On Bond	-77.480218	39.075382
UG0185	Undrgrnddet	StormTech	0.00	0.00	0.00	10/1/2021	**	Private	Yes	On Bond	-77.481413	39.075406
UG0190	CDS		0.00	0.00	0.00	3/28/2022	**	Private	Yes	On Bond	-77.432906	39.006450
UG0191	Jellyfish		0.00	0.00	0.00	3/28/2022	**	Private	Yes	On Bond	-77.432338	39.006319
UG0192	Jellyfish		0.00	0.00	0.00	3/28/2022	**	Private	Yes	On Bond	-77.431757	39.005933
UG0193	CDS		0.00	0.00	0.00	5/5/2022	**	County	Yes	On Bond	-77.430926	39.005752
UG0194	CDS		0.00	0.00	0.00	5/5/2022	**	County	Yes	On Bond	-77.432683	39.009277
UG0197	Jellyfish		0.00	0.00	0.00	5/9/2022	**	Private	Yes	On Bond	-77.467170	39.011174
UG0200	Jellyfish		0.00	0.00	0.00	6/30/2022	**	Private	Yes	On Bond	-77.474172	39.008879

Loudoun County Virginia

BMPs Identified Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	BMP Sub Type	Acres Treated	Pervious Acres	Imperv. Acres	Online Date	VAHUC6	Owner	Maint. Agmnt.	Last Inspection	Longitude	Latitude
UG0201	Jellyfish		0.00	0.00	0.00	6/30/2022	**	Private	Yes	On Bond	-77.471987	39.012943
UG0202	Barracuda	Barracuda_S8	0.00	0.00	0.00	6/30/2022	**	Private	Yes	On Bond	-77.469889	39.013460
UG0203	Jellyfish		0.00	0.00	0.00	6/30/2022	**	Private	Yes	On Bond	-77.472954	39.012687
UG0204	Jellyfish		0.00	0.00	0.00	6/30/2022	**	Private	Yes	On Bond	-77.470921	39.013184
UG0205	Undrgrnddet		0.00	0.00	0.00	6/30/2022	**	Private	Yes	On Bond	-77.468958	39.013925
UG0206	Undrgrnddet		0.00	0.00	0.00	6/30/2022	**	Private	Yes	On Bond	-77.474353	39.009038
UG0207	CDS		0.00	0.00	0.00	6/30/2022	**	County	Yes	On Bond	-77.446950	38.982805
UG0208	CDS		0.00	0.00	0.00	6/30/2022	**	County	Yes	On Bond	-77.445898	38.982940
UG0210	Undrgrnddet		0.00	0.00	0.00	6/30/2022	**	Private	Yes	On Bond	-77.450579	39.051842
UG0211	Undrgrnddet		0.00	0.00	0.00	6/29/2022	**	Private	Yes	On Bond	-77.487702	39.039450
UG0212	Strmftr		0.00	0.00	0.00	6/29/2022	**	Private	Yes	On Bond	-77.487720	39.039312
WP0090	Pnd_Wet		0.00	0.00	0.00	12/8/2021	**	County	Yes	On Bond	-77.436666	38.997116
WP0093	Pnd_Wet		0.00	0.00	0.00	1/24/2022	**	County	Yes	On Bond	-77.469170	38.996747
WP0097	Pnd_Wet	Retention	0.00	0.00	0.00	5/5/2022	**	County	Yes	On Bond	-77.432832	39.009529
WP0098	Pnd_Wet	Retention	0.00	0.00	0.00	5/5/2022	**	County	Yes	On Bond	-77.432192	39.005847
WP0099	Pnd_Wet	Retention	0.00	0.00	0.00	5/9/2022	**	County	Yes	On Bond	-77.540903	38.913208
WP0100	Pnd_Wet	Retention	0.00	0.00	0.00	5/9/2022	**	County	Yes	On Bond	-77.542927	38.910477
WP0107	Pnd_Wet	Retention	0.00	0.00	0.00	6/30/2022	**	County	Yes	On Bond	-77.415797	39.035446

Loudoun County Virginia

BMP Inspections (Private Ownership) Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	Inspection Date	Functioning As Designed	Enforcement Action Taken
AB1658A	Underground Detention	2022-01-10	Not Fx as designed	Maintenance Required Letter Sent
AJ847	Pnd_Dry	2022-02-16	Not Fx as designed	Maintenance Required Letter Sent
BC26	Underground Detention	2022-01-25	Fx as designed	Preventative Maintenance Letter Sent
BC34	Pnd_Dry	2021-12-29	Fx as designed	Preventative Maintenance Letter Sent
BC40	Underground Detention	2022-01-06	Not Fx as designed	Maintenance Required Letter Sent
CH2034	Pnd_Dry	2022-01-10	Fx as designed	Preventative Maintenance Letter Sent
CH8845	Pnd_Dry	2022-02-28	Not Fx as designed	Maintenance Required Letter Sent
CP8190	Stormceptor	2022-01-31	Fx as designed	Preventative Maintenance Letter Sent
CP8301	Stormceptor	2022-01-31	Fx as designed	Preventative Maintenance Letter Sent
CP8690	Pnd_Wet	2022-01-21	Fx as designed	Preventative Maintenance Letter Sent
DD103	BaySaver	2021-12-21	Fx as designed	Preventative Maintenance Letter Sent
DD24	Undrgrnddet	2022-01-06	Fx as designed	Preventative Maintenance Letter Sent
DD25	Stormceptor	2022-01-06	Fx as designed	Preventative Maintenance Letter Sent
DD27	Underground Detention	2022-01-06	Fx as designed	Preventative Maintenance Letter Sent
DD28	StormFilter	2021-12-29	Fx as designed	Preventative Maintenance Letter Sent
DD30	StormFilter	2021-12-29	Fx as designed	Preventative Maintenance Letter Sent
DD62	BaySaver	2022-01-31	Fx as designed	Preventative Maintenance Letter Sent
DD63	BaySaver	2022-01-31	Fx as designed	Preventative Maintenance Letter Sent
DD77	StormTreat	2022-03-24	Not Fx as designed	Maintenance Required Letter Sent
DF119	Pnd_Wet	2022-04-25	Fx as designed	Preventative Maintenance Letter Sent
KS0369	Underground Detention	2022-01-04	Fx as designed	Preventative Maintenance Letter Sent
KS0390	Bioret	2021-09-30	Fx as designed	Preventative Maintenance Letter Sent
MD2890	Pnd_Wet	2022-04-19	Not Fx as designed	Maintenance Required Letter Sent
ME1529	Pnd_Dry	2022-03-14	Fx as designed	Preventative Maintenance Letter Sent
RA0365	Bioret	2021-09-30	Fx as designed	Preventative Maintenance Letter Sent
RJ0016	StormFilter	2022-01-06	Fx as designed	Preventative Maintenance Letter Sent
RJ0023	Underground Detention	2022-05-10	Fx as designed	Preventative Maintenance Letter Sent
RJ0136	Pnd_Dry	2022-01-21	Fx as designed	Preventative Maintenance Letter Sent
RJ0219	StormFilter	2022-02-01	Fx as designed	Preventative Maintenance Letter Sent
SP22	Underground Detention	2022-01-06	Not Fx as designed	Maintenance Required Letter Sent
SR735	Pnd_Dry	2022-03-14	Fx as designed	Preventative Maintenance Letter Sent
UG0037	Stormfilter	2022-04-19	Fx as designed	Preventative Maintenance Letter Sent
UG0038	Stormfilter	2022-04-19	Fx as designed	Preventative Maintenance Letter Sent
UG0118	Underground Detention	2022-05-26	Fx as designed	Preventative Maintenance Letter Sent
UG0119	Underground Detention	2022-05-26	Fx as designed	Preventative Maintenance Letter Sent
UG0120	Underground Detention	2022-05-26	Fx as designed	Preventative Maintenance Letter Sent
UG0121	Jellyfish	2022-05-26	Fx as designed	Preventative Maintenance Letter Sent
WP3096	BaySaver	2022-02-01	Fx as designed	Preventative Maintenance Letter Sent
KS0431	Bioret	8/19/2020	Fx as designed	Maintenance Required Letter Sent
KW81	Pnd_Wet	1/8/2021	Fx as designed	Maintenance Required Letter Sent
ME4584	Pnd_Wet	1/14/2021	Fx as designed	Preventative Maintenance Letter Sent
ME5386	Pnd_Dry	1/20/2021	Fx as designed	Preventative Maintenance Letter Sent
RC6	Pnd_Wet	12/2/2020	Fx as designed	Preventative Maintenance Letter Sent
RC7	Pnd_Wet	12/2/2020	Fx as designed	Preventative Maintenance Letter Sent
RC9	Pnd_Wet	12/2/2020	Fx as designed	Preventative Maintenance Letter Sent
RJ0023	Undrgrnddet	12/15/2020	Fx as designed	Preventative Maintenance Letter Sent
RJ0219	Strmftr	12/15/2020	Fx as designed	Preventative Maintenance Letter Sent
UG0037	Strmftr	12/28/2020	Not fx as designed	Maintenance Required Letter Sent
UG0038	Strmftr	12/18/2020	Not fx as designed	Maintenance Required Letter Sent
UG0047	Jellyfish	12/18/2020	Fx as designed	NA
UG0118	Undrgrnddet	12/15/2020	Fx as designed	Preventative Maintenance Letter Sent
UG0119	Undrgrnddet	12/15/2020	Fx as designed	NA
UG0120	Undrgrnddet	12/15/2020	Fx as designed	NA
UG0121	Jellyfish	12/15/2020	Fx as designed	NA

Loudoun County Virginia**BMP Inspections (Private Ownership) Within the MS4 Area from July 1, 2021 - June 30, 2022**

FCTID	BMP Type	Inspection Date	Functioning As Designed	Enforcement Action Taken
WB2277	Pnd_Wet	4/16/2021	Fx as designed	Preventative Maintenance Letter Sent
WB50050	Pnd_Wet	4/22/2021	Fx as designed	Preventative Maintenance Letter Sent
WB50052	Pnd_Wet	2/9/2021	Fx as designed	Preventative Maintenance Letter Sent
WJ1453	Pnd_Wet	1/8/2021	Fx as designed	Preventative Maintenance Letter Sent
WJ1636	Pnd_Wet	12/22/2020	Fx as designed	Preventative Maintenance Letter Sent
WJ1908	Pnd_Wet	4/6/2021	Fx as designed	Preventative Maintenance Letter Sent
WJ494	Pnd_Wet	4/22/2021	Fx as designed	Preventative Maintenance Letter Sent
WJ658	Pnd_Wet	1/13/2021	Fx as designed	Preventative Maintenance Letter Sent
WP3096	Baysvr	12/22/2020	Fx as designed	NA

Loudoun County Virginia

BMP Inspections (Public Ownership) Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	Inspection Date	Functioning As Designed	Description of Maintenance
AB110	Pnd_Dry	2022-02-11	Fx as designed	N/A
AB1304	Pnd_Dry	2022-01-10	Fx as designed	Preventative Maintenance Only
AB1350	Pnd_Dry	2022-01-10	Fx as designed	Preventative Maintenance Only
AB1418	Pnd_Wet	2022-01-10	Fx as designed	N/A
AB1433	Pnd_Dry	2022-01-10	Fx as designed	N/A
AB1648	Pnd_Dry	2022-01-10	Fx as designed	Preventative Maintenance Only
AB1703	Pnd_Dry	2022-01-10	Fx as designed	N/A
AB1935	CDS	2022-01-25	Fx as designed	N/A
AB1948	Pnd_Wet	2022-01-25	Fx as designed	N/A
AB1980	Pnd_Dry	2022-01-25	Fx as designed	N/A
AB2012	Pnd_Dry	2022-01-25	Fx as designed	Preventative Maintenance Only
AB2039	Undrgrmddet	2022-01-25	Fx as designed	N/A
AB2053	Undrgrmddet	2022-01-25	Fx as designed	N/A
AB258	Pnd_Dry	2022-02-11	Fx as designed	Preventative Maintenance Only
AB335	Pnd_Dry	2022-01-24	Fx as designed	N/A
AB343	Pnd_Dry	2022-01-24	Fx as designed	Preventative Maintenance Only
AB386	Pnd_Dry	2022-01-24	Fx as designed	Preventative Maintenance Only
AB668	Pnd_Dry	2022-02-11	Fx as designed	Preventative Maintenance Only
AB725	Pnd_Dry	2022-01-24	Fx as designed	N/A
AB845	Pnd_Dry	2022-01-24	Fx as designed	Preventative Maintenance Only
AJ11	Pnd_Dry	2022-01-25	Fx as designed	N/A
AJ1114	Pnd_Dry	2022-02-22	Not Fx as designed	Blockage at the low flow. Pipes AJ1090 and AJ1145-sediment and debris obstructions.
AJ1129	Pnd_Dry	2022-02-21	Fx as designed	Preventative Maintenance Only
AJ1185	Pnd_Dry	2022-02-21	Fx as designed	Preventative Maintenance Only
AJ1226	Pnd_Dry	2022-02-21	Fx as designed	Preventative Maintenance Only
AJ1232	Pnd_Wet	2022-02-21	Fx as designed	N/A
AJ1658	Pnd_Dry	2022-02-14	Fx as designed	Preventative Maintenance Only
AJ1684	Pnd_Wet	2022-02-15	Fx as designed	Preventative Maintenance Only
AJ1703	Pnd_Dry	2022-02-15	Fx as designed	Preventative Maintenance Only
AJ1755	Pnd_Dry	2022-01-14	Fx as designed	N/A
AJ180	Pnd_Dry	2022-01-25	Fx as designed	N/A
AJ191	Pnd_Dry	2022-02-14	Fx as designed	N/A
AJ20	Pnd_Dry	2022-01-25	Fx as designed	Preventative Maintenance Only
AJ2110	Pnd_Dry	2022-01-21	Fx as designed	N/A
AJ231	Pnd_Wet	2022-02-16	Fx as designed	N/A
AJ244	Pnd_Dry	2022-01-25	Fx as designed	Preventative Maintenance Only
AJ294	Pnd_Wet	2022-02-14	Fx as designed	Preventative Maintenance Only
AJ498	Pnd_Dry	2022-03-24	Fx as designed	Preventative Maintenance Only
AJ570	Strmcptr	2022-01-06	Fx as designed	N/A
AJ588	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
AJ665	Strmcptr	2022-01-06	Not fx as designed	Water level inside facility is low. May be blockage upstream or Stormceptor itself may be leaking water.
AJ769	Pnd_Dry	2022-02-22	Fx as designed	Preventative Maintenance Only
AJ783	Pnd_Dry	2022-02-16	Fx as designed	Preventative Maintenance Only
AJ801	Pnd_Dry	2022-02-21	Fx as designed	Preventative Maintenance Only
AJ829	Pnd_Dry	2022-02-21	Fx as designed	Preventative Maintenance Only
AJ845	Pnd_Dry	2022-02-16	Fx as designed	Preventative Maintenance Only
AJ884	Pnd_Dry	2022-02-21	Not Fx as designed	Remove the blockage at the low flow. Remove the woody vegetation from the dam.
AJ938	Pnd_Dry	2022-02-21	Fx as designed	Preventative Maintenance Only
BC1	Pnd_Dry	2022-01-10	Fx as designed	Preventative Maintenance Only
BC105	Pnd_Dry	2022-03-24	Not Fx as designed	Low flow is blocked. MD2652-debris obstruction.
BC108	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
BC109	Pnd_Dry	2022-03-08	Not Fx as designed	Blockage at the low flow.
BC110	Pnd_Dry	2022-03-14	Fx as designed	N/A
BC124	Undrgrmddet	2022-01-06	Fx as designed	N/A

Loudoun County Virginia

BMP Inspections (Public Ownership) Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	Inspection Date	Functioning As Designed	Description of Maintenance
BC125	Pnd_Dry	2022-02-11	Fx as designed	Preventative Maintenance Only
BC126	Pnd_Dry	2022-02-14	Fx as designed	Preventative Maintenance Only
BC127	Strmtrt	2021-12-22	Not fx as designed	Cannot access StormTreat Str. and buried outlet pipe. Bolts may need to be cut and replaced.
BC136	Baysvr	2022-06-09	Fx as designed	N/A
BC3	Pnd_Dry	2022-02-28	Fx as designed	Preventative Maintenance Only
BC30	Baysvr	2022-01-12	Not fx as designed	The low-flow opening to the storage manhole (MH2) is completely blocked.
BC31	Pnd_Dry	2022-01-25	Fx as designed	Preventative Maintenance Only
BC35	Pnd_Dry	2021-12-29	Fx as designed	N/A
BC36	Hydroguard	2021-12-22	Fx as designed	N/A
BC37	Strmftr	2022-01-06	Fx as designed	N/A
BC38	Undgrmddet	2022-01-06	Not fx as designed	Buried low-flow orifice and an area of complete CMP deterioration, making underlying gravel visible.
BC39	Baysvr	2022-01-24	Fx as designed	N/A
BC55	Pnd_Wet	2022-01-14	Fx as designed	N/A
BC57	Bioret	2021-09-10	Fx as designed	N/A
BC59	Pnd_Dry	2022-02-15	Fx as designed	N/A
BC60	Pnd_Wet	2022-02-01	Fx as designed	Preventative Maintenance Only
BC63	Pnd_Dry	2022-02-21	Fx as designed	Preventative Maintenance Only
BC64	Pnd_Dry	2022-03-15	Fx as designed	N/A
BC65	Pnd_Dry	2022-02-23	Fx as designed	Preventative Maintenance Only
BC68	Pnd_Wet	2022-02-01	Fx as designed	N/A
BC69	Pnd_Wet	2022-02-01	Fx as designed	N/A
BC7	Pnd_Dry	2022-01-25	Fx as designed	N/A
BC71	Undgrmddet	2022-01-05	Fx as designed	N/A
BC74	Strmtrt	2021-12-22	Not fx as designed	Cannot access StormTreat Str. and buried outlet pipe. Bolts may need to be cut and replaced.
BC75	Strmtrt	2021-12-22	Not fx as designed	Cannot access StormTreat Str. and buried outlet pipe. Bolts may need to be cut and replaced.
BC76	Strmtrt	2021-12-22	Not fx as designed	Cannot access StormTreat Str. and buried outlet pipe. Bolts may need to be cut and replaced.
BC77	Strmtrt	2021-12-22	Not fx as designed	Cannot access StormTreat Str. and buried outlet pipe. Bolts may need to be cut and replaced.
BC8	Pnd_Dry	2022-01-12	Fx as designed	Preventative Maintenance Only
BT0005	Bioret	2022-05-24	Fx as designed	N/A
BT0014	Bioret	2022-05-16	Fx as designed	Preventative Maintenance Only
BT0022	Bioret	2022-06-01	Fx as designed	N/A
BT0023	Bioret	2022-06-01	Fx as designed	N/A
BT0027	Bioret	2022-04-25	Fx as designed	N/A
BT0028	Bioret	2022-07-12	Fx as designed	N/A
BT0029	Bioret	2022-07-12	Fx as designed	N/A
BT0036	Bioret	2022-05-24	Fx as designed	Preventative Maintenance Only
BT0038	Bioret	2022-05-16	Fx as designed	N/A
BT0043	Bioret	2022-04-25	Fx as designed	Preventative Maintenance Only
BT0044	Bioret	2022-04-25	Fx as designed	Preventative Maintenance Only
BT0046	Bioret	2022-05-16	Fx as designed	N/A
BT0047	Bioret	2022-05-16	Fx as designed	N/A
BT0048	Bioret	2022-05-16	Fx as designed	N/A
BT0049	Bioret	2022-05-16	Fx as designed	N/A
BT0050	Bioret	2022-05-16	Fx as designed	N/A
BT0051	Bioret	2022-05-16	Fx as designed	N/A
BT0052	Bioret	2022-05-16	Fx as designed	N/A
BT0053	Bioret	2022-05-13	Fx as designed	N/A
BT0062	Bioret	2022-05-26	Fx as designed	N/A
BT0064	Bioret	2022-05-17	Fx as designed	N/A
BT0065	Bioret	2022-05-26	Fx as designed	Preventative Maintenance Only
BT0133	Bioret	2022-06-14	Fx as designed	Preventative Maintenance Only
CH1922	Pnd_Wet	2022-01-12	Fx as designed	Preventative Maintenance Only
CH2180	Pnd_Dry	2022-01-25	Fx as designed	Preventative Maintenance Only
CH2388	Pnd_Dry	2022-02-14	Fx as designed	N/A

Loudoun County Virginia

BMP Inspections (Public Ownership) Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	Inspection Date	Functioning As Designed	Description of Maintenance
CH2478	Pnd_Dry	2022-02-14	Fx as designed	Preventative Maintenance Only
CH25	Pnd_Dry	2022-02-11	Fx as designed	N/A
CH3180	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
CH3224	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
CH3246	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
CH3265	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
CH3284	Pnd_Dry	2022-03-08	Fx as designed	N/A
CH3294	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
CH3332	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
CH3410	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
CH3417	Pnd_Dry	2022-03-08	Fx as designed	N/A
CH3445	Pnd_Wet	2022-03-08	Fx as designed	Preventative Maintenance Only
CH3465	Pnd_Dry	2022-03-14	Fx as designed	N/A
CH3472	Pnd_Dry	2022-03-08	Fx as designed	N/A
CH3482	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
CH3522	Pnd_Dry	2022-03-14	Fx as designed	N/A
CH3568	Pnd_Dry	2022-02-28	Fx as designed	Preventative Maintenance Only
CH3653	Pnd_Dry	2022-02-23	Fx as designed	Preventative Maintenance Only
CH3703	Pnd_Dry	2022-02-23	Fx as designed	Preventative Maintenance Only
CH3722	Pnd_Wet	2022-02-23	Fx as designed	N/A
CH3994	Pnd_Dry	2022-02-23	Fx as designed	N/A
CH4115	Pnd_Dry	2022-02-14	Fx as designed	Preventative Maintenance Only
CH4116	Pnd_Dry	2022-01-25	Fx as designed	N/A
CH4135	Pnd_Wet	2022-02-28	Fx as designed	N/A
CH4149	Pnd_Dry	2022-02-23	Fx as designed	Preventative Maintenance Only
CH4206	Pnd_Wet	2022-02-28	Fx as designed	Preventative Maintenance Only
CH4243	Pnd_Dry	2022-02-23	Fx as designed	Preventative Maintenance Only
CH4249	Pnd_Dry	2022-02-23	Not Fx as designed	Outfall is blocked.
CH4311	Pnd_Wet	2022-02-23	Fx as designed	N/A
CH4573	Pnd_Dry	2022-04-19	Fx as designed	Preventative Maintenance Only
CH4586	Pnd_Dry	2022-02-16	Fx as designed	Preventative Maintenance Only
CH4615	Pnd_Dry	2022-02-16	Fx as designed	Preventative Maintenance Only
CH4646	Pnd_Dry	2022-02-22	Fx as designed	N/A
CH4684	Pnd_Dry	2022-02-21	Fx as designed	Preventative Maintenance Only
CH4702	Pnd_Dry	2022-02-22	Fx as designed	N/A
CH4726	Pnd_Dry	2022-02-23	Fx as designed	N/A
CH4739	Pnd_Dry	2022-02-23	Fx as designed	N/A
CH4789	Pnd_Dry	2022-02-22	Fx as designed	N/A
CH4809	Pnd_Dry	2022-02-22	Fx as designed	Preventative Maintenance Only
CH4821	Pnd_Dry	2022-02-22	Fx as designed	Preventative Maintenance Only
CH5745	Pnd_Wet	2022-01-10	Fx as designed	Preventative Maintenance Only
CH5856	Pnd_Dry	2022-01-12	Fx as designed	Preventative Maintenance Only
CH6231	Pnd_Wet	2022-02-15	Fx as designed	N/A
CH6270	Pnd_Dry	2022-01-25	Fx as designed	N/A
CH6580	Pnd_Wet	2022-02-15	Fx as designed	Preventative Maintenance Only
CH788	Pnd_Dry	2022-01-24	Not Fx as designed	Remove the blockage at the low flow orifice. Pipe CH687-debris obstruction
CH792	Pnd_Dry	2022-03-24	Fx as designed	N/A
CH8797	Pnd_Dry	2022-02-22	Fx as designed	Preventative Maintenance Only
CK1001	Pnd_Dry	2022-03-14	Fx as designed	N/A
CP10202	Pnd_Wet	2022-02-22	Fx as designed	Preventative Maintenance Only
CP10270	Pnd_Dry	2022-01-14	Fx as designed	Preventative Maintenance Only
CP10293	Strmftr	2022-01-05	Fx as designed	N/A
CP10299	CDS	2022-01-05	Fx as designed	N/A
CP10336	Strmftr	2022-01-05	Fx as designed	N/A

Loudoun County Virginia

BMP Inspections (Public Ownership) Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	Inspection Date	Functioning As Designed	Description of Maintenance
CP2411	Baysvr	2022-01-24	Fx as designed	N/A
CP2463	Strmftr	2022-01-05	Fx as designed	N/A
CP2471	Strmcptr	2021-12-22	Fx as designed	N/A
CP3115	Pnd_Dry	2022-02-28	Fx as designed	Preventative Maintenance Only
CP406	Bioret	2021-09-10	Fx as designed	Preventative Maintenance Only
CP407	Bioret	2021-09-10	Fx as designed	N/A
CP420	Bioret	2021-09-10	Fx as designed	Preventative Maintenance Only
CP421	Bioret	2021-09-10	Fx as designed	Preventative Maintenance Only
CP422	Bioret	2021-09-10	Fx as designed	N/A
CP439	Bioret	2021-09-10	Fx as designed	Preventative Maintenance Only
CP445	Bioret	2021-09-10	Fx as designed	N/A
CP446	Bioret	2021-09-10	Fx as designed	N/A
CP772	Undgrmddet	2022-01-04	Not fx as designed	Non-functional due to open or partially open dewatering valve as well as deterioration on Bilco doors.
CP8070	Pnd_Wet	2022-01-25	Fx as designed	Preventative Maintenance Only
CP8480	Pnd_Wet	2021-12-29	Fx as designed	N/A
CP8645	Strmftr	2022-01-05	Fx as designed	N/A
CP8648	Strmftr	2022-01-05	Fx as designed	N/A
CP8650	Strmftr	2022-01-05	Fx as designed	N/A
CP8695	Pnd_Wet	2022-01-21	Fx as designed	N/A
CP878	Bioret	2021-09-30	Fx as designed	N/A
CP8846	Bioret	2021-09-10	Fx as designed	Preventative Maintenance Only
CP9111	Bioret	2021-09-10	Fx as designed	N/A
CP9231	Pnd_Wet	2022-03-21	Fx as designed	N/A
CS12	Strmcptr	2022-01-10	Fx as designed	N/A
CS13	Bioret	2022-05-16	Fx as designed	Preventative Maintenance Only
CS14	Strmftr	2022-01-24	Fx as designed	N/A
CW2	Pnd_Dry	2021-12-29	Not Fx as designed	Trash rack blocked. Low flow blocked. CP10406-vegetation obstruction
CW8	Pnd_Dry	2021-12-29	Fx as designed	Preventative Maintenance Only
DB106	Pnd_Dry	2022-01-25	Fx as designed	Preventative Maintenance Only
DD104	Strmcptr	2021-12-21	Fx as designed	N/A
DD105	Strmcptr	2021-12-21	Fx as designed	N/A
DD111	Strmftr	2022-05-10	Not fx as designed	Water level within the filter chamber is very high, indicating a potential blockage in the underdrains.
DD112	Strmftr	2022-05-10	Fx as designed	N/A
DD118	Strmftr	2022-03-21	Fx as designed	N/A
DD120	Strmftr	2022-01-06	Fx as designed	N/A
DD122	Strmftr	2022-01-06	Fx as designed	N/A
DD23	Strmftr	2022-05-10	Fx as designed	N/A
DD32	Bioret	2022-06-01	Fx as designed	Preventative Maintenance Only
DD33	Strmcptr	2022-01-10	Not fx as designed	Drop pipe appears to be completely blocked, thus forcing water to bypass treatment.
DD39	Strmftr	2022-01-10	Fx as designed	N/A
DD43	Strmftr	2022-01-10	Fx as designed	N/A
DD5	Strmftr	2022-03-24	Fx as designed	N/A
DD51	Strmftr	2022-03-24	Fx as designed	N/A
DD54	Bioret	2022-06-01	Fx as designed	Preventative Maintenance Only
DD59	Pnd_Dry	2022-03-24	Fx as designed	N/A
DD61	Undgrmddet	2021-12-21	Not fx as designed	Control structure and outfall could not be located, indicating they are covered or buried.
DD68	Bioret	2021-09-30	Fx as designed	N/A
DD69	Bioret	2021-09-30	Fx as designed	N/A
DD70	Bioret	3021-09-30	Fx as designed	N/A
DD89	Baysvr	2022-01-05	Fx as designed	N/A
DD95	Bioret	2022-05-02	Fx as designed	N/A
DF118	Pnd_Wet	2022-02-01	Fx as designed	N/A
DF129	Bioret	2022-05-02	Fx as designed	N/A
DF130	Bioret	2022-05-02	Fx as designed	Preventative Maintenance Only

Loudoun County Virginia

BMP Inspections (Public Ownership) Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	Inspection Date	Functioning As Designed	Description of Maintenance
DF131	Bioret	2022-05-02	Fx as designed	N/A
DF141	Bioret	2022-06-07	Fx as designed	N/A
DF142	Bioret	2022-06-07	Fx as designed	N/A
DF143	Pnd_Dry	2022-01-21	Fx as designed	N/A
DF146	Strmftr	2022-01-21	Fx as designed	N/A
DF166	Bioret	2022-05-24	Fx as designed	N/A
DF167	Bioret	2022-05-24	Fx as designed	N/A
DF186	Pnd_Dry	2022-01-14	Fx as designed	Preventative Maintenance Only
DF201	Bioret	2022-05-26	Fx as designed	Preventative Maintenance Only
DF202	Bioret	2021-09-10	Fx as designed	Preventative Maintenance Only
DF209	Bioret	2022-05-16	Fx as designed	Preventative Maintenance Only
DF210	Bioret	2022-05-16	Fx as designed	Preventative Maintenance Only
DF214	Bioret	2022-05-16	Fx as designed	Preventative Maintenance Only
DF216	Undrgrnddet	2022-01-05	Fx as designed	N/A
DF218	Pnd_Dry	2022-02-11	Fx as designed	N/A
DF220	Bioret	2022-05-13	Fx as designed	Preventative Maintenance Only
DF221	Bioret	2022-05-13	Fx as designed	N/A
DF222	Bioret	2022-05-13	Fx as designed	N/A
DF223	Bioret	2022-05-13	Fx as designed	N/A
DF233	Bioret	2021-09-30	Fx as designed	N/A
DF234	Bioret	2021-09-30	Fx as designed	N/A
DF235	Bioret	2021-09-30	Fx as designed	N/A
DF237	Pnd_Dry	2022-01-25	Fx as designed	N/A
DF41	Bioret	2022-05-16	Fx as designed	Preventative Maintenance Only
DF42	Bioret	2022-05-16	Fx as designed	Preventative Maintenance Only
DF43	Strmftr	2022-01-21	Fx as designed	N/A
DF88	Bioret	2022-05-17	Fx as designed	Preventative Maintenance Only
DF89	Bioret	2022-05-17	Fx as designed	N/A
DF90	Bioret	2022-05-17	Fx as designed	N/A
DF95	Bioret	2022-05-17	Fx as designed	Preventative Maintenance Only
DK20002	Baysvr	2022-01-12	Not fx as designed	Water level very low. Primary separator manhole is leaking water.
DK20004	Strmftr	2022-01-12	Fx as designed	N/A
DK20006	Strmftr	2022-01-12	Fx as designed	N/A
DK20026	Strmftr	2022-04-19	Fx as designed	N/A
DK50002	Pnd_Dry	2022-02-22	Fx as designed	Preventative Maintenance Only
DP0055	Pnd_Dry	2022-03-10	Fx as designed	Preventative Maintenance Only
DW1	Pnd_Dry	2022-01-12	Fx as designed	Preventative Maintenance Only
DW148	Baysvr	2021-12-22	Fx as designed	N/A
DW151	Baysvr	2021-12-22	Fx as designed	N/A
GC187	Bioret	2022-05-24	Fx as designed	N/A
GC188	Bioret	2022-05-24	Fx as designed	N/A
GC189	Bioret	2022-05-24	Fx as designed	Preventative Maintenance Only
GC555	Pnd_Dry	2022-03-15	Fx as designed	Preventative Maintenance Only
JC50048	Pnd_Dry	2022-03-08	Fx as designed	Preventative Maintenance Only
KS0215	Bioret	2022-05-24	Fx as designed	Preventative Maintenance Only
KS0219	Pnd_Wet	2022-02-22	Fx as designed	N/A
KS0221	Pnd_Dry	2022-02-28	Fx as designed	Preventative Maintenance Only
KS0231	Bioret	2022-05-26	Fx as designed	N/A
KS0235	Bioret	2022-05-24	Fx as designed	N/A
KS0236	Bioret	2022-05-24	Fx as designed	Preventative Maintenance Only
KS0242	Bioret	2022-05-24	Fx as designed	N/A
KS0243	Bioret	2022-05-24	Fx as designed	N/A
KS0264	Pnd_Dry	2022-03-10	Fx as designed	N/A
KS0370	Bioret	2022-05-02	Fx as designed	N/A

Loudoun County Virginia

BMP Inspections (Public Ownership) Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	Inspection Date	Functioning As Designed	Description of Maintenance
KS0371	Bioret	2022-05-02	Fx as designed	N/A
KS0372	Bioret	2022-05-02	Fx as designed	N/A
KS0373	Bioret	2022-05-02	Fx as designed	N/A
KS0374	Bioret	2022-05-02	Fx as designed	N/A
KS0375	Bioret	2022-05-02	Fx as designed	N/A
KS0376	Bioret	2022-05-02	Fx as designed	N/A
KS0377	Bioret	2022-05-02	Fx as designed	N/A
KS0385	Bioret	2022-05-26	Fx as designed	Preventative Maintenance Only
KS0389	Bioret	2021-09-30	Fx as designed	N/A
KS0399	Bioret	2022-05-26	Fx as designed	Preventative Maintenance Only
KS0400	Strmcptr	2022-03-24	Fx as designed	N/A
KS0430	Bioret	2022-06-01	Fx as designed	N/A
KS0431	Bioret	2022-06-01	Fx as designed	N/A
KS0432	Strmftr	2022-01-06	Fx as designed	N/A
KS0433	Strmftr	2022-01-06	Fx as designed	N/A
KS0520	Pnd_Dry	2022-02-16	Fx as designed	N/A
KW77	Pnd_Dry	2022-01-21	Fx as designed	Preventative Maintenance Only
KW79	Pnd_Dry	2022-02-11	Fx as designed	Preventative Maintenance Only
KW80	Pnd_Dry	2022-02-11	Fx as designed	Preventative Maintenance Only
KW86	Baysvr	2022-01-24	Fx as designed	N/A
MD1270	Pnd_Wet	2022-01-25	Fx as designed	Preventative Maintenance Only
MD1429	Pnd_Wet	2022-01-25	Fx as designed	Preventative Maintenance Only
MD1481	Pnd_Dry	2022-01-12	Fx as designed	Preventative Maintenance Only
MD1561	Pnd_Dry	2022-01-12	Fx as designed	Preventative Maintenance Only
MD1745	Pnd_Dry	2022-03-10	Fx as designed	N/A
MD1769	Pnd_Dry	2022-03-10	Fx as designed	Preventative Maintenance Only
MD1811	Pnd_Dry	2022-03-10	Fx as designed	Preventative Maintenance Only
MD2052	Pnd_Dry	2022-03-10	Fx as designed	Preventative Maintenance Only
MD2092	Pnd_Dry	2022-03-10	Fx as designed	Preventative Maintenance Only
MD2230	Pnd_Dry	2022-03-10	Fx as designed	Preventative Maintenance Only
MD2512	Pnd_Wet	2022-04-19	Fx as designed	N/A
MD2573	Pnd_Wet	2022-04-19	Fx as designed	N/A
MD2619	Pnd_Dry	2022-03-10	Fx as designed	Preventative Maintenance Only
MD2683	Pnd_Dry	2022-04-19	Fx as designed	Preventative Maintenance Only
MD2871	Pnd_Dry	2022-04-19	Fx as designed	Preventative Maintenance Only
MD2967	Pnd_Dry	2022-04-19	Fx as designed	Preventative Maintenance Only
MD3	Pnd_Dry	2022-02-15	Fx as designed	Preventative Maintenance Only
MD3101	Pnd_Wet	2022-02-28	Fx as designed	N/A
MD3436	Pnd_Dry	2022-03-10	Fx as designed	Preventative Maintenance Only
MD3548	Pnd_Wet	2022-02-28	Fx as designed	Preventative Maintenance Only
MD414	Pnd_Dry	2022-01-25	Fx as designed	N/A
MD483	Pnd_Dry	2022-01-25	Fx as designed	Preventative Maintenance Only
MD96	Pnd_Wet	2022-02-15	Fx as designed	Preventative Maintenance Only
ME1220	Pnd_Dry	2021-12-29	Fx as designed	N/A
ME1262	Pnd_Dry	2021-12-29	Fx as designed	Preventative Maintenance Only
ME1278	Pnd_Dry	2021-12-29	Fx as designed	Preventative Maintenance Only
ME1423	Pnd_Dry	2021-12-29	Fx as designed	Preventative Maintenance Only
ME1462	Pnd_Dry	2021-12-29	Fx as designed	Preventative Maintenance Only
ME1476	Pnd_Dry	2021-12-29	Fx as designed	N/A
ME1519	Pnd_Dry	2022-03-14	Not Fx as designed	Remove the low flow blockage. ME1717 & ME1520-debris obstruction. ME1524-sediment obstruction
ME1578	Pnd_Dry	2022-03-14	Fx as designed	N/A
ME1653	Pnd_Dry	2022-03-14	Fx as designed	N/A
ME1802	Pnd_Dry	2022-03-14	Fx as designed	Preventative Maintenance Only
ME1817	Pnd_Dry	2022-03-14	Fx as designed	N/A

Loudoun County Virginia

BMP Inspections (Public Ownership) Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	Inspection Date	Functioning As Designed	Description of Maintenance
ME2183	Pnd_Wet	2022-02-15	Fx as designed	Preventative Maintenance Only
ME2316	Pnd_Dry	2022-02-16	Fx as designed	Preventative Maintenance Only
ME2316A	Pnd_Dry	2022-02-22	Fx as designed	Preventative Maintenance Only
ME2408	Pnd_Dry	2022-02-16	Fx as designed	Preventative Maintenance Only
ME2411	Pnd_Dry	2022-02-16	Fx as designed	Preventative Maintenance Only
ME2418	Pnd_Dry	2022-02-16	Fx as designed	Preventative Maintenance Only
ME2499	Pnd_Dry	2022-02-22	Fx as designed	Preventative Maintenance Only
ME265	Pnd_Dry	2022-02-11	Fx as designed	Preventative Maintenance Only
ME266	Pnd_Dry	2022-02-11	Fx as designed	Preventative Maintenance Only
ME2701	Pnd_Dry	2022-01-25	Fx as designed	N/A
ME2865	Pnd_Wet	2022-02-21	Fx as designed	N/A
ME315	Pnd_Dry	2022-02-14	Fx as designed	N/A
ME384	Pnd_Dry	2022-02-14	Fx as designed	Preventative Maintenance Only
ME422	Pnd_Dry	2022-02-14	Fx as designed	Preventative Maintenance Only
ME445	Pnd_Dry	2022-02-14	Fx as designed	Preventative Maintenance Only
ME4701	Pnd_Dry	2022-02-01	Fx as designed	Preventative Maintenance Only
ME491	Pnd_Dry	2022-02-11	Fx as designed	N/A
ME5076	Pnd_Wet	2022-02-01	Fx as designed	Preventative Maintenance Only
ME741	Pnd_Wet	2022-02-11	Fx as designed	N/A
ME869	Pnd_Dry	2022-03-24	Fx as designed	N/A
ME885	Pnd_Dry	2022-03-24	Fx as designed	Preventative Maintenance Only
QC50107	Pnd_Dry	2022-03-10	Fx as designed	Preventative Maintenance Only
RA0104	Strmcptr	2022-01-04	Fx as designed	N/A
RA0135	Strmcptr	2022-01-04	Fx as designed	N/A
RA0364	Bioret	2021-09-30	Fx as designed	N/A
RA5761	BayFilter	2022-01-04	Fx as designed	N/A
RJ0001	Strmftr	2022-01-25	Fx as designed	N/A
RJ0014	Bioret	2022-05-24	Fx as designed	N/A
RJ0015	Bioret	2022-05-24	Fx as designed	N/A
RJ0044	Bioret	2022-06-09	Fx as designed	Preventative Maintenance Only
RJ0073	Strmftr	2022-01-31	Fx as designed	N/A
RJ0075	Strmftr	2022-01-31	Fx as designed	N/A
RJ0147	Pnd_Dry	2022-02-23	Fx as designed	N/A
RJ0164	Strmftr	2022-01-06	Fx as designed	N/A
RJ0191	Strmftr	2022-01-31	Not fx as designed	Tree was restricting access to inflow. Heavy sediment/debris/gravel has built up inside the cartridge bay.
RJ0196	Strmcptr	2022-01-31	Not fx as designed	Sediment and debris are blocking any view of the openings in the StormCeptor insert.
SR214	Pnd_Dry	2022-01-25	Fx as designed	Preventative Maintenance Only
SR230	Pnd_Dry	2022-01-25	Fx as designed	Preventative Maintenance Only
SR319	Pnd_Dry	2022-03-14	Fx as designed	Preventative Maintenance Only
SR489	Pnd_Dry	2022-03-14	Fx as designed	N/A
SR529	Pnd_Wet	2022-03-14	Fx as designed	Preventative Maintenance Only
SR653	Pnd_Dry	2022-03-14	Fx as designed	N/A
SR719	Undgrmddet	2022-01-06	Not fx as designed	Observation Well/vent could not be found.
UG0003	CDS	2021-12-22	Not fx as designed	Water level over a foot lower than outlet pipe. This indicates a potential leak or blockage upstream.
UG0014	Strmftr	2022-01-25	Fx as designed	N/A
UG0017	Strmftr	2021-12-22	Fx as designed	N/A
UG0022	Strmftr	2022-01-12	Fx as designed	N/A
UG0023	Strmftr	2022-01-12	Fx as designed	N/A
UG0032	Jellyfish	2021-12-22	Fx as designed	N/A
UG0033	Strmftr	2021-12-21	Fx as designed	N/A
UG0047	Jellyfish	2022-04-25	Fx as designed	N/A
UG0048	Jellyfish	2022-07-12	Fx as designed	N/A
UG0049	Jellyfish		Fx as designed	N/A
UG0051	Downstream_Defender	2022-01-31	Fx as designed	N/A

Loudoun County Virginia

BMP Inspections (Public Ownership) Within the MS4 Area from July 1, 2021 - June 30, 2022

FCTID	BMP Type	Inspection Date	Functioning As Designed	Description of Maintenance
UG0052	Undrgrmddet	2022-01-04	Fx as designed	N/A
UG0054	CDS	2022-01-04	Not fx as designed	Non-functional due to low water level. Leaking or blocked further upstream.
UG0055	CDS	2022-01-31	Fx as designed	N/A
UG0087	Undrgrmddet	2022-03-24	Fx as designed	N/A
UG0095	Undrgrmddet	2022-01-05	Fx as designed	N/A
UG0110	Jellyfish	2021-12-22	Fx as designed	N/A
UG0140	Strmftr	2021-12-21	Fx as designed	N/A
WB1300	Pnd_Dry	2022-01-12	Fx as designed	N/A
WB1334	Pnd_Dry	2022-01-12	Fx as designed	N/A
WB1355	Pnd_Dry	2022-01-14	Fx as designed	Preventative Maintenance Only
WB1525	Pnd_Dry	2022-01-21	Fx as designed	N/A
WB1539	Pnd_Dry	2022-01-21	Fx as designed	Preventative Maintenance Only
WB1569	Pnd_Wet	2022-01-14	Fx as designed	N/A
WB1859	Pnd_Dry	2022-01-14	Fx as designed	N/A
WB1876	Pnd_Dry	2022-01-14	Fx as designed	Preventative Maintenance Only
WB1884	Pnd_Dry	2022-01-14	Fx as designed	N/A
WB1900	Pnd_Wet	2022-01-14	Fx as designed	N/A
WB20063	Strmcptr	2022-01-10	Fx as designed	N/A
WB20064	Strmcptr	2022-01-10	Fx as designed	N/A
WB20065	Strmcptr	2022-01-10	Fx as designed	N/A
WB20077	Baysvr	2022-01-24	Fx as designed	N/A
WB20078	Baysvr	2022-01-24	Fx as designed	N/A
WB20131	CDS	2021-12-21	Fx as designed	N/A
WB20137	CDS	2021-12-21	Fx as designed	N/A
WB20140	CDS	2021-12-21	Fx as designed	N/A
WB463	Pnd_Dry	2022-01-21	Fx as designed	Preventative Maintenance Only
WB50057	Pnd_Wet	2022-02-01	Fx as designed	Preventative Maintenance Only
WB50058	Pnd_Wet	2022-02-01	Fx as designed	N/A
WB50062	Pnd_Wet	2022-03-10	Fx as designed	Preventative Maintenance Only
WB50065	Pnd_Wet	2022-03-24	Fx as designed	N/A
WB50080	Pnd_Dry	2022-03-14	Fx as designed	Preventative Maintenance Only
WB50101	Bioret	2022-05-26	Fx as designed	N/A
WB564	Pnd_Dry	2022-01-14	Fx as designed	Preventative Maintenance Only
WB738	Pnd_Wet	2022-02-15	Fx as designed	N/A
WB827	Pnd_Wet	2022-01-21	Fx as designed	Preventative Maintenance Only
WP0021	Pnd_Wet	2022-04-25	Fx as designed	N/A
WP0022	Pnd_Wet	2022-02-28	Fx as designed	N/A
WP0023	Pnd_Wet	2022-02-28	Fx as designed	N/A
WP0026	Pnd_Wet	2022-03-15	Fx as designed	N/A
WP0048	Pnd_Wet	2022-03-15	Fx as designed	N/A

Appendix K

Training

FY2022 (P4/Y4) SWPPP/Good Housekeeping Training

Objective: Training applicable county staff from DGS, DPW, and PRCS on MS4 Permit requirements, including HPFM-SWPPP requirements and associated pollution prevention/good housekeeping procedures and techniques.

# of People	Name	Department	Date	Session	In Attendance?
1	Brent Payne	DGS	12/2/2021	9 am Morning Session	Yes
2	Chris Stone	DGS	12/2/2021	9 am Morning Session	Yes
3	David Waylan	DGS	12/2/2021	9 am Morning Session	Yes
4	Karl Evans	DGS	12/2/2021	9 am Morning Session	Yes
5	Kathy Willis	DGS	12/2/2021	9 am Morning Session	Yes
6	Michele Seib	DGS	12/2/2021	9 am Morning Session	Yes
7	Devin Burns	DPW	12/2/2021	9 am Morning Session	Yes
8	Don Mason	DPW	12/2/2021	9 am Morning Session	Yes
9	Edgar Pollen	DPW	12/2/2021	9 am Morning Session	Yes
10	Everton Morgan	DPW	12/2/2021	9 am Morning Session	Yes
11	Jason Wynne	DPW	12/2/2021	9 am Morning Session	Yes
12	Jeff Haga	DPW	12/2/2021	9 am Morning Session	Yes
13	Josh Pratt	DPW	12/2/2021	9 am Morning Session	Yes
14	Ken Prisby	DPW	12/2/2021	9 am Morning Session	Yes
15	Kevin Lenhart	DPW	12/2/2021	9 am Morning Session	Yes
16	Matt Brown	DPW	12/2/2021	9 am Morning Session	Yes
17	Norm Pearson	DPW	12/2/2021	9 am Morning Session	Yes
18	Randy Pearson	DPW	12/2/2021	9 am Morning Session	Yes
19	Roy Finneyfrock	DPW	12/2/2021	9 am Morning Session	Yes
20	Chan Herrell	PRCS	12/2/2021	9 am Morning Session	Yes
21	Chip Channell	PRCS	12/2/2021	9 am Morning Session	Yes
22	Chris Ohler	PRCS	12/2/2021	9 am Morning Session	Yes
23	Dave Thomas	PRCS	12/2/2021	9 am Morning Session	Yes
24	David Brown	PRCS	12/2/2021	9 am Morning Session	Yes
25	Donald Drury	PRCS	12/2/2021	9 am Morning Session	Yes
26	Fred Embrey	PRCS	12/2/2021	9 am Morning Session	Yes
27	Jason Grove	PRCS	12/2/2021	9 am Morning Session	Yes
28	Jeff Jones	PRCS	12/2/2021	9 am Morning Session	Yes
29	Jimmy Lickey	PRCS	12/2/2021	9 am Morning Session	Yes
30	Josh Ashby	PRCS	12/2/2021	9 am Morning Session	Yes
31	Mark Fauble	PRCS	12/2/2021	9 am Morning Session	Yes
32	Patrice Agbodan	PRCS	12/2/2021	9 am Morning Session	Yes
33	Randy House	PRCS	12/2/2021	9 am Morning Session	Yes
34	Ricky Hummer	PRCS	12/2/2021	9 am Morning Session	Yes
35	Ted Tippet	PRCS	12/2/2021	9 am Morning Session	Yes
36	Tim Depoy	PRCS	12/2/2021	9 am Morning Session	Yes
37	Tim Martin	PRCS	12/2/2021	9 am Morning Session	Yes
38	Will Reed	PRCS	12/2/2021	9 am Morning Session	Yes

FY2022 (P4/Y4) SWPPP/Good Housekeeping Training

Objective: Training applicable county staff from DGS, DPW, and PRCS on MS4 Permit requirements, including HPFM-SWPPP requirements and associated pollution prevention/good housekeeping procedures and techniques.

# of People	Name	Department	Date	Session	In Attendance?
1	Kate Helms	DGS	12/2/2021	1 pm Afternoon Session	Yes
2	Aaron Piper	PRCS	12/2/2021	1 pm Afternoon Session	Yes
3	Adam Bailey	PRCS	12/2/2021	1 pm Afternoon Session	Yes
4	Andrew Tomlinson	PRCS	12/2/2021	1 pm Afternoon Session	Yes
5	Andrew Upwright	PRCS	12/2/2021	1 pm Afternoon Session	Yes
6	Austiin Mehalic	PRCS	12/2/2021	1 pm Afternoon Session	Yes
7	Bradley Erickson	PRCS	12/2/2021	1 pm Afternoon Session	Yes
8	Brandon Potter	PRCS	12/2/2021	1 pm Afternoon Session	Yes
9	Brian Danner	PRCS	12/2/2021	1 pm Afternoon Session	Yes
10	Chris Welch	PRCS	12/2/2021	1 pm Afternoon Session	Yes
11	Cole Pitcock	PRCS	12/2/2021	1 pm Afternoon Session	Yes
12	Danny Edmondson	PRCS	12/2/2021	1 pm Afternoon Session	Yes
13	David Zidek	PRCS	12/2/2021	1 pm Afternoon Session	Yes
14	Jeff Longerbeam	PRCS	12/2/2021	1 pm Afternoon Session	Yes
15	Joe Payne III	PRCS	12/2/2021	1 pm Afternoon Session	Yes
16	Joe Payne, Jr	PRCS	12/2/2021	1 pm Afternoon Session	Yes
17	Joey Garlem	PRCS	12/2/2021	1 pm Afternoon Session	Yes
18	John Gaerig	PRCS	12/2/2021	1 pm Afternoon Session	Yes
19	John MacDougall	PRCS	12/2/2021	1 pm Afternoon Session	Yes
20	Jonathan Painter	PRCS	12/2/2021	1 pm Afternoon Session	Yes
21	Jonathan Shepherd	PRCS	12/2/2021	1 pm Afternoon Session	Yes
22	Justin Edwards	PRCS	12/2/2021	1 pm Afternoon Session	Yes
23	Kevin Kelley	PRCS	12/2/2021	1 pm Afternoon Session	Yes
24	Michael Pittinger	PRCS	12/2/2021	1 pm Afternoon Session	Yes
25	Mike Leigh	PRCS	12/2/2021	1 pm Afternoon Session	Yes
26	Mike Wenner	PRCS	12/2/2021	1 pm Afternoon Session	Yes
27	Paul Batten	PRCS	12/2/2021	1 pm Afternoon Session	Yes
28	Sean Jones	PRCS	12/2/2021	1 pm Afternoon Session	Yes
29	Shane Reed	PRCS	12/2/2021	1 pm Afternoon Session	Yes
30	Steven Welch	PRCS	12/2/2021	1 pm Afternoon Session	Yes
31	Trae Brown	PRCS	12/2/2021	1 pm Afternoon Session	Yes
32	Trevin Burks	PRCS	12/2/2021	1 pm Afternoon Session	Yes
33	Trevor Barhouse	PRCS	12/2/2021	1 pm Afternoon Session	Yes
34	Tyler Pearl	PRCS	12/2/2021	1 pm Afternoon Session	Yes
35	Zac Slawter	PRCS	12/2/2021	1 pm Afternoon Session	Yes

Inspector/BMP Training

ConTech Jellyfish Filter-Operation & Inspections

August 5, 2021

Name and contact information

1. Karl Evans Karl.evans@loudoun.gov
2. Josh Pratt Joshua.Pratt@loudoun.gov
3. Devin Burns Devin.Burns@loudoun.gov
4. Kevin Lenhart Kevin.Lenhart@loudoun.gov
5. Everton Morgan Everton.Morgan@loudoun.gov
6. Annun Penn Haywood.Penn@loudoun.gov
7. Jason Wynne Jason.Wynne@loudoun.gov
8. Roy Finneyfrack Roy.Finneyfrack@loudoun.gov
9. Jeff Haga Jeffery.Haga@loudoun.gov
10. David Wayland David.Wayland@loudoun.gov
11. Dannir Mason Dannir.Mason@loudoun.gov
12. Edgar Poller Edgar.Poller@loudoun.gov
13. Michele Seib michele.seib@loudoun.gov

Name and contact information

14. CHRIS STONE CHRIS.STONE@LONDON.GOV

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

26. _____