

Fairfax County 2024 MS4 Program Plan and Annual Report

Appendix R3

Summary of Potential Stormwater Projects for
Consideration of Implementation

VSMP Permit Number VA0088587
9-30-2024

Number	Project ID	Project Name	Project Type	Number of Acres Treated	Impervious Acres Treated	Pervious Acres Treated	Est. Cost of Implementation	Estimated TSS Reduction (lbs/yr)	Estimated TN Reduction (lbs/yr)	Estimated TP Reduction (lbs/yr)	Pollutant Reduction Calculation Method	Condition of the Downstream Channel	Feasibility for Implementation
1	PH82-0001	Popes Head Creek Tributary @ Havenner Rd (PH82-0001/PH9204)	Stream Restoration	177.5	10.8	166.8	\$ 6,118,650	321,911.0	193.0	10.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
2	AC82-0015	Accotink Creek Trib @ Carleigh Pkwy (AC82-0015)	Stream Restoration	439.0	130.8	308.2	\$ 3,070,000	735,742.0	160.0	189.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
3	DE9244D1	Dead Run - Segment 4 @ Georgetown Pike (DE9244D1)	Stream Restoration	716.2	130.1	586.1	\$ 7,371,000	774,333.0	191.0	184.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Impaired (303(d) List)	Excellent
4	CA82-0012	Turkeycock Creek @ Brookside office Park (CA82-0012)	Stream Restoration	183.1	37.4	145.7	\$ 1,422,000	540,501.0	409.0	98.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
5	DF82-0035	Difficult Run Trib & Basins @ Govt Ctr (DF82-0035/DF9143A53)	Stream Restoration	305.5	90.7	214.9	\$ 4,100,000	533,909.0	464.0	94.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
6	AC82-0002	Coon Branch @ Annandale Park (AC82-0002)	Stream Restoration	121.2	27.1	94.1	\$ 7,006,000	66,042.0	352.0	39.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
7	DF82-0023	Rocky Branch Trib @ Ashlawn Park (DF82-0023)	Stream Restoration	226.4	25.0	201.4	\$ 6,239,000	281,612.0	289.0	109.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
8	DF82-0009	Colvin Run Phase II @ Lake Fairfax Park (DF82-0009)	Stream Restoration	257.4	15.0	242.4	\$ 4,625,000	438,370.0	424.0	142.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Excellent
9	CA82-0002	Pike Branch @ Wilton Road (CA82-0002)	Stream Restoration	269.6	45.8	223.8	\$ 3,531,000	625,330.0	363.0	92.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
10	AC82-0003	Accotink Tributary @ Danbury Forest (AC82-0003)	Stream Restoration	284.5	75.9	208.7	\$ 4,105,000	699,652.0	427.0	113.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
11	PH82-0004	Popes Head Creek Trib @ Havenner Rd Seg 2 (PH82-0004)	Stream Restoration	182.7	5.9	176.7	\$ 3,090,000	744,901.0	458.0	200.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Excellent
12	DF82-0006	Old Courthouse Spring Branch - Phase II @ Ashgrove Historic Park (DF82-0006)	Stream Restoration	165.3	55.5	109.8	\$ 2,775,000	563,323.0	118.0	125.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Excellent
13	AC9171	Holmes Run Village Sec 2 (AC9171/0106DP)	Stormwater Pond Retrofit	184.1	46.0	138.1	\$ 944,000	1,704.0	17.1	3.9	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Impaired (303(d) List)	Excellent
14	DF82-0021	Rocky Branch Trib @ Hickory Hollow Lane	Stream Restoration	225.0	145.0	80.0	\$ 6,239,000	189,771.3	1,597.5	550.4	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
15	PM9814A	Tucker Avenue	Bioretention/MTDs/Dry Swale	5.0	1.0	4.0	\$ 11,168,000	1,400.0	25.0	2.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
16	SC82-0004	Scotts Run @ Dolley Madison Blvd	Stream Restoration	587.0	385.0	202.0	\$ 3,510,000	196,000.0	203.0	48.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
17	MS4HMC	Hollin Meadows Cisterns	Rainwater Harvesting	1.2	1.2	0.0	\$ 65,000	80.0	1.1	0.1	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
18	MS4SPG	Springfield Parking Garage	MTD	3.5	2.1	1.4	\$ 75,000	1,000.0	3.2	0.2	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent

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19	MS4SCC	Sully Community Center	Soil Compost/MTD	3.0	2.0	1.0	\$ 108,000	5,000.0	11.0	1.4	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Excellent
20	MS4MontCP	Montgomery Street Outfall Repairs & Prevented Sediment	Outfall Improvement	106.0	24.0	82.0	\$ 325,000	7,000.0	10.0	2.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Poor	Excellent
21	MS4CRD	Crown Royal Drive Outfall Repairs & Prevented Sediment	Outfall Improvement	150.0	60.0	90.0	\$ 800,000	18,000.0	30.0	3.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Poor	Excellent
22	MS4BRC	Bracksford Court Outfall Repairs & Prevented Sediment	Outfall Improvement	37.0	14.0	23.0	\$ 350,000	40,000.0	80.0	8.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Poor	Excellent
23	MS4BOE	Boehms Court Outfall Repairs & Prevented Sediment	Outfall Improvement	50.0	20.0	30.0	\$ 400,000	35,000.0	16.0	7.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Poor	Excellent
24	MS4TRPBRRD	Tripps Run at Barrett Road	Stormwater Retrofits	122.0	82.0	40.0	\$ 6,291,996	202,000.0	196.0	63.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Very Good
25	DC9214	Dogue Creek Tributary @ Greendale GC (DC9214)	Stream Restoration	66.0	8.2	57.8	\$ 4,983,500	84,198.0	104.0	107.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Very Good
26	AC9170	Lafayette Village Sec 1 (AC9170/0314DP)	Stormwater Pond Retrofit	130.1	20.4	109.8	\$ 2,693,000	2,081.1	19.7	3.7	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Very Good
27	LH82-0004	Paul Spring Branch @ Sherwood Hall Ln (LH82-0004)	Stream Restoration	238.6	42.2	196.3	\$ 4,900,000	538,652.0	339.0	131.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Very Good
28	CA82-0011	Cameron Run Trib & Basin @ Clermont Park (CA82-0011/CA81-0002/1737DP)	Stream Restoration	207.3	32.3	174.9	\$ 4,920,000	496,210.0	217.0	173.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Very Good
29	PM82-0008	Little Pimmit Run @ Franklin Park Rd (PM82-0008/PM9203)	Stream Restoration	440.0	32.5	407.5	\$ 2,025,000	550,981.0	353.0	182.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Very Good
30	SC9219	Bradley Branch @ Timberly Park (SC9219)	Stream Restoration	474.9	75.2	399.7	\$ 2,295,000	393,811.0	487.0	91.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Very Good
31	PM82-0007	Little Pimmit Run Trib @ Woodland Ter (PM82-0007)	Outfall Improvement	243.7	25.0	218.6	\$ 4,718,000	3,797.0	60.0	67.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Very Good
32	AC9239A	Bear Branch @ Hunter Road (AC82-0008/AC9239A)	Stream Restoration	146.8	27.2	119.6	\$ 3,088,777	735,368.0	588.0	228.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Very Good
33	AC9238	Long Branch @ I66 WB (AC9238)	Stream Restoration	259.8	127.7	132.1	\$ 5,152,100	587,423.0	470.0	182.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Very Good
34	AC82-0020	Accotink Creek Trib @ Launcelot Way (AC82-0020/AC9219)	Stream Restoration	304.3	60.1	244.2	\$ 3,699,000	209,320.0	277.0	167.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Very Good
35	LH9204	South Branch Tributary @ Fort Hunt Park (LH9204)	Stream Restoration	414.3	78.2	336.1	\$ 1,350,000	758,086.0	445.0	91.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Very Good
36	AC82-0021D	Long Branch Trib @ Olde Forge Park (AC82-0021D/AC9156)	Stream Restoration	314.7	58.9	255.8	\$ 20,000,000	196,055.0	391.0	183.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Very Good

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37	DF82-0020	Wolftrap Creek @ Westwood Park (DF82-0020)	Stream Restoration	353.6	96.3	257.4	\$ 1,560,000	753,846.0	269.0	180.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Very Good
38	PM82-0005	Pimmit Run @ George C. Marshall High School (PM82-0005)	Stream Restoration	447.7	78.0	369.7	\$ 3,996,000	687,233.0	291.0	99.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Very Good
39	AC82-0021C	Long Branch Trib @ Rutherford Park (AC82-0021C/AC9310)	Stream Restoration	432.6	93.1	339.5	\$ 14,000,000	494,450.0	247.0	191.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Very Good
40	DF81-0008	Oakton Glen Sec 1 (DF81-0008/0053DP)	Stormwater Pond Retrofit	295.2	41.0	254.2	\$ 350,000	15,496.0	186.0	30.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Very Good
41	PH9271	Headwaters of Popes Head Creek @ Brecon Ridge Subdiv (PH9271/PH9272)	Stream Restoration	472.9	34.5	438.5	\$ 8,930,000	623,230.0	196.0	151.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Very Good
42	CA9205A	Backlick Run @ Bren Mar Dr - Seg 2 (CA9205A)	Stream Restoration	491.3	165.7	325.7	\$ 10,120,000	414,901.0	498.0	157.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Very Good
43	LR9206	Little Rocky Run @ Meadow Estates Dr (LR9206)	Stream Restoration	180.9	19.9	161.0	\$ 2,050,000	251,150.0	66.0	19.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Very Good
44	CA82-0013	Turkeycock Creek @ Bren Mar Park (CA82-0013)	Stream Restoration	183.3	26.1	157.2	\$ 5,089,000	580,549.0	257.0	140.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Very Good
45	AC9235	Long Branch North @ Arlington Blvd & Robin Ct (AC9234/AC9236)	Stream Restoration	200.6	27.7	172.9	\$ 5,832,516	191,233.0	153.0	59.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Very Good
46	DC81-0005	Kingstowne Park Dam (DC81-0005/FM0477)	Regional Pond	233.8	28.3	205.5	\$ 13,681,000	7,208.0	343.0	71.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Very Good
47	CU82-0006	Big Rocky Run @ d/s Braddock Rd (CU82-0006)	Stream Restoration	330.1	42.2	287.9	\$ 4,603,500	287,490.0	296.0	218.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Very Good
48	AC82-0021A	Long Branch Trib @ Braeburn Drive (AC82-0021A/AC9306)	Stream Restoration	109.6	25.2	84.4	\$ 925,000	622,251.0	326.0	100.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Good
49	AC9241B	Hunters Branch Tributary @ Arlington Blvd (AC9241B)	Stream Restoration	382.3	133.8	248.5	\$ 3,982,500	369,145.0	295.0	114.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good
50	AC82-0019	Long Branch Trib & Basins @ Amberleigh (AC82-0019/AC9226/AC9110/AC9111)	Stream Restoration	450.5	93.3	357.2	\$ 3,000,000	366,136.0	287.0	124.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Good
51	CA82-0015	Turkeycock Creek @ 8th St (CA82-0015)	Stream Restoration	467.3	121.7	345.6	\$ 2,322,000	375,910.0	312.0	148.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
52	SU82-0001	Rosiers Branch @ Golden Eagle Drive (SU82-0001)	Stream Restoration	151.8	15.8	136.0	\$ 1,690,000	134,293.0	193.0	177.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
53	CA82-0007	Holmes Run Trib @ Colfax Ave (CA82-0007)	Stream Restoration	184.8	34.7	150.2	\$ 1,100,000	323,859.0	127.0	36.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
54	CA9219	Holmes Run Tributary @ JEB Stuart park (CA9219)	Stream Restoration	271.3	77.9	193.4	\$ 1,300,000	546,627.0	369.0	141.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Good

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55	BE9200	Quander Brook @ Belle Haven Park (BE9200)	Stream Restoration	327.1	114.7	212.3	\$ 3,154,000	622,000.0	498.0	193.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good
56	PC9225	Pohick Creek @ Huntsman Blvd (PC9225)	Stream Restoration	94.7	25.0	69.7	\$ 3,240,000	152,031.0	121.6	47.1	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Impaired (303(d) List)	Good
57	MB82-0001	Giles Run Tribs @ Cross Chase Cir (MB82-0001)	Stream Restoration	110.3	15.0	95.3	\$ 2,209,950	63,676.0	146.0	101.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
58	PC82-0012	Hidden Pond & Trib @ Hidden Pond Park (PC82-0012/PC81-0014/FM0436)	Stream Restoration	111.6	24.3	87.4	\$ 2,050,000	479,725.0	252.0	49.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Good
59	PC81-0012	Lakepointe Sec 2 (PC81-0012/0143DP)	Stormwater Pond Retrofit	79.7	17.2	62.5	\$ 20,000	2,784.0	136.0	37.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
60	DC9106	Groveton Woods (DC9106/1849DP)	Stormwater Pond Retrofit	102.0	24.9	77.1	\$ 350,000	4,876.0	97.0	13.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
61	AC9225B	Bear Branch Trib- Phase IV @ Desale St SW (AC9225B)	Stream Restoration	176.5	47.4	129.1	\$ 2,350,000	460,807.0	392.0	31.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
62	PH82-0002	Popes Head Creek Trib @ Fairview Woods Dr (PH82-0002)	Stream Restoration	181.2	36.2	145.0	\$ 1,970,000	415,331.0	142.0	57.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
63	CU81-0006	Pleasant Hill SEC 1 (CU81-0006/0018DP)	Stormwater Pond Retrofit	133.6	8.1	125.6	\$ 470,000	1,971.0	23.0	18.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
64	PC9240	Sideburn Branch Trib @ Oak Leather Dr (PC9240)	Stream Restoration	186.9	52.1	134.8	\$ 1,687,500	55,671.0	44.5	17.3	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good
65	PC82-0016	Rabbit Branch Trib @ Hickory Farms (PC82-0016)	Stream Restoration	189.0	31.4	157.6	\$ 2,146,500	763,641.0	112.0	68.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
66	CA9201	Pikes Branch @ Heritage Hill Ct (CA9201)	Stream Restoration	189.7	39.5	150.3	\$ 1,500,000	294,753.0	319.0	207.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good
67	DC9107	D'evereux West Sec 2 (DC9107/0226DP)	Stormwater Pond Retrofit	134.3	29.9	104.4	\$ 350,000	2,032.0	114.0	22.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
68	HC82-0003	Cedar Run @ Horsepen Run SV Park (HC82-0003)	Stream Restoration	194.3	46.8	147.5	\$ 1,822,500	438,491.0	487.0	175.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Good
69	DF82-0032	Piney Trib @ Lamplighter way (DF82-0032)	Stream Restoration	201.2	24.0	177.2	\$ 1,529,000	734,198.0	229.0	135.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
70	CU9215	Oxlick Branch Tributary @ Fair Oaks Estates (CU9215)	Stream Restoration	205.9	34.8	171.1	\$ 1,500,000	472,272.0	321.0	194.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good
71	CU9216	Flatlick Branch Trib @ Springhaven Dr (CU9216)	Stream Restoration	218.4	29.1	189.3	\$ 1,380,000	176,645.0	10.1	130.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Impaired (303(d) List)	Good
72	PC9203	Pohick Creek - Segment 1 @ Saratoga (PC9203)	Stream Restoration	224.8	53.0	171.8	\$ 1,215,000	21,420.5	14.6	5.6	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Impaired (303(d) List)	Good

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73	LH9124	Village at Gum Springs PD 1 (LH9124/0855DP)	Stormwater Pond Retrofit	167.3	75.9	91.4	\$ 350,000	2,372.0	167.0	20.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
74	LR9207	Willow Spring Branch Trib @ Ashleigh Rd (LR82-0003//LR9207/LR9207A)	Stream Restoration	247.4	48.7	198.6	\$ 1,100,000	296,106.0	331.0	159.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good
75	DF82-0040	South Fork Run Trib @ Brians Hill Ln (DF82-0040)	Stream Restoration	262.1	18.6	243.5	\$ 891,000	723,394.0	341.0	137.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
76	DF82-0027	Piney Branch Trib @ Freda Dr (DF82-0027)	Stream Restoration	263.1	24.1	239.0	\$ 1,998,000	505,807.0	471.0	127.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
77	JM9200	Polecat Branch - Segment 1 @ Johnny Moore Park (JM9200)	Stream Restoration	273.7	7.4	266.3	\$ 2,160,000	373,855.7	299.1	115.9	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Impaired (303(d) List)	Good
78	DF82-0013	Snakeden Branch Tributary @ Sunrise Valley Dr (DF82-0013/DF92102)	Stream Restoration	298.5	100.8	197.6	\$ 3,341,000	734,873.0	395.0	142.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
79	PC9233	Pohick Creek @ Burke Road (PC9233)	Stream Restoration	319.8	67.7	252.1	\$ 3,577,500	70,729.7	56.6	21.9	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Impaired (303(d) List)	Good
80	AC9165	Camelot Greens (AC9165/0102DP)	Stormwater Pond Retrofit	221.2	38.2	183.0	\$ 350,000	1,473.4	13.6	2.9	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good
81	HC81-0004	West Ox RD Regional BMP Pond (HC81-0004/1051DP)	Stormwater Pond Retrofit	221.9	56.6	165.3	\$ 2,550,000	7,636.0	13.0	39.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
82	CA9138	Providence Recreation Center (CA9138/DP0137)	Stormwater Pond Retrofit	226.9	52.8	174.1	\$ 350,000	1,286.3	10.4	2.5	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Impaired (303(d) List)	Good
83	LH82-0003	North Branch @ Collingwood Road (LH82-0003)	Stream Restoration	322.7	71.6	251.1	\$ 1,642,000	594,653.0	413.0	213.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
84	DC9217	Old Mill Rd & Richmond Hwy Stream Restoration	Stream Restoration	376.6	67.1	309.5	\$ 3,060,000	362,888.0	339.0	204.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Impaired (303(d) List)	Good
85	PH9180A2	Novak Subdivision (PH9180A2/0866DP)	Stormwater Pond Retrofit	228.7	1.3	227.5	\$ 850,000	6,059.0	19.0	45.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
86	DF82-0033	Lake Audubon Trib @ Beacon Pl (DF82-0033)	Stream Restoration	385.1	78.0	307.1	\$ 1,080,000	595,564.0	385.0	131.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
87	PC9268	Rabbit Branch Trib @ Tapestry Dr (PC9268)	Stream Restoration	412.7	83.1	329.6	\$ 5,400,000	87,118.2	69.7	27.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good
88	CU9150	Lee Forest Path & Stillfield	Stormwater Pond Retrofit	270.1	18.0	252.1	\$ 1,811,000	2,582.8	32.9	5.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good
89	CA82-0017	Indian Run @ u/s Braddock Rd (CA82-0017)	Stream Restoration	428.7	77.6	351.1	\$ 4,090,500	726,675.0	331.0	211.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Good
90	LH9234	Little Hunting Creek Trib @ Cyrene Blvd (LH9234)	Stream Restoration	443.7	76.5	367.2	\$ 2,525,000	775,892.0	341.0	114.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good

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Appendix R3

Number	Project ID	Project Name	Project Type	Number of Acres Treated	Impervious Acres Treated	Pervious Acres Treated	Est. Cost of Implementation	Estimated TSS Reduction (lbs/yr)	Estimated TN Reduction (lbs/yr)	Estimated TP Reduction (lbs/yr)	Pollutant Reduction Calculation Method	Condition of the Downstream Channel	Feasibility for Implementation
91	AC9182	Mantua Park Pond Retrofit	Stormwater Pond Retrofit	56.2	15.5	40.7	\$ 20,000	1,358.0	5.0	2.0	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Good
92	CU82-0003	Schneider Branch - Segment 2 @ Lee Road (CU82-0003)	Stream Restoration	149.9	50.5	99.4	\$ 2,486,560	274,165.0	481.0	185.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
93	CA81-0009	Backlick Run Trib & Basin @ Deer Ridge Trl (CA82-0008/CA81-0009/0246DP)	Stormwater Pond Retrofit	418.7	73.7	345.1	\$ 150,000	13,155.0	152.0	19.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
94	PH9130A	Colchester Hunt Sec 2 (PH9130A/0019DP)	Stormwater Pond Retrofit	130.9	6.8	124.1	\$ 525,000	538.1	5.9	1.4	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Impaired (303(d) List)	Good
95	DC82-0003	North Fork Dogue Creek Trib @ Woodlawn Park (DC82-0003)	Stream Restoration	483.3	157.0	326.4	\$ 1,620,000	530,143.0	259.0	131.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Good
96	AC82-0007	Hunters Branch Trib - Phase 2 @ Townes of Moorefield (AC82-0007)	Stream Restoration	388.3	116.5	271.8	\$ 1,185,000	315,023.0	155.0	81.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Fair
97	PM9153	Tysons Pimmit Regional Library	Stormwater Pond Retrofit	260.6	36.4	224.2	\$ 500,000	2,122.7	25.5	4.6	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Fair
98	SU9117A2	Hasting Hunt PD C Sec 3 (SU9117A2/0934DP)	Stormwater Pond Retrofit	267.1	66.7	200.4	\$ 350,000	6,302.0	113.0	41.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Fair
99	DC9211	Barnyard Run @ Huntley Meadows Park - Phase A (DC9211)	Stream Restoration	321.8	32.0	289.8	\$ 5,065,000	220,876.0	425.0	91.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Fair
100	PM82-0004	Pimmit Run & Tributary @ RT267 (PM82-0004)	Stream Restoration	938.9	101.5	837.4	\$ 3,814,000	491,120.0	155.0	89.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Fair
101	AC9229B	Flag Run Downstream I-495 (AC9229B)	Stream Restoration	171.2	59.9	111.3	\$ 3,185,000	384,030.0	119.0	150.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Fair
102	LH82-0003	North Branch @ Collingwood Road (LH82-0003)	Stream Restoration	180.4	32.5	147.9	\$ 1,642,000	184,417.0	387.0	71.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Fair
103	CA81-0005	Leigh Woods (CA81-0005/0071DP)	Stormwater Pond Retrofit	154.5	37.9	116.6	\$ 350,000	4,325.0	197.0	34.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Impaired (303(d) List)	Fair
104	HC9200	Horsepen Tributary @ Parcher Ave (HC9200)	Stream Restoration	207.8	76.5	131.3	\$ 2,835,000	167,233.0	230.0	140.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Fair
105	PN82-0001	Pond Branch @ Falcon Ridge (PN82-0001)	Stream Restoration	518.8	26.0	492.8	\$ 2,160,000	660,558.0	490.0	143.0	Planning Estimate based on SWMM modeled pollutant loads, BMP efficiency, and watershed area treated.	Fair or Poor	Fair
106	DF9133B56	Upper Wolftrap Creek Reg Pond (DF9133B56/0003DP)	Stormwater Pond Retrofit	545.6	170.9	374.7	\$ 1,750,000	41,489.2	424.2	88.1	STEPL Model includes Universal Soil Loss Equation (USLE), sediment delivery ratio, and BMP efficiencies (from WMP).	Fair or Poor	Fair
107	MS4OFB	Outfall Restoration (Braddock)	Outfall Improvement	50.0	20.0	30.0	\$ 400,000	10.0	10.0	10,000.0	Estimates based on portfolio of recently completed projects.	Poor	Good
108	MS4OFD	Outfall Restoration (Dranesville)	Outfall Improvement	50.0	20.0	30.0	\$ 400,000	10.0	10.0	10,000.0	Estimates based on portfolio of recently completed projects.	Poor	Good

Number	Project ID	Project Name	Project Type	Number of Acres Treated	Impervious Acres Treated	Pervious Acres Treated	Est. Cost of Implementation	Estimated TSS Reduction (lbs/yr)	Estimated TN Reduction (lbs/yr)	Estimated TP Reduction (lbs/yr)	Pollutant Reduction Calculation Method	Condition of the Downstream Channel	Feasibility for Implementation
109	MS4OFHM	Outfall Restoration (Hunter Mill)	Outfall Improvement	50.0	20.0	30.0	\$ 400,000	10.0	10.0	10,000.0	Estimates based on portfolio of recently completed projects.	Poor	Good
110	MS4OFL	Outfall Restoration (Lee)	Outfall Improvement	50.0	20.0	30.0	\$ 400,000	10.0	10.0	10,000.0	Estimates based on portfolio of recently completed projects.	Poor	Good
111	MS4OFM	Outfall Restoration (Mason)	Outfall Improvement	50.0	20.0	30.0	\$ 400,000	10.0	10.0	10,000.0	Estimates based on portfolio of recently completed projects.	Poor	Good
112	MS4OFMV	Outfall Restoration (Mount Vernon)	Outfall Improvement	50.0	20.0	30.0	\$ 400,000	10.0	10.0	10,000.0	Estimates based on portfolio of recently completed projects.	Poor	Good
113	MS4OFP	Outfall Restoration (Providence)	Outfall Improvement	50.0	20.0	30.0	\$ 400,000	10.0	10.0	10,000.0	Estimates based on portfolio of recently completed projects.	Poor	Good
114	MS4OFSP	Outfall Restoration (Springfield)	Outfall Improvement	50.0	20.0	30.0	\$ 400,000	10.0	10.0	10,000.0	Estimates based on portfolio of recently completed projects.	Poor	Good
115	MS4OFSU	Outfall Restoration (Sully)	Outfall Improvement	50.0	20.0	30.0	\$ 400,000	10.0	10.0	10,000.0	Estimates based on portfolio of recently completed projects.	Poor	Good

The following projects were completed after permit reissuance (January 4, 2024) and before June 30, 2024.

Number	Project ID	Project Name	Substantial Completion Date
1	PH82-0001	Popes Head Creek Tributary @ Havenner Rd (PH82-0001/PH9204)	4/30/2024
7	DF82-0023	Rocky Branch Trib @ Ashlawn Park (DF82-0023)	5/30/2024
10	AC82-0003	Accotink Tributary @ Danbury Forest (AC82-0003)	4/9/2024
11	PH82-0004	Popes Head Creek Trib @ Havenner Rd Seg 2 (PH82-0004)	4/30/2024
20	MS4MontCP	Montgomery Street Outfall Repairs & Prevented Sediment	6/18/2024
21	MS4CRD	Crown Royal Drive Outfall Repairs & Prevented Sediment	6/18/2024
22	MS4BRC	Bracksford Court Outfall Repairs & Prevented Sediment	5/4/2024
23	MS4BOE	Boehms Court Outfall Repairs & Prevented Sediment	3/26/2024