Fairfax County 2023 MS4 Program Plan and Annual Report

Appendix P2

Summary of Potential Stormwater Projects for Consideration of Implementation

VSMP Permit Number VA0088587
9-29-2023

Fairfax County MS4 Permit VA0088587
Part I.B.1. Planning:
Updated Summary of Potential Stormwater Management Projects

#	Project Name	Substantial Completion	Type of Project or BMP	Number of Acres Treated	Impervious Acres Treated	Pervious Acres Treated	Estimated Cost of Implementation ($)	Estimated Amount of Total Pollutant Reduction (lbs/yr)			Pollutant Reduction Calculation Method (Note 3, Note 4)	Condition of the Downstream Channel (Index of Biological Integrity)	Feasibility for Implementation
								TN	TP	TSS			
	Construction Complete:												
1	Rolling Valley West Turf Field	4/1/2015	Dry Swale	1.45	0.00	1.45	$16,700	11.62	0.39	217	Chesapeake Bay Program Retrofit Equations	PC805 (2008) Very Poor	Excellent
2	Americana Park	4/30/2015	Land Use Change	0.69	0.00	0.69	$30,000	4.00	0.00	-	Land Use Change	AC1002 (2010) Poor	Excellent
3	Mason Neck West	5/1/2015	Constructed Wetland	12.01	1.67	10.34	$270,360	52.77	4.35	3,011	Chesapeake Bay Program Retrofit Equations	Old Colchester Park IBI (2011) Poor MBGR02 (1999) Fair	Excellent
4	Oakton Swim & Racquet	6/4/2015	Bioretention	3.09	1.29	1.80	$108,333	5.64	0.49	340	Chesapeake Bay Program Retrofit Equations	DF0605 (2006) Very Poor	Excellent
			Bioretention	18.73	2.55	16.18	$108,333	39.56	2.54	1,474	Chesapeake Bay Program Retrofit Equations		
			Bioretention	21.92	3.59	18.33	$108,333	15.35	1.03	612	Chesapeake Bay Program Retrofit Equations		
5	Difficult Run Tributary at Oakton Estates (DF9045)	6/26/2015	Stream Restoration	56.50	9.30	47.20	$340,000	93.65	18.92	6,524	Urban Stream Restoration Protocols	DF0605 (2006) Very Poor	Excellent
6	Green Hollow Court Maintenance Improvements	8/28/2015	Outfall Restoration	1.07	0.90	0.17	$92,868	3.79	1.74	3,322	Chesapeake Bay Program Retrofit Equations	PC1201 (2012) Very Poor	Excellent
7	Paul Spring Branch Tributary at GMP	9/10/2015	Stream Restoration	48.75	12.40	36.35	$330,643	185.19	41.36	5,121	Urban Stream Restoration Protocols	LH0901 (2009) Poor	Excellent
8	Crestleigh Way Outfall Restoration	9/14/2015	Outfall Restoration	13.70	3.40	10.30	$113,306	2.12	0.98	1,861	Chesapeake Bay Program Retrofit Equations	AC0402 (2004) Very Poor	Excellent
9	Lenox Drive Outfall Restoration	10/30/2015	Outfall Restoration	18.43	5.62	12.81	$206,268	5.29	2.44	4,939	Chesapeake Bay Program Retrofit Equations	AC1202 (2012) Very Poor	Excellent
10	Rainbow Bridge Lane Outfall Restoration	12/15/2015	Outfall Restoration	2.09	1.14	0.95	$86,637	4.20	1.11	1,946	Chesapeake Bay Program Retrofit Equations	PCSR03 (1999) Fair	Excellent
			Subtotal:	**198.43**	**41.86**	**156.57**	**$1,811,782**	**423.19**	**75.35**	**29,369**			
	In Construction:												
11	George C. Marshall HS Cistern	N/A	Rainwater Harvesting	16.32	10.12	6.20	$1,753,000	114.20	9.28	6,342	Chesapeake Bay Program Retrofit Equations	PM1202 (2012) Very Poor	Excellent
12	Penderbrook (DF9045/0691DP)	N/A	Constructed Wetland	22.53	2.60	19.93	$105,021	71.61	5.70	3,836	Chesapeake Bay Program Retrofit Equations	DF0605 (2006) Very Poor	Excellent
13	Colony Park (0390DP & 0175 DP)	N/A	Constructed Wetland	68.65	19.31	49.34	$142,823	36.60	3.60	2,785	Chesapeake Bay Program Retrofit Equations	PCSI01 (1999) Very Poor	Excellent
			Constructed Wetland	68.65	19.31	49.34	$142,823	37.57	3.70	2,859	Chesapeake Bay Program Retrofit Equations		
			Stream Restoration	68.65	19.31	49.34	$175,074	124.50	26.07	8,989	Urban Stream Restoration Protocols		
14	Golden Woods	N/A	Constructed Wetland	29.60	4.50	25.10	$464,300	127.77	10.74	7,530	Chesapeake Bay Program Retrofit Equations	PNCL01 (1999) Poor	Excellent
15	Broyhill McLean	N/A	Bioretention	26.51	10.12	16.39	$500,000	55.66	4.71	3,215	Chesapeake Bay Program Retrofit Equations	DE1001 (2010) Poor	Excellent
16	Flatlick Phase I	N/A	Constructed Wetland	8.39	3.59	4.80	$325,765	42.18	4.74	3,913	Chesapeake Bay Program Retrofit Equations	CUFB01 (1999) Very Poor	Excellent
			Stream Restoration	2,460.00	716.00	1,744.00	$1,725,604	1,521.85	200.45	69,108	Urban Stream Restoration Protocols		Excellent
17	Potomac Meadows Pond Retrofits	N/A	Constructed Wetland	30.02	5.49	24.53	$66,700	58.15	5.10	3,679	Chesapeake Bay Program Retrofit Equations	PNMR01 (1999) Fair	Excellent
			Dry Swale	30.02	5.49	24.53	$46,300	94.70	6.49	3,942	Chesapeake Bay Program Retrofit Equations		
			Constructed Wetland	2.98	0.60	2.38	$41,750	6.02	0.54	396	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	2.98	0.60	2.38	$29,250	9.81	0.69	424	Chesapeake Bay Program Retrofit Equations		
18	Accotink Tributary at Daventry	N/A	Stream Restoration	128.77	73.40	55.37	$708,000	121.89	27.05	9,325	Urban Stream Restoration Protocols	AC0501 (2005) Fair	Excellent
19	Accotink Tributary 9232(Wakefield Park North)	N/A	Stream Restoration	103.00	40.00	63.00	$880,000	64.88	58.82	38,821	Urban Stream Restoration Protocols	ACAC04 (1999) Very Poor	Excellent
20	Accotink Tributary 9210(Wakefield Park South)	N/A	Stream Restoration	279.00	99.00	180.00	$2,901,000	202.50	183.60	121,176	Urban Stream Restoration Protocols	ACAC04 (1999) Very Poor	Excellent
			Subtotal:	**3,346.07**	**1,029.44**	**2,316.63**	**$10,007,410**	**2,689.90**	**551.28**	**286,341**			
	In Design:												
21	Queen Victoria	N/A	Stream Restoration	213.76	75.96	137.80	$3,456,587	1,483.48	327.38	112,870	Urban Stream Restoration Protocols	PC0709 (2007) Very Poor	Good
22	Bullneck at Springhill Rec Center	N/A	Stream Restoration	102.30	25.29	77.01	$2,918,669	142.50	129.20	85,272	Urban Stream Restoration Interim Rates	BNBN01 (1999) Fair	Good
23	Franklin Park/Patton Terrace	N/A	Dry Swale	1.12	0.34	0.78	$75,077	3.86	0.66	109	Chesapeake Bay Program Retrofit Equations	PMLP01 (1999) Poor	Good
			Infiltration	0.38	0.11	0.27	$63,856	1.53	0.26	43	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	0.93	0.27	0.66	$81,137	3.04	0.52	86	Chesapeake Bay Program Retrofit Equations		
			Infiltration	0.76	0.23	0.53	$73,680	2.98	0.51	84	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	0.74	0.22	0.52	$115,477	2.97	0.51	84	Chesapeake Bay Program Retrofit Equations		
			Infiltration	0.36	0.11	0.25	$54,851	1.45	0.25	41	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	3.95	1.16	2.79	$55,214	4.20	0.72	119	Chesapeake Bay Program Retrofit Equations		
			Infiltration	2.02	0.60	1.42	$508,391	8.12	1.39	230	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	1.18	0.38	0.80	$113,794	3.87	0.66	110	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	1.83	0.46	1.37	$125,914	5.78	0.99	164	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	0.46	0.12	0.34	$27,720	1.60	0.28	45	Chesapeake Bay Program Retrofit Equations		
			Infiltration	0.24	0.06	0.18	$83,504	0.96	0.17	27	Chesapeake Bay Program Retrofit Equations		
			Permeable Pavement	0.47	0.12	0.35	$213,643	1.89	0.32	53	Chesapeake Bay Program Retrofit Equations		
			Infiltration	0.32	0.08	0.24	$38,477	1.28	0.22	36	Chesapeake Bay Program Retrofit Equations		
			Permeable Pavement	1.29	0.33	0.96	$154,297	4.67	0.80	132	Chesapeake Bay Program Retrofit Equations		
			Infiltration	0.55	0.14	0.41	$43,389	2.04	0.35	58	Chesapeake Bay Program Retrofit Equations		
			Permeable Pavement	1.83	0.47	1.36	$144,802	7.68	1.22	197	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	0.33	0.11	0.22	$70,027	1.31	0.22	37	Chesapeake Bay Program Retrofit Equations		
24	Dead Run at Dominican Retreat	N/A	Stream Restoration	148.74	52.81	95.93	$2,459,816	123.75	112.20	74,052	Urban Stream Restoration Interim Rates	DE1001 (2010) Poor	Good
25	Colvin Run Ph I	N/A	Stream Restoration	3,024.00	936.21	2,087.79	$3,632,000	1,552.97	486.15	167,606	Urban Stream Restoration Protocols	DF0804 (2008) Good	Good

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#	Project Name	Substantial Completion	Type of Project or BMP	Number of Acres Treated	Impervious Acres Treated	Pervious Acres Treated	Estimated Cost of Implementation ($)	Estimated Amount of Total Pollutant Reduction (lbs/yr)			Pollutant Reduction Calculation Method (Note 3, Note 4)	Condition of the Downstream Channel (Index of Biological Integrity)	Feasibility for Implementation
								TN	TP	TSS			
26	Indian Run at Indian Run Court	N/A	Stream Restoration	474.80	41.10	433.70	$3,960,000	195.00	176.80	116,688	Urban Stream Restoration Interim Rates	CA0801 (2008) Very Poor	Good
27	Quander Road outfall	N/A	Stream Restoration	16.94	3.45	13.49	$1,023,000	62.78	56.92	37,560	Urban Stream Restoration Protocols	BE0901 (2009) Poor	Good
28	Retrofit Facility DP0625 West Potomac High School	N/A	Constructed Wetland	38.25	18.19	20.06	$197,544	51.69	6.02	5,046	Chesapeake Bay Program Retrofit Equations	BE0601 (2006) Very Poor	Good
29	Nottoway Park retrofit Trib 1	N/A	Outfall Restoration	39.32	12.10	27.22	$574,993	18.00	16.32	10,771	Chesapeake Bay Program Retrofit Equations	ACAC02 (1999) Poor	Good
			Outfall Restoration	27.08	9.21	17.87	$574,993	17.25	15.64	10,322	Chesapeake Bay Program Retrofit Equations	ACAC02 (1999) Poor	Good
30	Oakford Drive stream restoration	N/A	Stream Restoration	97.92	46.67	51.25	$998,600	112.50	102.00	67,320	Urban Stream Restoration Interim Rates	AC0502)2005) Poor	Good
31	Flatlick Ph II	N/A	Stream Restoration	3,349.00	1,043.20	2,305.80	$6,185,000	3,247.00	350.00	122,000	Urban Stream Restoration Protocols	CUFB01 (1999) Very Poor	Good
32	Flatlick Ph III	N/A	Stream Restoration	3,989.40	1,332.46	2,656.94	$2,656,000	324.38	294.10	194,106	Urban Stream Restoration Interim Rates	CU0902 (2009) Poor	Good
33	Turkey Run at Truro	N/A	Stream Restoration	259.40	67.88	191.52	$2,716,000	268.61	243.54	160,738	Urban Stream Restoration Interim Rates	ACAC04 (1999) Very Poor	Good
34	Mantua ES	N/A	Subsurface Chambers	3.68	2.49	1.19	$475,000	0.00	0.00	-	Chesapeake Bay Program Retrofit Equations	ACAC03 (1999) Very Poor	Good
35	Dead Run Segment 2/3	N/A	Stream Restoration	716.87	274.22	442.65	$3,300,000	210.00	190.40	125,664	Urban Stream Restoration Interim Rates	DE1001 (2010) Poor	Good
36	Pike Branch @ Wilton Road	N/A	Stream Restoration	1,288.00	478.00	810.00	$2,000,000	101.25	91.80	60,588	Urban Stream Restoration Interim Rates	CA1201 (2012) Poor	Good
37	Lake Martin Tributaries	N/A	Stream Restoration	29.30	4.10	25.20	$2,023,000	150.00	136.00	89,760	Urban Stream Restoration Interim Rates	DF1109 (2011) Fair	Good
38	Pohick Tributary at Green Tree Village	N/A	Stream Restoration	208.10	62.30	145.80	$2,694,415	198.75	180.20	118,932	Urban Stream Restoration Interim Rates	PC1102 (2011) Very Poor	Good
39	Long Branch at Long Branch Falls Park	N/A	Stream Restoration	80.00	26.00	54.00	$1,085,126	60.00	54.40	35,904	Urban Stream Restoration Interim Rates	AC0401 (2004) Poor	Good
40	Old Courthouse Spring Branch	N/A	Stream Restoration	368.95	238.18	130.77	$4,423,000	255.00	231.20	152,592	Urban Stream Restoration Interim Rates	DF1005 (2010) Fair	Good
41	Pike Branch Tributary at Ridgeview Park	N/A	Stream Restoration	431.10	126.14	304.96	$5,530,000	225.00	204.00	134,640	Urban Stream Restoration Interim Rates	CA1201 (2012) Poor	Good
42	Turkeycock Run at Mason District Park	N/A	Stream Restoration	109.00	27.60	81.40	$2,940,000	127.50	115.60	76,296	Urban Stream Restoration Interim Rates	CA1301 (2013) Poor	Good
43	Crook Branch	N/A	Stream Restoration	811.34	275.88	535.46	$2,900,000	217.50	197.20	130,152	Urban Stream Restoration Interim Rates	ACAC03 (1999) Very Poor	Good
44	Windy Hill Stream Restoration	N/A	Stream Restoration	31.30	7.00	24.30	$790,000	48.75	44.20	29,172	Urban Stream Restoration Interim Rates	SCSC01 (1999) Very Poor	Good
45	Indian Run at Columbia Road	N/A	Stream Restoration	466.86	246.36	220.50	$850,000	27.00	24.48	16,157	Urban Stream Restoration Interim Rates	CA0801 (2008) Very Poor	Good
46	Lower Potomac Ball Park	N/A	Pond Retrofit	29.50	8.20	21.30	$910,000	119.52	4.75	5,757	Chesapeake Bay Program Retrofit Equations	PCPC04 (1999) Fair	Good
47	Leigh Meadows	N/A	Pond Retrofit	8.80	2.20	6.60	$2,000,000	36.94	1.42	1,697	Chesapeake Bay Program Retrofit Equations	DF0805 (2008) Fair	Good
			Stream Restoration					67.50	61.20	40,392	Urban Stream Restoration Interim Rates		
48	Centreville Green Pond 1	N/A	Pond Retrofit	38.24	31.34	6.90	$440,000	304.08	17.35	24,547	Chesapeake Bay Program Retrofit Equations	LR0901 (2009) Poor	Good
49	Centreville Green Pond 2	N/A	Pond Retrofit	19.90	15.60	4.30	$470,000	97.93	5.50	7,742	Chesapeake Bay Program Retrofit Equations	LR0901 (2009) Poor	Good
50	Luther Jackson Middle School	N/A	Pond Retrofit	42.50	37.50	5.00	$300,000	251.25	14.71	20,989	Chesapeake Bay Program Retrofit Equations	AC0901 (2009) Very Poor	Good
			Bioretention	0.30	0.30	0.00	$30,000	3.54	0.28	263	Chesapeake Bay Program Retrofit Equations		
			Bioretention	0.46	0.46	0.00	$30,000	5.42	0.42	403	Chesapeake Bay Program Retrofit Equations		
			Land Use Change	0.09		0.09	$10,000	0.52	0.00	-	Land Use Change		
			Dry Swale	0.45	0.45	0.00	$20,000	5.30	0.41	395	Chesapeake Bay Program Retrofit Equations		
			Permeable Pavement	0.07	0.07	0.00	$10,000	0.82	0.06	61	Chesapeake Bay Program Retrofit Equations		
			Permeable Pavement	0.18	0.18	0.00	$60,000	2.12	0.17	158	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	0.16	0.16	0.00	$50,000	1.89	0.15	140	Chesapeake Bay Program Retrofit Equations		
			Tree Plantings	0.30	0.00	0.30	$10,000	2.28	0.11	40	Chesapeake Bay Program Retrofit Equations		
			Wet Swale	3.30	2.10	1.20	$140,000	28.16	1.47	2,016	Chesapeake Bay Program Retrofit Equations		
51	West Ox Bus Operations Center Expansion	N/A	Permeable Pavement	0.08	0.08	0.00	$5,501	0.80	0.09	73	Chesapeake Bay Program Retrofit Equations	LRLR001 (1999) Very Poor	Good
			Permeable Pavement	0.42	0.42	0.00	$83,249	4.16	0.49	380	Chesapeake Bay Program Retrofit Equations		
52	Innovation Station	N/A	Bioretention	0.76	0.76	0.00	$170,000	9.22	0.72	686	Chesapeake Bay Program Retrofit Equations	HC0802 (2008) Poor	Good
53	Bucknell ES	N/A	Dry Swale	0.18	0.03	0.15	$9,827	1.31	0.09	52	Chesapeake Bay Program Retrofit Equations	LH0701 (2007) Poor	Good
			Dry Swale	0.23	0.15	0.08	$9,394	2.15	0.22	161	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	0.32	0.12	0.20	$750	2.40	0.20	137	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	0.08	0.01	0.07	$6,109	0.56	0.03	19	Chesapeake Bay Program Retrofit Equations		
			Permeable Pavement	0.14	0.14	0.00	$40,989	1.52	0.18	139	Chesapeake Bay Program Retrofit Equations		
			Permeable Pavement	0.44	0.06	0.38	$23,082	3.13	0.20	117	Chesapeake Bay Program Retrofit Equations		
			Bioretention	0.10	0.10	0.00	$13,463	1.09	0.43	100	Chesapeake Bay Program Retrofit Equations		
			Bioretention	0.15	0.15	0.00	$16,454	1.64	0.19	150	Chesapeake Bay Program Retrofit Equations		
			Filtering Practices	0.11	0.06	0.05	$12,500	0.55	0.07	57	Chesapeake Bay Program Retrofit Equations		
54	Newington Forest ES	N/A	Infiltration	0.67	0.67	0.00	$38,989	7.51	0.59	559	Chesapeake Bay Program Retrofit Equations	PCSR03 (1999) Fair	Good
			Land Use Change	0.10	0.00	0.10	$2,514	0.58	0.00	-	Land Use Change		
			Land Use Change	0.17	0.00	0.17	$3,681	0.99	0.00	-	Land Use Change		
			Tree Plantings	0.14	0.00	0.14	$13,387	1.00	0.05	19	Land Use Change		
55	Cherry Run ES	N/A	Dry Swale	0.59	0.48	0.11	$64,200	6.59	0.48	446	Chesapeake Bay Program Retrofit Equations	PC1104 (2011) Very Poor	Good
			Bioretention	0.53	0.17	0.36	$34,900	5.02	0.27	218	Chesapeake Bay Program Retrofit Equations		
			Dry Swale	1.44	0.05	1.39	$69,500	11.82	0.42	258	Chesapeake Bay Program Retrofit Equations		

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								TN	TP	TSS			
56	South Lakes HS	N/A	Infiltration	0.77	0.70	0.07	$85,000	5.62	0.43	401	Chesapeake Bay Program Retrofit Equations	DF1012 (2010) Fair	Good
			Filterra	0.77	0.70	0.07	$23,000	6.51	0.49	464	Chesapeake Bay Program Retrofit Equations		
			Filterra	0.24	0.23	0.01	$18,000	2.07	0.16	151	Chesapeake Bay Program Retrofit Equations		
			Filterra	0.25	0.24	0.01	$18,000	2.16	0.17	158	Chesapeake Bay Program Retrofit Equations		
			Filterra	0.56	0.51	0.05	$18,000	4.74	0.36	338	Chesapeake Bay Program Retrofit Equations		
			Filterra	0.27	0.26	0.01	$18,000	2.33	0.18	171	Chesapeake Bay Program Retrofit Equations		
			Filterra	1.67	1.50	0.17	$27,500	14.05	1.06	996	Chesapeake Bay Program Retrofit Equations		
57	West Springfield HS	N/A	Permeable Pavement	0.73	0.44	0.29	$63,170	6.71	0.66	483	Chesapeake Bay Program Retrofit Equations	PCPC02 (1999) Very Poor	Good
			Permeable Pavement	1.12	0.96	0.17	$21,653	0.00	0.00	-	Chesapeake Bay Program Retrofit Equations		
			Bioretention	0.46	0.37	0.09	$27,545	4.66	0.51	384	Chesapeake Bay Program Retrofit Equations		
			Subtotal:	**16,501.91**	**5,546.02**	**10,955.89**	**$67,825,350**	**10,318.04**	**3,912.57**	**2,247,583**			
	Scoping Projects												
58	Belgravia Court Outfall Restoration	N/A	Outfall Restoration	25.30	3.28	22.02	Note 1	Note 1	Note 1	Note 1	Chesapeake Bay Program Retrofit Equations	NINI01 (1999) Excellent	Good
59	Brevity Drive Outfall Restoration	N/A	Outfall Restoration	82.49	11.22	71.27	$280,000	15.00	13.60	8,976	Chesapeake Bay Program Retrofit Equations	DF0602 (2006) Poor	Good
60	Bush Hill Outfall Restoration	N/A	Outfall Restoration	35.91	10.38	25.54	$350,000	18.75	17.00	11,220	Chesapeake Bay Program Retrofit Equations	N/A (flows into City of Alexandria)	Good
61	Forest Villa Lane 1537 Outfall Restoration	N/A	Outfall Restoration	41.08	10.03	31.05	Note 1	Note 1	Note 1	Note 1	Chesapeake Bay Program Retrofit Equations	PM0601 (2006) Very Poor	Good
62	Forest Villa Lane 1558 Outfall Restoration	N/A	Outfall Restoration	50.43	12.14	38.29	Note 1	Note 1	Note 1	Note 1	Chesapeake Bay Program Retrofit Equations	PM0601 (2006) Very Poor	Good
63	Pratt Street Outfall Restoration	N/A	Outfall Restoration	89.57	32.81	56.77	$140,000	7.50	6.80	4,488	Chesapeake Bay Program Retrofit Equations	CA1002 (2010) Poor, CABA01 (1999) Very	Good
64	Toll House Road Outfall Restoration	N/A	Outfall Restoration	24.58	6.41	18.17	$280,000	15.00	13.60	8,976	Chesapeake Bay Program Retrofit Equations	ACAC04 (1999) Very Poor	Good
65	Wellfleet Court Outfall Restoration	N/A	Outfall Restoration	24.80	8.91	15.90	$70,000	3.75	3.40	2,244	Chesapeake Bay Program Retrofit Equations	PM0904 (2009) Very Poor	Good
66	Jefferson Fire Station	N/A	LID Site Retrofit	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	CATR01 (1999) Very Poor	Good
67	John Marshall Library	N/A	LID Site Retrofit	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	CA0802 (2008) Very Poor	Good
68	Lorton Volunteer Fire Station	N/A	LID Site Retrofit	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	PCPC04 (1999) Fair	Good
69	McLean Community Center	N/A	LID Site Retrofit	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	DE1301 (2013) Missing, DE1001 (2010)	Good
70	Oakton HS	N/A	LID Site Retrofit	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	ACAC02 (1999) Poor	Good
71	Mount Vernon Woods ES	N/A	LID Site Retrofit	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	DC1102 (2011) Very Poor, DCNF01 (1999)	Good
72	Belle View ES	N/A	LID Site Retrofit	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	BE0901 (2009) Poor	Good
73	Waynewood ES	N/A	LID Site Retrofit	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	N/A (drains directly to Potomac River)	Good
74	White Oaks ES	N/A	LID Site Retrofit	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	Note 2	PC1303 (2013) Missing, PC1006 (2010) Poor, PCPC02 (1999) Very Poor	Good
75	Centre Ridge Pd 6 Sec 12D-1 (0736DP)	N/A	Pond Retrofit (0736DP)	52.90	20.00	32.90	$642,000	268.37	11.72	14,924	Chesapeake Bay Program Retrofit Equations	N/A	Good
76	Flint Hill Manor Townhouses	N/A	Pond Retrofit (0073DP)	50.70	27.10	23.60	$200,000	76.02	3.73	5,000	Chesapeake Bay Program Retrofit Equations	ACAC01 (1999) Very Poor	Good
77	D'Evereaux West Sec 2	N/A	Pond Retrofit (0226DP)	51.59	11.90	39.69	$429,000	257.30	9.70	11,410	Chesapeake Bay Program Retrofit Equations	DC1201 (2012) Poor	Good
78	Ashburton Manors Sec 1	N/A	Pond Retrofit (1001DP)	17.60	6.80	10.80	$200,000	47.47	2.09	2,667	Chesapeake Bay Program Retrofit Equations	HC1002 (2010) Very Poor	Good
79	Beverly Manor	N/A	Pond Retrofit (0193DP)	43.50	28.10	15.40	$200,000	66.14	3.47	4,768	Chesapeake Bay Program Retrofit Equations	DE0601 (2006) Very Poor	Good
80	London Towne West Sec 2	N/A	Pond Retrofit (0326DP)	40.33	15.70	24.63	$390,000	175.37	7.73	9,890	Chesapeake Bay Program Retrofit Equations	CU1204 (2012) Poor	Good
81	Big Rocky Forest Regional Pond C-30	N/A	Pond Retrofit (0865DP)	189.71	61.30	128.41	$1,655,000	839.87	34.91	43,360	Chesapeake Bay Program Retrofit Equations	CU1001 (2010) Poor	Good
82	Sully Station Ph 2 Pd 7	N/A	Pond Retrofit (0964DP)	59.48	31.90	27.58	$525,000	206.16	10.13	13,581	Chesapeake Bay Program Retrofit Equations	CU1204 (2012) Poor	Good
83	Rosehaven Estates	N/A	Pond Retrofit (1235DP)	31.94	12.30	19.64	$200,000	86.99	3.82	4,880	Chesapeake Bay Program Retrofit Equations	ACAC01 (1999) Very Poor	Good
84	Middleton Farm Sec 1	N/A	Pond Retrofit (1349DP)	36.86	15.50	21.36	$398,000	166.65	7.54	9,754	Chesapeake Bay Program Retrofit Equations	HC1002 (2010) Very Poor	Good
85	Piney Branch Rd, Rt 29 Improvements	N/A	Pond Retrofit (DP0361)	31.42	19.20	12.22	$280,000	102.70	5.28	7,208	Chesapeake Bay Program Retrofit Equations	PHPI01 (1999) Very Poor	Good
86	Upper Wolftrap Creek Reg Pond	N/A	Pond Retrofit (0003DP)	293.42	137.80	155.62	$1,514,000	703.28	33.02	43,430	Chesapeake Bay Program Retrofit Equations	DFWC01 (1999) Very Poor	Good
87	Reston Sec 48 Blks 2, 3	N/A	Pond Retrofit (0111DP)	24.04	10.60	13.44	$200,000	57.51	2.64	3,444	Chesapeake Bay Program Retrofit Equations	DF0703 (2007) Very Poor	Good
88	Seven Oaks Sec 1 Pd 1	N/A	Pond Retrofit (0351DP)	10.68	6.40	4.28	$200,000	35.08	1.79	2,439	Chesapeake Bay Program Retrofit Equations	CA1303 (2013) Very Poor	Good
89	Copper Crossing Sec 1 Pd 1	N/A	Pond Retrofit (0426DP)	8.94	2.30	6.64	$200,000	54.69	2.12	2,544	Chesapeake Bay Program Retrofit Equations	HCHC02 (1999) Very Poor	Good
90	Fairland Towns	N/A	Pond Retrofit (0790DP)	17.60	8.40	9.20	$200,000	58.14	2.74	3,618	Chesapeake Bay Program Retrofit Equations	CA0601 (2006) Fair	Good
91	Brittenford Dr.	N/A	Stream Restoration	379.30	30.20	349.10	$5,005,000	288.75	261.80	172,788	Urban Stream Restoration Interim Rates	DF1205 (2012) Poor	Good
92	Greendale Golf Course (DC9214)	N/A	Stream Restoration	268.84	24.35	244.49	$2,866,500	165.38	149.94	98,960	Urban Stream Restoration Interim Rates	DC1201 (2012) Poor	Good
93	Scotts Run – South (Stream Valley Park)(SC234/SC232)	N/A	Stream Restoration	600.00	418.00	182.00	$2,925,000	168.75	153.00	100,980	Urban Stream Restoration Interim Rates	SCSC01 (1999) Very Poor	Good
94	Snakeden Branch(DF92102)	N/A	Stream Restoration	212.20	95.47	116.73	$3,341,000	192.75	174.76	115,342	Urban Stream Restoration Interim Rates	DFSB02 (1999) Poor	Good
95	Greendale Golf Course(DC9213)	N/A	Stream Restoration	260.84	24.35	236.49	$3,035,500	175.13	158.78	104,795	Urban Stream Restoration Interim Rates	DC1201 (2012) Poor	Good
96	Rabbit Branch Trib @ Collingham Dr(PC9256)	N/A	Stream Restoration	271.33	32.62	238.71	$5,850,000	225.00	204.00	134,640	Urban Stream Restoration Interim Rates	PC0904 (2009) Very Poor	Good
97	Colvin Run - Ph II Trib	N/A	Stream Restoration	254.00	253.69	0.31	$2,600,000	150.00	136.00	89,760	Urban Stream Restoration Interim Rates	DFCR02 (1999) Poor	Good
98	Unnamed Trib to Sideburn Branch(PC9241)	N/A	Stream Restoration	145.60	46.28	99.32	$4,680,000	270.00	244.80	161,568	Urban Stream Restoration Interim Rates	PC1402 (2014) Very Poor	Good
99	Flag Run DS 495(AC9229)	N/A	Stream Restoration	351.30	130.23	221.07	$3,185,000	183.75	166.60	109,956	Urban Stream Restoration Interim Rates	AC0503 (2005) Very Poor	Good
100	Old Courthouse Spring Branch - Phase II	N/A	Stream Restoration	421.50	255.58	165.92	$1,560,000	90.00	81.60	53,856	Urban Stream Restoration Interim Rates	DF1005 (2010) Fair	Good

Fairfax County MS4 Permit VA0088587
Part I.B.1. Planning:
Updated Summary of Potential Stormwater Management Projects

#	Project Name	Substantial Completion	Type of Project or BMP	Number of Acres Treated	Impervious Acres Treated	Pervious Acres Treated	Estimated Cost of Implementation ($)	Estimated Amount of Total Pollutant Reduction (lbs/yr)			Pollutant Reduction Calculation Method (Note 3, Note 4)	Condition of the Downstream Channel (Index of Biological Integrity)	Feasibility for Implementation
								TN	TP	TSS			
101	Rabbit Branch Trib @ Tapestry Dr (PC9268)	N/A	Stream Restoration	243.57	25.67	217.90	$5,200,000	300.00	272.00	179,520	Urban Stream Restoration Interim Rates	PCRA01 (1999) Poor	Good
102	Cove Creek @ Wakerobin	N/A	Stream Restoration	50.00	43.25	6.75	$1,027,000	59.25	53.72	35,455	Urban Stream Restoration Interim Rates	DF1012 (2010) Fair	Good
103	Danbury Forest	N/A	Stream Restoration	248.00	71.54	176.46	$1,300,000	75.00	68.00	44,880	Urban Stream Restoration Interim Rates	AC1101 (2011) Very Poor	Good
104	Young Branch (PH9204B&C)	N/A	Stream Restoration	337.00	12.00	325.00	$4,940,000	285.00	258.40	170,544	Urban Stream Restoration Interim Rates	PH1102 (2011) Good	Good
105	Flag Run US 495	N/A	Stream Restoration	394.92	130.23	264.69	$1,690,000	97.50	88.40	58,344	Urban Stream Restoration Interim Rates	AC0503 (2005) Very Poor	Good
106	Coon Branch at Annandale Park	N/A	Stream Restoration	595.59	175.92	419.67	$1,677,000	96.75	87.72	57,895	Urban Stream Restoration Interim Rates	AC1002 (2010) Poor	Good
			Subtotal:	**6,368.87**	**2,279.84**	**4,089.03**	**$59,435,000**	**6,084.72**	**2,756.37**	**1,908,106**			
			Total:	**26,415.28**	**8,897.16**	**17,518.12**	**$139,079,542**	**19,515.85**	**7,295.57**	**4,471,399**			

Projects are first prioritized based on their completion status in the following order: Completed Projects; In Construction Projects; In Design Projects; and, Scoping Projects. Final prioritization and decisions about the project selections that are ultimately implemented are made by the County based on multiple factors, including site-specific considerations, as well as approval by the County Board of Supervisors.

Note 1 Projects which have been identified as needing restoration but lack sufficient design details to provide cost and pollutant reduction.

Note 2 Site retrofit projects that will be incorporated as a partnership with other county agencies' capital improvement programs.

Note 3 The stream restoration protocols were used instead of the interim rates when the County had the specific data necessary to support the more precise protocols.

Note 4 Pollutant reduction calculation methods (i.e. efficiency sources) are for planning purposes. The final efficiency sources will be documented in the County's Chesapeake Bay TMDL Action Plan.