

Appendix A:

TIPP Spreadsheets

1. SUMMARY

BASIC PROJECT INFORMATION

Populate blue cells below with basic project information. All blue cells in this section are required for the tool to return results.

Name of Implementation Plan	Baltimore Harbor - TP	Baltimore Harbor - TN
Watershed Code - MD 8digit or Chesapeake Bay Segment	02130903	02130903
Watershed Name	Baltimore Harbor	
County	Anne Arundel	Anne Arundel
Baseline Year	1995	1995
Reduction %	15	15
Impairment	TP	TN

Are you using specific land use information? (i.e. Impervious Road and Impervious NonRoad data)	No
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Specific land use information can be found using reclassified land cover data located on MDE's TMDL Stormwater Implementation Resources webpage

BASELINE YEAR

Baseline Year Summary

Type	EOS Load (lbs/yr)			EOT Load (lbs/yr)		
	TN	TP	TSS	TN	TP	TSS
Land Use	286,512.68	23,289.55	29,663,559.57	286,512.68	23,289.55	29,663,559.57
Load Reductions						
Septic BMPs	-	-	-	-	-	-
Alternative BMPs	-	-	-	-	-	-
Land Use Conversion	4,093.57	700.75	(2,588,283.60)	4,093.57	700.75	(2,588,283.60)
SW Management BMPs	8,370.38	964.97	1,589,342.53	8,370.38	964.97	1,589,342.53
TOTAL LOAD REDUCTION	12,463.95	1,665.71	(998,941.07)	12,463.95	1,665.71	(998,941.07)

PERMIT LOAD

Permit Load Summary

Type	EOS Load Reductions (lbs/yr)			EOT Load Reductions (lbs/yr)		
	TN	TP	TSS	TN	TP	TSS
Septic BMPs	-	-	-	-	-	-
Alternative BMPs	3,108.89	710.10	1,446,890.82	3,108.89	710.10	1,446,890.82
Land Use Conversion	9.42	0.78	470.44	9.42	0.78	470.44
SW Management BMPs	4,859.13	560.86	918,667.31	4,859.13	560.86	918,667.31
TOTAL LOAD REDUCTION	7,977.44	1,271.75	2,366,028.56	7,977.44	1,271.75	2,366,028.56

CURRENT PROGRESS

Current Progress Summary

Type	EOS Load Reductions (lbs/yr)			EOT Load Reductions (lbs/yr)		
	TN	TP	TSS	TN	TP	TSS
Septic BMPs	-	-	-	-	-	-
Alternative BMPs	3,128.77	728.12	1,512,610.82	3,128.77	728.12	1,512,610.82
Land Use Conversion	13.90	1.21	902.99	13.90	1.21	902.99
SW Management BMPs	5,458.66	636.58	1,055,154.52	5,458.66	636.58	1,055,154.52
TOTAL LOAD REDUCTION	8,601.32	1,365.91	2,568,668.33	8,601.32	1,365.91	2,568,668.33

IMPLEMENTATION SCENARIO

Implementation Scenario summary

Type	EOS Load Reductions (lbs/yr)			EOT Load Reductions (lbs/yr)		
	TN	TP	TSS	TN	TP	TSS
Milestone 1						
Septic BMPs	-	-	-	-	-	-
Alternative BMPs	25,213.36	3,130.40	8,130,298.36	25,213.36	3,130.40	8,130,298.36
Land Use Conversion	-	-	-	-	-	-
SW Management BMPs	3,119.68	309.69	454,119.85	3,119.68	309.69	454,119.85
TOTAL LOAD REDUCTION	28,333.04	3,440.09	8,584,418.21	28,333.04	3,440.09	8,584,418.21
Milestone 2						
Septic BMPs	-	-	-	-	-	-
Alternative BMPs	-	-	-	-	-	-
Land Use Conversion	-	-	-	-	-	-
SW Management BMPs	-	-	-	-	-	-
TOTAL LOAD REDUCTION	-	-	-	-	-	-
Planned						
Septic BMPs	-	-	-	-	-	-
Alternative BMPs	1,028.78	932.76	3,401,840.80	1,028.78	932.76	3,401,840.80
Land Use Conversion	-	-	-	-	-	-
SW Management BMPs	3,151.35	283.37	412,929.53	3,151.35	283.37	412,929.53
TOTAL LOAD REDUCTION	4,180.14	1,216.14	3,814,770.33	4,180.14	1,216.14	3,814,770.33

BMP Units

Summary of BMP units (#/acres/length)

Type	Baseline Year	Permit Load	Current Progress	Implementation	TOTAL	Units Treated
Septic BMPs	-	-	-	-	-	# of Systems
Shoreline Management	-	-	-	-	-	ft
Stream Restoration	-	6,014.73	6,279.73	58,080.10	70,374.56	ft
Street Sweeping	-	93.71	93.71	-	187.42	Lane Miles
Storm Drain Cleaning	-	138,263.77	138,263.77	-	276,527.54	lbs
Urban Nutrient Mgmt	-	-	-	-	-	Acres
Land Use Conversion	5,976.78	2.81	3.14	-	5,982.73	Acres
SW Management BMPs	1,630.13	799.41	894.71	742.03	4,066.28	Acres

SUMMARY

Overall plan summary for TP

EOS or EOT	EOS	
Baseline		
Impairment Baseline Load	21,623.84	lbs/yr
Target Reduction %	15.00	%
Target Load	18,380.26	lbs/yr
Total Reduction Required	3,243.58	lbs/yr
Permit		
Total Permit Load	20,352.08	lbs/yr
Permit % Reduction	5.88	%
Progress		
Total Progress Load	20,257.93	lbs/yr
Progress % Reduction	6.32	%
Implementation (Milestone 1)		
Total Load after Implementation	16,817.84	lbs/yr
Implementation % Reduction	22.23	%
Implementation (Milestone 1 + Milestone 2)		
Total Load after Implementation	16,817.84	lbs/yr
Implementation % Reduction	22.23	%
Implementation (Milestone 1 + Milestone 2 + Planned)		
Total Load after Implementation	16,817.84	lbs/yr
Implementation % Reduction	22.23	%

Overall plan summary for TN

EOS or EOT		EOS	
Baseline			
Impairment Baseline Load		274,048.73	lbs/yr
Target Reduction %		15.00	%
Target Load		232,941.42	lbs/yr
Total Reduction Required		41,107.31	lbs/yr
Permit			
Total Permit Load		266,071.30	lbs/yr
Permit % Reduction		2.91	%
Progress			
Total Progress Load		265,447.41	lbs/yr
Progress % Reduction		3.14	%
Implementation (Milestone 1)			
Total Load after Implementation		237,114.37	lbs/yr
Implementation % Reduction		13.48	%
Implementation (Milestone 1 + Milestone 2)			
Total Load after Implementation		237,114.37	lbs/yr
Implementation % Reduction		13.48	%
Implementation (Milestone 1 + Milestone 2 + Planned)			
Total Load after Implementation		232,934.23	lbs/yr
Implementation % Reduction		15.00	%

2. BASELINE YEAR

SUMMARY

Baseline EOS Load (lbs/yr)			Baseline EOT Load (lbs/yr)		
TN	TP	TSS	TN	TP	TSS
274,048.73	21,623.84	30,662,500.64	274,048.73	21,623.84	30,662,500.64

LAND USE

Populate blue cells below with baseline year land use information. Enter Aggregate Impervious information **OR** Impervious Road and Impervious NonRoad information, but not both. Cells will be grayed out based on specific or general land use select

Land Use (acres)		EOS Load (lbs/yr)			EOT Load (lbs/yr)		
Type	Amount	TN	TP	TSS	TN	TP	TSS
Aggregate Impervious	7,029.31	138,817.34	10,469.65	20,421,232.92	138,817.34	10,469.65	20,421,232.92
Impervious Road		-	-	-	-	-	-
Impervious NonRoad		-	-	-	-	-	-
Turf	12,423.82	147,695.35	12,819.90	9,242,326.65	147,695.35	12,819.90	9,242,326.65
Septic Systems		-	-	-	-	-	-
Total		286,512.68	23,289.55	29,663,559.57	286,512.68	23,289.55	29,663,559.57

SEPTIC BMPs

Populate blue cells below with baseline year septic BMP information. **Please note that addition of septic loads is OPTIONAL.**

BMP Short Name	BMP Description	# of Systems	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
			TN	TP	TSS	TN	TP	TSS
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
Total		-	-	-	-	-	-	-

ALTERNATIVE BMPs

Populate blue cells below with proposed alternative BMP information. It is recommended that Shoreline Managment and Stream Restoration load reductions be entered manually, however, default planning rates are available for planning purposes. Please use the protocol methods outlined in the expert panels approved by CBP to determine load reductions outside of this tool.

SHORELINE MANAGEMENT

Type	Total Feet	EOT Load Reduction (lbs/yr)		
		TN	TP	TSS
Total	-	-	-	-

STREAM RESTORATION

Type	Total Feet	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
		TN	TP	TSS	TN	TP	TSS
					-	-	-
					-	-	-
Total	-	-	-	-	-	-	-

STREET SWEEPING

BMP Short Name	BMP Description	Lane Miles	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
			TN	TP	TSS	TN	TP	TSS
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
Total		-	-	-	-	-	-	-

STORM DRAIN CLEANING

User must indicate whether using default enrichment factors. If yes, leave TN and TP input cells blank.

Material	Nutrient Enrichment Factor			lbs	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
	Defaults?	TN	TP		TN	TP	TSS	TN	TP	TSS
					-	-	-	-	-	-
					-	-	-	-	-	-
Total				-	-	-	-	-	-	-

URBAN NUTRIENT MANAGEMENT

User must indicate whether or not the Fertilizer Act applies to the practice. In general, the Fertilizer Act applies to all practices implemented after 2014.

BMP Short Name	BMP Description	Fertilizer Act?	Treated Turf (acres)	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
				TN	TP	TSS	TN	TP	TSS
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
Total			-	-	-	-	-	-	-

LAND USE CONVERSION BMPS

Populate blue cells below with baseline year land use conversion information. Only approved MDE BMPs will be accepted.

Land Use Conversion		Acres	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
Converting from	Converting to		TN	TP	TSS	TN	TP	TSS
Turf	Tree Canopy over Turf	4,554.42	12,886.10	1,118.51	196,511.13	12,886.10	1,118.51	196,511.13
Turf	Tree Canopy over Aggregate Impervious	1,422.36	(8,792.53)	(417.76)	(2,784,794.73)	(8,792.53)	(417.76)	(2,784,794.73)
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
Total		5,976.78	4,093.57	700.75	(2,588,283.60)	4,093.57	700.75	(2,588,283.60)

STORMWATER MANAGEMENT BMPS

Populate blue cells below with baseline year stormwater management BMP information. Enter Aggregate Impervious information OR Impervious Road and Impervious NonRoad information, but not both. Cells will be grayed out based on specific or non-specific land use selection. For RR/ST

BMPs, users have two options: 1) Input applicable BMPs by type and use the BMP efficiency to determine the load reduction or 2) designate the BMP as an RR or ST practice and use the Pe treated to determine the load reduction. User must designate if a Floating Treatment Wetland is

BMP Short Name	BMP Description	Pe, if applicable	Floating Treatment Wetland?	Treated (acres)				EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
				Aggregate Impervious	Impervious Road	Impervious NonRoad	Turf	TN	TP	TSS	TN	TP	TSS
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	49.83	0.29	0.03	49.83
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.12	0.01	19.25	0.12	0.01	19.25
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.02	0.84	0.08	143.20	0.84	0.08	143.20
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.63	0.06	102.81	0.63	0.06	102.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.45	0.04	72.58	0.45	0.04	72.58
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.37	0.03	61.80	0.37	0.03	61.80
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.53	0.05	88.08	0.53	0.05	88.08
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.31	0.03	51.48	0.31	0.03	51.48
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.07			0.02	0.75	0.07	125.23	0.75	0.07	125.23
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.02	0.42	0.04	62.94	0.42	0.04	62.94
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	35.44	0.21	0.02	35.44
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.30	0.03	50.16	0.30	0.03	50.16
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.30	0.03	51.15	0.30	0.03	51.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.07			0.14	1.36	0.13	171.78	1.36	0.13	171.78
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.20			0.05	2.03	0.18	345.01	2.03	0.18	345.01
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.53			0.15	5.53	0.50	931.21	5.53	0.50	931.21
ST	Stormwater Performance Standard-Stormwa	0.50	NO	5.02			5.01	41.45	5.19	9,565.51	41.45	5.19	9,565.51
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.53			0.13	5.40	0.48	916.17	5.40	0.48	916.17
RR	Stormwater Performance Standard-Runoff R	0.59	NO	1.06			0.84	15.12	1.40	2,265.70	15.12	1.40	2,265.70
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.15			0.05	1.58	0.14	263.09	1.58	0.14	263.09
RR	Stormwater Performance Standard-Runoff R	0.53	NO	0.12			0.03	1.23	0.11	210.58	1.23	0.11	210.58
RR	Stormwater Performance Standard-Runoff R	0.50	NO	3.00			2.35	39.14	3.61	5,869.04	39.14	3.61	5,869.04
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.16			0.08	1.87	0.17	299.30	1.87	0.17	299.30
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.53			0.55	7.63	0.71	1,096.01	7.63	0.71	1,096.01
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.56	0.05	93.28	0.56	0.05	93.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.15			0.05	1.60	0.14	264.97	1.60	0.14	264.97

RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.02	0.76	0.07	129.83	0.76	0.07	129.83
ST	Stormwater Performance Standard-Stormwa	0.50	NO	2.15			3.96	23.41	2.99	4,809.03	23.41	2.99	4,809.03
ST	Stormwater Performance Standard-Stormwa	0.50	NO	1.79			3.20	19.16	2.45	3,957.97	19.16	2.45	3,957.97
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.42	0.04	71.05	0.42	0.04	71.05
ST	Stormwater Performance Standard-Stormwa	1.84	NO	11.97			18.11	175.64	22.33	37,538.82	175.64	22.33	37,538.82
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	54.08	0.33	0.03	54.08
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.18			0.09	2.10	0.19	335.63	2.10	0.19	335.63
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.14	0.01	21.17	0.14	0.01	21.17
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	47.16	0.29	0.03	47.16
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	56.08	0.34	0.03	56.08
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	53.24	0.33	0.03	53.24
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.31	0.03	51.66	0.31	0.03	51.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	48.28	0.29	0.03	48.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.12	0.01	20.09	0.12	0.01	20.09
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.31			0.33	4.57	0.43	651.63	4.57	0.43	651.63
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.14	1.28	0.12	153.22	1.28	0.12	153.22
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.28	0.03	47.34	0.28	0.03	47.34
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.27	0.02	43.98	0.27	0.02	43.98
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	47.94	0.29	0.03	47.94
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	49.73	0.29	0.03	49.73
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	57.15	0.34	0.03	57.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.32	0.03	53.54	0.32	0.03	53.54
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.05			0.01	0.66	0.06	110.53	0.66	0.06	110.53
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.52	0.05	88.67	0.52	0.05	88.67
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	35.90	0.21	0.02	35.90
ST	Stormwater Performance Standard-Stormwa	0.52	NO	0.03			0.01	0.21	0.03	56.52	0.21	0.03	56.52
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.67			0.20	6.96	0.63	1,166.67	6.96	0.63	1,166.67
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	48.09	0.29	0.03	48.09
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	42.16	0.25	0.02	42.16
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.26	0.02	42.77	0.26	0.02	42.77
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	59.62	0.35	0.03	59.62
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.28	0.02	46.50	0.28	0.02	46.50
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.66	0.06	107.03	0.66	0.06	107.03
ST	Stormwater Performance Standard-Stormwa	0.50	NO	0.06			0.02	0.37	0.04	99.13	0.37	0.04	99.13
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.59	0.05	99.01	0.59	0.05	99.01
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.59	0.05	99.92	0.59	0.05	99.92
ST	Stormwater Performance Standard-Stormwa	0.50	NO	3.49			6.85	39.30	5.04	7,964.31	39.30	5.04	7,964.31
ST	Stormwater Performance Standard-Stormwa	0.50	NO	4.84			8.42	51.15	6.53	10,625.98	51.15	6.53	10,625.98
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.15	0.01	24.41	0.15	0.01	24.41
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	55.84	0.33	0.03	55.84
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.44	0.04	74.96	0.44	0.04	74.96
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.64	0.06	106.99	0.64	0.06	106.99
ST	Stormwater Performance Standard-Stormwa	0.50	NO	6.21			14.16	75.78	9.77	14,885.51	75.78	9.77	14,885.51
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	34.32	0.21	0.02	34.32
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.19	0.02	31.66	0.19	0.02	31.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	34.71	0.21	0.02	34.71
ST	Stormwater Performance Standard-Stormwa	0.50	NO	1.03			1.70	10.58	1.35	2,221.59	10.58	1.35	2,221.59
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.51			1.04	10.02	0.95	1,255.59	10.02	0.95	1,255.59
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	59.85	0.35	0.03	59.85
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	49.33	0.29	0.03	49.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.28	0.03	47.22	0.28	0.03	47.22
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.09	0.01	15.46	0.09	0.01	15.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	42.11	0.25	0.02	42.11
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.49	0.04	82.06	0.49	0.04	82.06
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.51			0.41	15.55	1.40	2,627.26	15.55	1.40	2,627.26
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.66			0.22	7.05	0.64	1,172.03	7.05	0.64	1,172.03
ST	Stormwater Performance Standard-Stormwa	0.50	NO	1.50			2.98	17.00	2.18	3,435.21	17.00	2.18	3,435.21
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.07			0.02	0.72	0.06	121.90	0.72	0.06	121.90
RR	Stormwater Performance Standard-Runoff R	2.60	NO	0.00			0.08	0.72	0.07	61.69	0.72	0.07	61.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.42	0.04	71.13	0.42	0.04	71.13
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.22			0.18	2.94	0.27	437.02	2.94	0.27	437.02
ST	Stormwater Performance Standard-Stormwa	0.50	NO	0.36			0.10	2.15	0.26	579.94	2.15	0.26	579.94
RR	Stormwater Performance Standard-Runoff R	0.52	NO	0.06			0.02	0.67	0.06	113.44	0.67	0.06	113.44
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.92			0.24	9.41	0.84	1,594.71	9.41	0.84	1,594.71
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.68			0.18	6.98	0.63	1,178.27	6.98	0.63	1,178.27

ST	Stormwater Performance Standard-Stormwa	0.50	NO	2.25			3.69	23.08	2.94	4,851.85	23.08	2.94	4,851.85
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.67			0.19	6.92	0.62	1,163.51	6.92	0.62	1,163.51
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.27			0.08	2.84	0.26	475.20	2.84	0.26	475.20
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.61			0.18	6.36	0.57	1,069.81	6.36	0.57	1,069.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.02	0.88	0.08	147.58	0.88	0.08	147.58
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	48.20	0.29	0.03	48.20
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	36.56	0.22	0.02	36.56
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.30	0.03	50.65	0.30	0.03	50.65
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.10			0.03	1.01	0.09	170.93	1.01	0.09	170.93
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.03	0.88	0.08	144.33	0.88	0.08	144.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	56.11	0.34	0.03	56.11
ST	Stormwater Performance Standard-Stormwa	0.63	NO	3.47			7.02	44.59	5.72	8,981.64	44.59	5.72	8,981.64
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.03	0.51	0.05	76.25	0.51	0.05	76.25
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	35.53	0.22	0.02	35.53
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	41.08	0.25	0.02	41.08
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	36.00	0.23	0.02	36.00
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.61	0.20	0.02	33.61
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	56.43	0.34	0.03	56.43
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.36	0.03	60.16	0.36	0.03	60.16
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.17	0.02	29.05	0.17	0.02	29.05
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	57.69	0.35	0.03	57.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.28	0.03	46.74	0.28	0.03	46.74
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.27	0.02	45.13	0.27	0.02	45.13
ST	Stormwater Performance Standard-Stormwa	0.50	NO	0.24			0.72	3.49	0.45	646.56	3.49	0.45	646.56
ST	Stormwater Performance Standard-Stormwa	1.35	NO	0.34			2.77	14.81	1.97	2,277.82	14.81	1.97	2,277.82
ST	Stormwater Performance Standard-Stormwa	0.95	NO	0.04			1.48	6.31	0.86	832.14	6.31	0.86	832.14
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.13			0.03	1.32	0.12	227.65	1.32	0.12	227.65
ST	Stormwater Performance Standard-Stormwa	0.50	NO	0.49			0.42	3.85	0.48	913.99	3.85	0.48	913.99
RR	Stormwater Performance Standard-Runoff R	2.60	NO	0.01			0.00	0.21	0.02	35.63	0.21	0.02	35.63
ST	Stormwater Performance Standard-Stormwa	1.60	NO	6.11			6.39	75.46	9.47	17,274.45	75.46	9.47	17,274.45
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.01			0.16	1.30	0.13	115.93	1.30	0.13	115.93
RR	Stormwater Performance Standard-Runoff R	1.20	NO	0.02			0.02	0.37	0.03	54.74	0.37	0.03	54.74
ST	Stormwater Performance Standard-Stormwa	0.93	NO	9.63			16.91	133.71	17.08	27,727.14	133.71	17.08	27,727.14
ST	Stormwater Performance Standard-Stormwa	0.67	NO	3.87			6.32	45.90	5.85	9,660.10	45.90	5.85	9,660.10
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.00			0.00	0.01	0.00	1.05	0.01	0.00	1.05
ST	Stormwater Performance Standard-Stormwa	0.42	NO	1.42			2.65	14.04	1.80	2,876.12	14.04	1.80	2,876.12
ST	Stormwater Performance Standard-Stormwa	2.60	NO	7.98			14.82	131.95	16.96	27,120.36	131.95	16.96	27,120.36
ST	Stormwater Performance Standard-Stormwa	0.31	NO	6.99			6.86	41.61	5.21	9,632.36	41.61	5.21	9,632.36
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.01			0.01	0.15	0.01	24.11	0.15	0.01	24.11
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.02			0.00	0.17	0.02	29.34	0.17	0.02	29.34
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.01			0.00	0.08	0.01	13.13	0.08	0.01	13.13
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.00			0.00	0.05	0.00	6.80	0.05	0.00	6.80
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.02			0.01	0.16	0.01	25.83	0.16	0.01	25.83
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.02			0.01	0.20	0.02	33.11	0.20	0.02	33.11
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.02			0.01	0.21	0.02	35.33	0.21	0.02	35.33
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.01			0.01	0.14	0.01	22.78	0.14	0.01	22.78
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.02			0.01	0.17	0.02	28.70	0.17	0.02	28.70
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.02			0.01	0.19	0.02	32.32	0.19	0.02	32.32
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.00			0.00	0.05	0.00	7.92	0.05	0.00	7.92
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.02			0.01	0.18	0.02	29.44	0.18	0.02	29.44
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.01			0.00	0.06	0.01	9.89	0.06	0.01	9.89
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.01			0.01	0.13	0.01	19.20	0.13	0.01	19.20
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.02			0.00	0.16	0.01	26.51	0.16	0.01	26.51
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.01			0.00	0.05	0.00	8.85	0.05	0.00	8.85
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.01			0.00	0.07	0.01	10.76	0.07	0.01	10.76
RR	Stormwater Performance Standard-Runoff R	0.43	NO	0.01			0.00	0.05	0.00	8.30	0.05	0.00	8.30
ST	Stormwater Performance Standard-Stormwa	0.50	NO	7.04			12.05	73.79	9.41	15,382.61	73.79	9.41	15,382.61
ST	Stormwater Performance Standard-Stormwa	2.60	NO	2.71			5.51	47.04	6.06	9,486.74	47.04	6.06	9,486.74
ST	Stormwater Performance Standard-Stormwa	2.14	NO	11.24			25.24	204.29	26.35	40,296.47	204.29	26.35	40,296.47
ST	Stormwater Performance Standard-Stormwa	0.50	NO	4.74			15.95	74.03	9.66	13,405.64	74.03	9.66	13,405.64
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.46			0.13	4.72	0.42	795.56	4.72	0.42	795.56
RR	Stormwater Performance Standard-Runoff R	0.50	NO	6.73			19.74	164.75	15.88	19,167.97	164.75	15.88	19,167.97
ST	Stormwater Performance Standard-Stormwa	0.50	NO	7.92			15.64	89.48	11.47	18,113.81	89.48	11.47	18,113.81
ST	Stormwater Performance Standard-Stormwa	0.50	NO	6.23			3.93	44.35	5.48	10,986.26	44.35	5.48	10,986.26
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	39.52	0.23	0.02	39.52

RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.18	0.02	31.11	0.18	0.02	31.11
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	37.93	0.22	0.02	37.93
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.26			0.06	2.63	0.24	446.35	2.63	0.24	446.35
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.16			0.06	1.75	0.16	288.55	1.75	0.16	288.55
RR	Stormwater Performance Standard-Runoff R	0.50	NO	2.93			6.58	61.01	5.83	7,509.97	61.01	5.83	7,509.97
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.57			0.14	5.80	0.52	986.19	5.80	0.52	986.19
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.65			0.23	6.98	0.63	1,154.90	6.98	0.63	1,154.90
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.93			0.78	12.37	1.14	1,833.96	12.37	1.14	1,833.96
ST	Stormwater Performance Standard-Stormwa	0.50	NO	4.74			9.54	54.11	6.94	10,909.42	54.11	6.94	10,909.42
ST	Stormwater Performance Standard-Stormwa	2.60	NO	9.24			15.09	143.06	18.30	30,185.82	143.06	18.30	30,185.82
ST	Stormwater Performance Standard-Stormwa	0.50	NO	3.43			1.53	22.46	2.75	5,808.69	22.46	2.75	5,808.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.41			0.11	4.23	0.38	717.23	4.23	0.38	717.23
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.07			0.02	0.72	0.07	120.24	0.72	0.07	120.24
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.30	0.03	48.67	0.30	0.03	48.67
ST	Stormwater Performance Standard-Stormwa	0.50	NO	1.34			2.39	14.35	1.83	2,965.71	14.35	1.83	2,965.71
ST	Stormwater Performance Standard-Stormwa	1.10	NO	3.56			7.13	55.49	7.12	11,196.61	55.49	7.12	11,196.61
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.16	0.01	26.79	0.16	0.01	26.79
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.16	0.01	26.07	0.16	0.01	26.07
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.11	0.01	17.97	0.11	0.01	17.97
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.17	0.01	28.55	0.17	0.01	28.55
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.16	0.01	27.69	0.16	0.01	27.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.22			0.12	2.54	0.23	399.74	2.54	0.23	399.74
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.88			0.47	10.32	0.94	1,632.93	10.32	0.94	1,632.93
RR	Stormwater Performance Standard-Runoff R	0.39	NO	0.13			0.30	2.39	0.23	291.02	2.39	0.23	291.02
RR	Stormwater Performance Standard-Runoff R	0.48	NO	0.09			0.08	1.20	0.11	174.07	1.20	0.11	174.07
ST	Stormwater Performance Standard-Stormwa	0.50	NO	1.44			2.46	15.09	1.92	3,149.54	15.09	1.92	3,149.54
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.23			0.12	2.70	0.25	428.83	2.70	0.25	428.83
ST	Stormwater Performance Standard-Stormwa	1.00	NO	5.96			12.09	91.38	11.73	18,393.63	91.38	11.73	18,393.63
RR	Stormwater Performance Standard-Runoff R	0.34	NO	4.74			11.89	82.12	7.87	9,866.95	82.12	7.87	9,866.95
ST	Stormwater Performance Standard-Stormwa	0.71	NO	5.21			7.68	60.28	7.65	12,945.28	60.28	7.65	12,945.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.13			0.28	2.69	0.26	335.41	2.69	0.26	335.41
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.41			0.10	4.18	0.37	712.07	4.18	0.37	712.07
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.12	0.01	21.08	0.12	0.01	21.08
ST	Stormwater Performance Standard-Stormwa	0.50	NO	4.17			6.86	42.83	5.46	9,000.82	42.83	5.46	9,000.82
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.15	0.01	24.16	0.15	0.01	24.16
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.12	0.01	21.20	0.12	0.01	21.20
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.66			0.46	8.34	0.77	1,272.73	8.34	0.77	1,272.73
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.14			0.28	2.73	0.26	341.27	2.73	0.26	341.27
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.39			0.61	6.72	0.63	889.28	6.72	0.63	889.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.28			0.28	3.94	0.37	568.08	3.94	0.37	568.08
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.11			0.19	2.00	0.19	262.06	2.00	0.19	262.06
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.50			0.26	5.80	0.53	919.31	5.80	0.53	919.31
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.49			0.60	7.55	0.71	1,050.91	7.55	0.71	1,050.91
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.09			0.19	1.82	0.17	226.64	1.82	0.17	226.64
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.14			0.07	1.57	0.14	251.26	1.57	0.14	251.26
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.63			0.58	8.70	0.81	1,271.85	8.70	0.81	1,271.85
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.47			0.43	6.43	0.60	942.64	6.43	0.60	942.64
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.09	0.78	0.07	94.21	0.78	0.07	94.21
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.44			0.23	5.17	0.47	819.76	5.17	0.47	819.76
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.46			0.61	7.31	0.69	1,001.30	7.31	0.69	1,001.30
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.44			0.52	6.72	0.63	940.48	6.72	0.63	940.48
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.12	1.00	0.10	115.03	1.00	0.10	115.03
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.12			0.08	1.44	0.13	221.55	1.44	0.13	221.55
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.13			0.07	1.54	0.14	242.16	1.54	0.14	242.16
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.41			0.37	5.57	0.52	814.87	5.57	0.52	814.87
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.13	0.76	0.08	68.56	0.76	0.08	68.56
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.11			0.15	1.79	0.17	245.80	1.79	0.17	245.80
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.85			0.57	10.58	0.97	1,620.48	10.58	0.97	1,620.48
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.36			0.07	3.56	0.32	613.75	3.56	0.32	613.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.24			0.05	2.41	0.22	413.28	2.41	0.22	413.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.39			0.08	3.86	0.34	663.46	3.86	0.34	663.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.07			0.50	12.18	1.11	1,954.93	12.18	1.11	1,954.93
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.43			0.09	4.23	0.38	728.81	4.23	0.38	728.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.86			2.25	19.61	1.88	2,338.85	19.61	1.88	2,338.85
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.12	0.01	21.01	0.12	0.01	21.01

RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.17	0.01	28.81	0.17	0.01	28.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.13	0.01	21.84	0.13	0.01	21.84
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.56			0.44	7.33	0.68	1,099.52	7.33	0.68	1,099.52
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.53	0.05	88.55	0.53	0.05	88.55
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.14	0.01	23.14	0.14	0.01	23.14
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.17	0.02	28.53	0.17	0.02	28.53
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.14	0.01	23.95	0.14	0.01	23.95
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.15	0.01	24.52	0.15	0.01	24.52
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.18	0.02	30.26	0.18	0.02	30.26
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.17	0.02	26.82	0.17	0.02	26.82
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.17	0.02	28.72	0.17	0.02	28.72
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.12	0.01	19.96	0.12	0.01	19.96
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	35.82	0.22	0.02	35.82
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.13	0.01	20.78	0.13	0.01	20.78
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.16	0.01	25.66	0.16	0.01	25.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.19	0.02	32.67	0.19	0.02	32.67
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.00			0.01	0.03	0.00	2.46	0.03	0.00	2.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.15	0.01	24.91	0.15	0.01	24.91
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.00			0.01	0.03	0.00	2.68	0.03	0.00	2.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	54.55	0.33	0.03	54.55
RR	Stormwater Performance Standard-Runoff R	0.50	NO	5.20			13.63	118.65	11.40	14,136.58	118.65	11.40	14,136.58
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	48.39	0.29	0.03	48.39
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	47.28	0.29	0.03	47.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	48.94	0.29	0.03	48.94
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	48.14	0.29	0.03	48.14
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	49.28	0.29	0.03	49.28
ST	Stormwater Performance Standard-Stormwa	0.13	NO	19.07			26.99	64.93	8.23	14,061.69	64.93	8.23	14,061.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.50			0.59	7.61	0.71	1,065.81	7.61	0.71	1,065.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.28	0.03	47.90	0.28	0.03	47.90
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.20			1.10	16.43	1.52	2,401.67	16.43	1.52	2,401.67
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.69			0.48	8.64	0.79	1,319.75	8.64	0.79	1,319.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.10	0.01	17.74	0.10	0.01	17.74
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.18	0.02	30.83	0.18	0.02	30.83
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.17	0.01	27.22	0.17	0.01	27.22
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.00			0.01	0.04	0.00	3.14	0.04	0.00	3.14
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.83			1.93	17.61	1.69	2,147.93	17.61	1.69	2,147.93
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	37.55	0.23	0.02	37.55
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	48.22	0.29	0.03	48.22
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	40.33	0.24	0.02	40.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	40.21	0.24	0.02	40.21
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	55.76	0.33	0.03	55.76
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.28	0.02	46.81	0.28	0.02	46.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	49.66	0.29	0.03	49.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.53			1.59	13.13	1.27	1,521.96	13.13	1.27	1,521.96
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.28	0.02	46.87	0.28	0.02	46.87
RR	Stormwater Performance Standard-Runoff R	0.50	NO	2.04			4.06	39.75	3.78	5,019.46	39.75	3.78	5,019.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.10			0.02	1.03	0.09	175.83	1.03	0.09	175.83
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.00			0.00	0.00	0.00	0.03	0.00	0.00	0.03
ST	Stormwater Performance Standard-Stormwa	0.50	NO	0.17			0.35	1.95	0.25	393.00	1.95	0.25	393.00
ST	Stormwater Performance Standard-Stormwa	0.50	NO	2.52			6.66	33.71	4.37	6,422.34	33.71	4.37	6,422.34
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.00			0.00	0.00	0.00	0.08	0.00	0.00	0.08
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	35.60	0.21	0.02	35.60
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.88	0.20	0.02	33.88
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	35.80	0.22	0.02	35.80
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	39.64	0.24	0.02	39.64
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.37			0.10	3.79	0.34	639.31	3.79	0.34	639.31
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.07			0.53	12.29	1.12	1,960.40	12.29	1.12	1,960.40
RR	Stormwater Performance Standard-Runoff R	0.88	NO	1.28			0.39	17.15	1.55	2,881.63	17.15	1.55	2,881.63
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.46			0.20	5.10	0.46	825.66	5.10	0.46	825.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.62			0.30	7.08	0.64	1,133.48	7.08	0.64	1,133.48
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.11			0.02	1.10	0.10	189.44	1.10	0.10	189.44
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.37			0.09	3.80	0.34	647.26	3.80	0.34	647.26
RR	Stormwater Performance Standard-Runoff R	0.50	NO	3.20			1.13	34.38	3.10	5,682.52	34.38	3.10	5,682.52
RR	Stormwater Performance Standard-Runoff R	0.50	NO	2.41			0.99	26.63	2.41	4,337.25	26.63	2.41	4,337.25
ST	Stormwater Performance Standard-Stormwa	0.50	NO	1.90			1.28	13.78	1.70	3,382.60	13.78	1.70	3,382.60

RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.74			0.91	20.27	1.85	3,215.58	20.27	1.85	3,215.58
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.39			0.97	17.42	1.60	2,657.13	17.42	1.60	2,657.13
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.21			0.18	2.83	0.26	419.59	2.83	0.26	419.59
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.16			0.30	11.89	1.07	2,014.97	11.89	1.07	2,014.97
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.33			0.09	3.42	0.31	578.46	3.42	0.31	578.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.39	0.03	65.48	0.39	0.03	65.48
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.20			0.05	2.05	0.18	349.56	2.05	0.18	349.56
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.50	0.05	83.86	0.50	0.05	83.86
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.42			0.10	4.23	0.38	722.50	4.23	0.38	722.50
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.26			0.07	2.66	0.24	448.26	2.66	0.24	448.26
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.32	0.03	51.92	0.32	0.03	51.92
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.59	0.05	100.83	0.59	0.05	100.83
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	49.08	0.29	0.03	49.08
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	39.47	0.23	0.02	39.47
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.26	0.02	43.60	0.26	0.02	43.60
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.27	0.02	45.81	0.27	0.02	45.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.36	0.03	59.53	0.36	0.03	59.53
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.52	0.05	88.26	0.52	0.05	88.26
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	34.96	0.21	0.02	34.96
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.19	0.02	31.89	0.19	0.02	31.89
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.04			0.01	0.61	0.05	101.72	0.61	0.05	101.72
ST	Stormwater Performance Standard-Stormwa	1.00	NO	10.90			25.74	182.14	23.50	35,510.71	182.14	23.50	35,510.71
ST	Stormwater Performance Standard-Stormwa	0.50	NO	25.51			29.28	222.59	28.01	50,119.59	222.59	28.01	50,119.59
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.47			0.26	5.51	0.50	865.57	5.51	0.50	865.57
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.50			0.26	5.78	0.53	918.66	5.78	0.53	918.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.55			0.13	5.54	0.50	943.55	5.54	0.50	943.55
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.52			0.19	5.63	0.51	927.63	5.63	0.51	927.63
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.31			0.11	3.31	0.30	549.03	3.31	0.30	549.03
ST	Stormwater Performance Standard-Stormwa	0.50	NO	1.61			1.07	11.62	1.44	2,859.38	11.62	1.44	2,859.38
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.18			1.42	9.16	0.91	881.92	9.16	0.91	881.92
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.13	0.01	16.35	0.13	0.01	16.35
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.11			0.09	1.93	0.18	289.90	1.93	0.18	289.90
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.39	0.04	65.89	0.39	0.04	65.89
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.31	0.03	52.44	0.31	0.03	52.44
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.30	0.03	51.36	0.30	0.03	51.36
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	39.01	0.23	0.02	39.01
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.43	0.04	73.08	0.43	0.04	73.08
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	38.85	0.24	0.02	38.85
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	55.33	0.33	0.03	55.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.17	0.02	29.29	0.17	0.02	29.29
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	32.43	0.20	0.02	32.43
RR	Stormwater Performance Standard-Runoff R	0.87	NO	0.02			0.01	0.33	0.03	53.70	0.33	0.03	53.70
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.58	0.20	0.02	33.58
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.93	0.20	0.02	33.93
ST	Stormwater Performance Standard-Stormwa	0.50	NO	7.59			3.48	49.99	6.12	12,881.68	49.99	6.12	12,881.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.55	0.05	93.41	0.55	0.05	93.41
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.56			0.63	17.13	1.55	2,795.88	17.13	1.55	2,795.88
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.43	0.04	70.65	0.43	0.04	70.65
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	39.19	0.24	0.02	39.19
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	36.97	0.22	0.02	36.97
RR	Stormwater Performance Standard-Runoff R	0.50	NO	3.09			1.28	34.15	3.09	5,554.22	34.15	3.09	5,554.22
ST	Stormwater Performance Standard-Stormwa	0.50	NO	6.89			4.96	50.98	6.32	12,394.50	50.98	6.32	12,394.50
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.14	0.01	23.88	0.14	0.01	23.88
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	58.51	0.35	0.03	58.51
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.45	0.04	73.08	0.45	0.04	73.08
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.42	0.04	71.28	0.42	0.04	71.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.41	0.04	68.08	0.41	0.04	68.08
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	46.57	0.29	0.03	46.57
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.27	0.02	45.17	0.27	0.02	45.17
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.27	0.02	44.88	0.27	0.02	44.88
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.36	0.03	59.66	0.36	0.03	59.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.23			0.07	2.42	0.22	401.93	2.42	0.22	401.93
ST	Stormwater Performance Standard-Stormwa	0.96	NO	3.21			5.12	42.91	5.46	9,072.84	42.91	5.46	9,072.84
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.09			0.02	0.88	0.08	149.30	0.88	0.08	149.30
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.26	0.02	43.08	0.26	0.02	43.08

RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.48			0.34	6.05	0.56	919.05	6.05	0.56	919.05
RR	Stormwater Performance Standard-Runoff R	0.50	NO	2.67			1.65	32.47	2.97	5,038.15	32.47	2.97	5,038.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.55			0.78	17.89	1.63	2,849.69	17.89	1.63	2,849.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	41.71	0.25	0.02	41.71
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	34.76	0.21	0.02	34.76
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.27	0.02	44.77	0.27	0.02	44.77
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.30	0.03	50.07	0.30	0.03	50.07
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	36.09	0.23	0.02	36.09
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	47.78	0.29	0.03	47.78
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	54.01	0.33	0.03	54.01
RR	Stormwater Performance Standard-Runoff R	0.88	NO	0.03			0.01	0.36	0.03	58.54	0.36	0.03	58.54
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	42.36	0.25	0.02	42.36
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	36.74	0.22	0.02	36.74
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	41.17	0.25	0.02	41.17
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	40.85	0.24	0.02	40.85
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	35.82	0.22	0.02	35.82
RR	Stormwater Performance Standard-Runoff R	0.88	NO	0.02			0.01	0.35	0.03	57.15	0.35	0.03	57.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	37.20	0.23	0.02	37.20
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	56.15	0.34	0.03	56.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.90	0.20	0.02	33.90
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.19	0.02	30.39	0.19	0.02	30.39
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	34.73	0.21	0.02	34.73
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	34.75	0.21	0.02	34.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.43	0.04	69.36	0.43	0.04	69.36
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.40	0.04	67.26	0.40	0.04	67.26
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.03			0.01	0.37	0.03	62.85	0.37	0.03	62.85
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.01	0.28	0.03	46.87	0.28	0.03	46.87
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.03			0.01	0.37	0.03	63.08	0.37	0.03	63.08
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.00	0.22	0.02	36.93	0.22	0.02	36.93
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.03			0.01	0.39	0.03	65.84	0.39	0.03	65.84
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.01	0.29	0.03	49.75	0.29	0.03	49.75
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.01	0.25	0.02	42.14	0.25	0.02	42.14
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.00	0.24	0.02	40.83	0.24	0.02	40.83
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.01	0.29	0.03	48.58	0.29	0.03	48.58
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.01	0.31	0.03	51.99	0.31	0.03	51.99
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.01	0.30	0.03	50.29	0.30	0.03	50.29
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	39.04	0.23	0.02	39.04
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	35.63	0.21	0.02	35.63
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	39.26	0.23	0.02	39.26
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.19	0.02	31.66	0.19	0.02	31.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.41			0.79	7.80	0.74	989.70	7.80	0.74	989.70
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.79			0.65	10.43	0.96	1,550.36	10.43	0.96	1,550.36
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.36			0.10	3.75	0.34	632.92	3.75	0.34	632.92
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.83			0.22	8.52	0.76	1,441.70	8.52	0.76	1,441.70
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.34			0.11	4.86	0.44	810.72	4.86	0.44	810.72
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.52			0.14	5.32	0.48	898.10	5.32	0.48	898.10
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.70			0.94	11.23	1.05	1,535.82	11.23	1.05	1,535.82
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.89			0.70	11.61	1.07	1,741.50	11.61	1.07	1,741.50
ST	Stormwater Performance Standard-Stormwa	0.50	NO	4.36			7.22	44.90	5.72	9,420.62	44.90	5.72	9,420.62
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.18	0.02	30.15	0.18	0.02	30.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.18	0.02	29.74	0.18	0.02	29.74
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.26	0.02	44.09	0.26	0.02	44.09
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	40.83	0.25	0.02	40.83
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	36.86	0.22	0.02	36.86
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	37.55	0.22	0.02	37.55
ST	Stormwater Performance Standard-Stormwa	1.50	NO	12.79			29.07	227.31	29.29	44,679.72	227.31	29.29	44,679.72
ST	Stormwater Performance Standard-Stormwa	1.26	NO	9.21			14.88	132.38	16.86	27,915.93	132.38	16.86	27,915.93
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	35.61	0.22	0.02	35.61
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.43	0.04	73.73	0.43	0.04	73.73
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	40.86	0.24	0.02	40.86
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.64	0.06	107.58	0.64	0.06	107.58
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.65	0.06	109.88	0.65	0.06	109.88
RR	Stormwater Performance Standard-Runoff R	0.88	NO	0.02			0.01	0.33	0.03	55.68	0.33	0.03	55.68
ST	Stormwater Performance Standard-Stormwa	1.35	NO	2.92			7.66	55.59	7.20	10,601.38	55.59	7.20	10,601.38
RR	Stormwater Performance Standard-Runoff R	1.50	NO	3.86			10.69	132.16	12.75	15,619.15	132.16	12.75	15,619.15

RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	55.46	0.34	0.03	55.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.02	0.39	0.04	61.19	0.39	0.04	61.19
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.38	0.03	66.05	0.38	0.03	66.05
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.36	0.03	60.99	0.36	0.03	60.99
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	55.53	0.33	0.03	55.53
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.13			0.03	1.30	0.12	221.57	1.30	0.12	221.57
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.13			0.30	11.57	1.04	1,960.39	11.57	1.04	1,960.39
ST	Stormwater Performance Standard-Stormwa	0.50	NO	1.68			0.50	10.20	1.24	2,739.77	10.20	1.24	2,739.77
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.59			0.37	7.15	0.65	1,105.91	7.15	0.65	1,105.91
ST	Stormwater Performance Standard-Stormwa	1.57	NO	0.83			1.66	13.84	1.78	2,792.51	13.84	1.78	2,792.51
ST	Stormwater Performance Standard-Stormwa	0.50	NO	15.12			38.27	196.87	25.46	37,830.50	196.87	25.46	37,830.50
ST	Stormwater Performance Standard-Stormwa	0.50	NO	4.08			9.17	49.55	6.38	9,762.69	49.55	6.38	9,762.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.51	0.05	84.70	0.51	0.05	84.70
ST	Stormwater Performance Standard-Stormwa	0.50	NO	2.29			4.08	24.48	3.13	5,057.96	24.48	3.13	5,057.96
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.38	0.03	63.09	0.38	0.03	63.09
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.26	0.02	42.89	0.26	0.02	42.89
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	38.87	0.23	0.02	38.87
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.27	0.02	44.34	0.27	0.02	44.34
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	34.43	0.21	0.02	34.43
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.16	0.01	27.41	0.16	0.01	27.41
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.16	0.01	25.81	0.16	0.01	25.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.15	0.01	25.36	0.15	0.01	25.36
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.16	0.01	27.04	0.16	0.01	27.04
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	35.09	0.21	0.02	35.09
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.16	0.01	27.46	0.16	0.01	27.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.16	0.01	25.72	0.16	0.01	25.72
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.16	0.01	26.84	0.16	0.01	26.84
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.16	0.01	25.55	0.16	0.01	25.55
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	39.68	0.23	0.02	39.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	40.00	0.24	0.02	40.00
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.01	0.30	0.03	50.57	0.30	0.03	50.57
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.01	0.31	0.03	52.25	0.31	0.03	52.25
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.02			0.01	0.28	0.03	46.45	0.28	0.03	46.45
RR	Stormwater Performance Standard-Runoff R	0.71	NO	3.22			4.42	61.72	5.81	8,407.38	61.72	5.81	8,407.38
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.51			0.33	6.31	0.58	973.30	6.31	0.58	973.30
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.14	0.01	23.09	0.14	0.01	23.09
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.13	0.01	21.18	0.13	0.01	21.18
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.17			0.21	2.61	0.24	359.36	2.61	0.24	359.36
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.31	0.03	52.07	0.31	0.03	52.07
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.31			0.89	7.48	0.72	876.24	7.48	0.72	876.24
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.23			0.27	3.46	0.32	482.35	3.46	0.32	482.35
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.72			1.91	16.56	1.59	1,967.15	16.56	1.59	1,967.15
ST	Stormwater Performance Standard-Stormwa	0.50	NO	2.02			4.27	23.66	3.04	4,720.78	23.66	3.04	4,720.78
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.90	0.20	0.02	33.90
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.19	0.02	32.30	0.19	0.02	32.30
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	35.28	0.21	0.02	35.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	36.73	0.22	0.02	36.73
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.08	0.77	0.07	94.94	0.77	0.07	94.94
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	35.53	0.22	0.02	35.53
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	36.26	0.22	0.02	36.26
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.09	0.68	0.07	72.68	0.68	0.07	72.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	54.60	0.33	0.03	54.60
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	35.75	0.22	0.02	35.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.02	0.81	0.07	137.07	0.81	0.07	137.07
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.21			0.15	2.61	0.24	398.00	2.61	0.24	398.00
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.54			0.16	5.69	0.51	953.61	5.69	0.51	953.61
ST	Stormwater Performance Standard-Stormwa	0.49	NO	3.79			2.42	26.83	3.31	6,636.55	26.83	3.31	6,636.55
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.17			0.45	12.82	1.16	2,100.07	12.82	1.16	2,100.07
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.60	0.05	99.64	0.60	0.05	99.64
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.55	0.05	92.57	0.55	0.05	92.57
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.03	0.91	0.08	150.37	0.91	0.08	150.37
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.18			0.05	1.86	0.17	312.45	1.86	0.17	312.45
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	42.10	0.25	0.02	42.10
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	34.59	0.21	0.02	34.59
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.52			1.42	12.16	1.17	1,434.35	12.16	1.17	1,434.35

RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.79			3.39	33.91	3.22	4,326.25	33.91	3.22	4,326.25
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.59			2.77	28.83	2.73	3,741.29	28.83	2.73	3,741.29
RR	Stormwater Performance Standard-Runoff R	2.60	NO	2.45			6.48	85.74	8.19	10,203.21	85.74	8.19	10,203.21
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.07			0.02	0.67	0.06	113.05	0.67	0.06	113.05
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.41	0.04	68.82	0.41	0.04	68.82
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.51	0.05	83.59	0.51	0.05	83.59
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.52	0.05	86.57	0.52	0.05	86.57
RR	Stormwater Performance Standard-Runoff R	0.88	NO	0.03			0.01	0.37	0.03	61.10	0.37	0.03	61.10
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.52	0.05	87.23	0.52	0.05	87.23
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.40	0.04	66.46	0.40	0.04	66.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.63	0.06	106.86	0.63	0.06	106.86
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.49	0.04	82.49	0.49	0.04	82.49
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.55	0.05	92.70	0.55	0.05	92.70
ST	Stormwater Performance Standard-Stormwa	1.56	NO	1.33			2.48	21.32	2.73	4,371.11	21.32	2.73	4,371.11
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.51	0.05	85.44	0.51	0.05	85.44
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.18	0.02	31.29	0.18	0.02	31.29
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.14	0.01	24.19	0.14	0.01	24.19
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.40	0.04	66.69	0.40	0.04	66.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.53	0.05	88.44	0.53	0.05	88.44
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	46.37	0.29	0.03	46.37
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.53	0.05	85.74	0.53	0.05	85.74
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.43	0.04	73.28	0.43	0.04	73.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	40.60	0.24	0.02	40.60
ST	Stormwater Performance Standard-Stormwa	1.15	NO	2.47			4.63	37.57	4.81	7,685.90	37.57	4.81	7,685.90
ST	Stormwater Performance Standard-Stormwa	0.77	NO	12.52			24.49	172.52	22.11	34,986.94	172.52	22.11	34,986.94
ST	Stormwater Performance Standard-Stormwa	2.60	NO	1.80			3.09	28.53	3.66	5,958.31	28.53	3.66	5,958.31
ST	Stormwater Performance Standard-Stormwa	1.44	NO	1.09			3.89	25.60	3.35	4,579.77	25.60	3.35	4,579.77
RR	Stormwater Performance Standard-Runoff R	1.70	NO	2.15			3.29	53.87	5.09	7,196.62	53.87	5.09	7,196.62
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.12			0.14	1.82	0.17	253.98	1.82	0.17	253.98
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.28	0.02	46.80	0.28	0.02	46.80
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.15	0.20	0.02	33.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.89	0.20	0.02	33.89
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.12			0.09	1.55	0.14	232.00	1.55	0.14	232.00
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.16			0.14	2.13	0.20	315.07	2.13	0.20	315.07
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	39.56	0.24	0.02	39.56
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.29	0.03	45.68	0.29	0.03	45.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	40.01	0.24	0.02	40.01
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	39.96	0.24	0.02	39.96
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	40.50	0.24	0.02	40.50
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	49.06	0.29	0.03	49.06
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.33	2.16	0.21	210.37	2.16	0.21	210.37
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.37	0.03	60.73	0.37	0.03	60.73
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.22			0.06	2.29	0.21	388.62	2.29	0.21	388.62
RR	Stormwater Performance Standard-Runoff R	0.50	NO	2.92			1.60	34.39	3.14	5,419.81	34.39	3.14	5,419.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.52	0.05	89.30	0.52	0.05	89.30
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.02	0.23	0.02	29.57	0.23	0.02	29.57
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.04	0.66	0.06	100.51	0.66	0.06	100.51
RR	Stormwater Performance Standard-Runoff R	0.71	NO	0.88			0.54	12.63	1.16	1,964.11	12.63	1.16	1,964.11
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.84			0.46	9.93	0.91	1,562.83	9.93	0.91	1,562.83
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.46			0.13	4.77	0.43	806.37	4.77	0.43	806.37
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.66			0.72	18.51	1.68	2,998.18	18.51	1.68	2,998.18
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.14			0.10	1.81	0.17	274.17	1.81	0.17	274.17
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.71			0.22	7.47	0.67	1,249.12	7.47	0.67	1,249.12
ST	Stormwater Performance Standard-Stormwa	0.50	NO	3.19			7.20	38.82	5.00	7,639.98	38.82	5.00	7,639.98
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.40	0.04	66.29	0.40	0.04	66.29
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.49	0.04	80.15	0.49	0.04	80.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.38	0.03	64.03	0.38	0.03	64.03
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.07			1.47	17.30	1.63	2,350.23	17.30	1.63	2,350.23
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.11			0.04	1.21	0.11	199.90	1.21	0.11	199.90
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.64	0.06	107.74	0.64	0.06	107.74
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.49	0.04	82.19	0.49	0.04	82.19
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	35.97	0.22	0.02	35.97
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.01	0.58	0.05	98.78	0.58	0.05	98.78
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.09			0.02	0.89	0.08	151.32	0.89	0.08	151.32
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.28	0.03	46.70	0.28	0.03	46.70

RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.04			0.01	0.56	0.05	94.89	0.56	0.05	94.89
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.09			0.02	0.94	0.08	159.99	0.94	0.08	159.99
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.00			0.01	0.06	0.01	5.02	0.06	0.01	5.02
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.32	0.03	54.00	0.32	0.03	54.00
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.02	0.84	0.08	143.20	0.84	0.08	143.20
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	35.73	0.23	0.02	35.73
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.32	0.03	53.33	0.32	0.03	53.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.42	0.04	71.25	0.42	0.04	71.25
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.11			0.03	1.12	0.10	189.28	1.12	0.10	189.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.07			0.02	0.74	0.07	126.72	0.74	0.07	126.72
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.03	0.87	0.08	144.46	0.87	0.08	144.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.59	0.05	97.35	0.59	0.05	97.35
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.43	0.04	70.27	0.43	0.04	70.27
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.70			1.30	13.12	1.25	1,678.83	13.12	1.25	1,678.83
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	42.30	0.25	0.02	42.30
RR	Stormwater Performance Standard-Runoff R	0.50	NO	15.78			10.80	197.28	18.11	30,176.00	197.28	18.11	30,176.00
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.58	0.05	96.15	0.58	0.05	96.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.07			0.03	0.74	0.07	118.93	0.74	0.07	118.93
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.32			0.09	3.28	0.29	554.35	3.28	0.29	554.35
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.30			0.09	3.12	0.28	521.99	3.12	0.28	521.99
ST	Stormwater Performance Standard-Stormwa	1.00	NO	19.07			13.05	185.85	23.00	45,512.04	185.85	23.00	45,512.04
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.09			0.02	0.94	0.08	159.98	0.94	0.08	159.98
ST	Stormwater Performance Standard-Stormwa	1.19	NO	0.37			0.80	6.17	0.79	1,227.97	6.17	0.79	1,227.97
ST	Stormwater Performance Standard-Stormwa	0.31	NO	3.66			5.09	25.53	3.23	5,543.99	25.53	3.23	5,543.99
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.63	0.06	107.29	0.63	0.06	107.29
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.07			0.02	0.68	0.06	115.41	0.68	0.06	115.41
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.07			0.03	0.72	0.06	117.11	0.72	0.06	117.11
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.38	0.03	63.15	0.38	0.03	63.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	36.83	0.23	0.02	36.83
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	37.89	0.23	0.02	37.89
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	31.51	0.20	0.02	31.51
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.09			0.03	0.97	0.09	163.51	0.97	0.09	163.51
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.24			0.18	3.06	0.28	458.89	3.06	0.28	458.89
RR	Stormwater Performance Standard-Runoff R	0.34	NO	0.20			0.22	2.29	0.21	325.35	2.29	0.21	325.35
RR	Stormwater Performance Standard-Runoff R	0.22	NO	0.29			0.29	2.31	0.22	333.52	2.31	0.22	333.52
RR	Stormwater Performance Standard-Runoff R	0.33	NO	0.38			0.66	5.21	0.49	675.75	5.21	0.49	675.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.15			0.45	3.77	0.36	438.13	3.77	0.36	438.13
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.04			1.20	15.55	1.45	2,183.93	15.55	1.45	2,183.93
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.33			0.31	4.55	0.42	661.17	4.55	0.42	661.17
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.41			1.27	10.38	1.00	1,193.28	10.38	1.00	1,193.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	2.07			1.99	28.91	2.68	4,190.58	28.91	2.68	4,190.58
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.20			0.76	5.84	0.57	645.10	5.84	0.57	645.10
RR	Stormwater Performance Standard-Runoff R	0.50	NO	8.54			4.16	97.84	8.90	15,636.90	97.84	8.90	15,636.90
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.72			6.44	40.67	4.03	3,850.11	40.67	4.03	3,850.11
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.84			0.30	9.03	0.82	1,491.93	9.03	0.82	1,491.93
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.77			0.24	8.09	0.73	1,351.02	8.09	0.73	1,351.02
ST	Stormwater Performance Standard-Stormwa	1.00	NO	20.85			26.19	252.70	31.89	55,952.51	252.70	31.89	55,952.51
ST	Stormwater Performance Standard-Stormwa	0.50	NO	8.77			4.05	57.80	7.08	14,884.35	57.80	7.08	14,884.35
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.02			0.43	11.35	1.03	1,843.52	11.35	1.03	1,843.52
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.33			0.41	5.09	0.48	705.38	5.09	0.48	705.38
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.16			0.04	1.66	0.15	282.05	1.66	0.15	282.05
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.38			0.09	3.90	0.35	663.31	3.90	0.35	663.31
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.21			0.07	2.25	0.20	376.02	2.25	0.20	376.02
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.57	0.05	93.57	0.57	0.05	93.57
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.09			0.03	0.96	0.09	158.24	0.96	0.09	158.24
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.59	0.05	99.51	0.59	0.05	99.51
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.43	0.04	72.17	0.43	0.04	72.17
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.65	0.06	104.68	0.65	0.06	104.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.32	0.03	54.53	0.32	0.03	54.53
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.30	0.03	48.86	0.30	0.03	48.86
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.01	0.56	0.05	94.71	0.56	0.05	94.71
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	55.75	0.33	0.03	55.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.27	0.02	44.97	0.27	0.02	44.97
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	32.97	0.20	0.02	32.97
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.45	0.04	69.57	0.45	0.04	69.57

RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.03	0.44	0.04	62.28	0.44	0.04	62.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	58.05	0.35	0.03	58.05
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.24			0.30	3.72	0.35	517.79	3.72	0.35	517.79
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.23			0.30	12.47	1.12	2,126.24	12.47	1.12	2,126.24
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.20			0.08	2.16	0.20	352.03	2.16	0.20	352.03
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	47.31	0.29	0.03	47.31
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	54.29	0.34	0.03	54.29
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	56.46	0.34	0.03	56.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.32	0.03	51.83	0.32	0.03	51.83
ST	Stormwater Performance Standard-Stormwa	0.50	NO	2.39			5.47	29.32	3.78	5,754.75	29.32	3.78	5,754.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.03	0.62	0.06	99.68	0.62	0.06	99.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.12			0.04	1.31	0.12	215.66	1.31	0.12	215.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.09	0.01	15.67	0.09	0.01	15.67
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	34.38	0.20	0.02	34.38
ST	Stormwater Performance Standard-Stormwa	0.70	NO	0.28			0.60	3.92	0.50	781.06	3.92	0.50	781.06
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.11			0.43	12.07	1.09	1,978.96	12.07	1.09	1,978.96
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.68			1.38	22.25	2.05	3,311.02	22.25	2.05	3,311.02
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	56.33	0.35	0.03	56.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.32	0.03	50.83	0.32	0.03	50.83
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	36.02	0.23	0.02	36.02
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	40.75	0.25	0.02	40.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.39	0.03	63.65	0.39	0.03	63.65
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	56.10	0.35	0.03	56.10
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.38	0.03	62.00	0.38	0.03	62.00
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	58.60	0.35	0.03	58.60
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.56	0.05	94.14	0.56	0.05	94.14
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.02	0.86	0.08	146.68	0.86	0.08	146.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	37.78	0.23	0.02	37.78
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.26	0.02	43.38	0.26	0.02	43.38
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.26	0.02	44.01	0.26	0.02	44.01
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.02	0.26	0.02	38.66	0.26	0.02	38.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.55	0.05	86.88	0.55	0.05	86.88
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	35.11	0.21	0.02	35.11
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.17	0.02	28.09	0.17	0.02	28.09
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	41.01	0.25	0.02	41.01
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.17	0.02	27.49	0.17	0.02	27.49
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.17	0.02	27.82	0.17	0.02	27.82
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.17	0.02	28.09	0.17	0.02	28.09
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	35.71	0.21	0.02	35.71
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	34.04	0.20	0.02	34.04
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.47	0.04	75.15	0.47	0.04	75.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.18	0.02	29.43	0.18	0.02	29.43
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.44	0.20	0.02	33.44
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	32.64	0.20	0.02	32.64
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	37.52	0.22	0.02	37.52
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.17	0.01	27.68	0.17	0.01	27.68
ST	Stormwater Performance Standard-Stormwa	0.50	NO	4.89			7.40	48.19	6.12	10,295.75	48.19	6.12	10,295.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.16			0.04	1.60	0.14	270.28	1.60	0.14	270.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.27	0.02	44.78	0.27	0.02	44.78
ST	Stormwater Performance Standard-Stormwa	0.50	NO	7.53			5.66	56.46	7.01	13,641.53	56.46	7.01	13,641.53
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.18	0.02	30.28	0.18	0.02	30.28
ST	Stormwater Performance Standard-Stormwa	0.50	NO	1.11			0.24	6.48	0.78	1,781.31	6.48	0.78	1,781.31
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.27			0.07	2.78	0.25	473.99	2.78	0.25	473.99
RR	Stormwater Performance Standard-Runoff R	0.50	NO	4.59			1.18	46.93	4.21	7,962.84	46.93	4.21	7,962.84
ST	Stormwater Performance Standard-Stormwa	0.86	NO	15.98			6.58	131.64	16.07	34,308.59	131.64	16.07	34,308.59
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.93	0.20	0.02	33.93
ST	Stormwater Performance Standard-Stormwa	0.50	NO	5.16			7.78	50.83	6.46	10,868.47	50.83	6.46	10,868.47
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	57.82	0.34	0.03	57.82
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.01	0.18	0.02	27.46	0.18	0.02	27.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.23	0.02	38.00	0.23	0.02	38.00
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.31	0.03	50.94	0.31	0.03	50.94
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.42	0.04	67.37	0.42	0.04	67.37
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.20			0.51	13.38	1.21	2,169.62	13.38	1.21	2,169.62
ST	Stormwater Performance Standard-Stormwa	0.50	NO	64.88			65.52	538.35	67.45	123,998.98	538.35	67.45	123,998.98
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.39	0.04	66.39	0.39	0.04	66.39

RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.46	0.04	77.56	0.46	0.04	77.56
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.36	0.03	61.78	0.36	0.03	61.78
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.29			0.13	3.24	0.29	522.68	3.24	0.29	522.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.67	0.06	112.18	0.67	0.06	112.18
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.46	0.04	76.73	0.46	0.04	76.73
ST	Stormwater Performance Standard-Stormwa	0.50	NO	3.66			10.06	50.14	6.50	9,470.77	50.14	6.50	9,470.77
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.43	0.04	71.22	0.43	0.04	71.22
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	49.71	0.29	0.03	49.71
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.18	0.02	28.70	0.18	0.02	28.70
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.55	0.05	92.33	0.55	0.05	92.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.67	0.06	110.63	0.67	0.06	110.63
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.31			0.09	3.22	0.29	540.63	3.22	0.29	540.63
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.38	0.03	62.57	0.38	0.03	62.57
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	59.00	0.35	0.03	59.00
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	57.48	0.34	0.03	57.48
ST	Stormwater Performance Standard-Stormwa	0.50	NO	0.96			0.91	7.78	0.97	1,813.47	7.78	0.97	1,813.47
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.11			0.03	1.17	0.10	196.36	1.17	0.10	196.36
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.41	0.04	66.94	0.41	0.04	66.94
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.16			0.04	1.58	0.14	270.44	1.58	0.14	270.44
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.40			0.08	4.00	0.36	688.68	4.00	0.36	688.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.40			0.08	4.00	0.36	688.68	4.00	0.36	688.68
ST	Stormwater Performance Standard-Stormwa	0.50	NO	5.30			2.24	34.30	4.19	8,913.68	34.30	4.19	8,913.68
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.89			0.21	9.05	0.81	1,543.10	9.05	0.81	1,543.10
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.82			0.24	8.54	0.77	1,432.35	8.54	0.77	1,432.35
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.25			1.49	18.99	1.78	2,652.85	18.99	1.78	2,652.85
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	32.82	0.20	0.02	32.82
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	35.53	0.21	0.02	35.53
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.09			0.03	0.91	0.08	152.96	0.91	0.08	152.96
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	56.48	0.33	0.03	56.48
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.34	0.03	56.57	0.34	0.03	56.57
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.33	0.03	54.16	0.33	0.03	54.16
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.10			0.02	1.00	0.09	172.07	1.00	0.09	172.07
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.19	0.02	28.83	0.19	0.02	28.83
RR	Stormwater Performance Standard-Runoff R	0.92	NO	0.01			0.01	0.20	0.02	32.24	0.20	0.02	32.24
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.30	0.03	49.05	0.30	0.03	49.05
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.39	0.04	65.79	0.39	0.04	65.79
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.01			0.00	0.13	0.01	21.59	0.13	0.01	21.59
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.31	0.03	51.15	0.31	0.03	51.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.02	0.81	0.07	138.14	0.81	0.07	138.14
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.03	0.54	0.05	84.58	0.54	0.05	84.58
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.61	0.05	102.12	0.61	0.05	102.12
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.42	0.04	66.16	0.42	0.04	66.16
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.64	0.06	106.50	0.64	0.06	106.50
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	49.90	0.29	0.03	49.90
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	40.15	0.24	0.02	40.15
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.61	0.05	102.66	0.61	0.05	102.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.94			0.76	12.39	1.14	1,849.87	12.39	1.14	1,849.87
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.03	0.46	0.04	66.28	0.46	0.04	66.28
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.60	0.05	99.33	0.60	0.05	99.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.81			1.37	14.46	1.37	1,883.03	14.46	1.37	1,883.03
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	34.16	0.21	0.02	34.16
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.01	0.57	0.05	95.77	0.57	0.05	95.77
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.10			0.03	1.09	0.10	182.83	1.09	0.10	182.83
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.26	0.02	43.36	0.26	0.02	43.36
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.26	0.02	43.46	0.26	0.02	43.46
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	42.78	0.25	0.02	42.78
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.25	0.02	41.33	0.25	0.02	41.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	37.19	0.22	0.02	37.19
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	39.96	0.24	0.02	39.96
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	59.82	0.35	0.03	59.82
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.19	0.02	31.49	0.19	0.02	31.49
RR	Stormwater Performance Standard-Runoff R	0.89	NO	0.02			0.00	0.23	0.02	38.73	0.23	0.02	38.73
ST	Stormwater Performance Standard-Stormwa	0.93	NO	3.61			8.03	56.96	7.33	11,243.95	56.96	7.33	11,243.95
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.07			0.04	0.79	0.07	124.70	0.79	0.07	124.70
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.53	0.05	85.69	0.53	0.05	85.69

RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	37.75	0.24	0.02	37.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.21	0.02	34.56	0.21	0.02	34.56
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.20	0.02	33.41	0.20	0.02	33.41
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.31	0.03	50.97	0.31	0.03	50.97
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.32	0.03	53.49	0.32	0.03	53.49
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.49	0.04	80.16	0.49	0.04	80.16
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	36.03	0.22	0.02	36.03
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.18			0.11	2.17	0.20	334.50	2.17	0.20	334.50
ST	Stormwater Performance Standard-Stormwa	0.50	NO	8.30			14.85	88.96	11.37	18,376.44	88.96	11.37	18,376.44
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.51			1.72	22.55	2.11	3,177.31	22.55	2.11	3,177.31
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.98			1.08	14.43	1.35	2,043.14	14.43	1.35	2,043.14
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.70			1.04	11.79	1.11	1,579.72	11.79	1.11	1,579.72
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.48			0.32	5.92	0.54	908.25	5.92	0.54	908.25
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.94			0.97	13.46	1.25	1,929.20	13.46	1.25	1,929.20
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.51			0.14	5.23	0.47	883.88	5.23	0.47	883.88
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.42	0.04	65.95	0.42	0.04	65.95
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.02	0.41	0.04	63.66	0.41	0.04	63.66
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.90			0.26	9.32	0.84	1,568.30	9.32	0.84	1,568.30
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.52			0.15	5.42	0.49	913.63	5.42	0.49	913.63
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.01	0.59	0.05	101.51	0.59	0.05	101.51
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.55			0.15	5.62	0.50	949.69	5.62	0.50	949.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	1.84			0.81	20.64	1.87	3,337.21	20.64	1.87	3,337.21
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.31			0.09	3.21	0.29	540.36	3.21	0.29	540.36
ST	Stormwater Performance Standard-Stormwa	0.50	NO	1.78			1.15	12.76	1.58	3,152.56	12.76	1.58	3,152.56
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.08			0.02	0.81	0.07	136.17	0.81	0.07	136.17
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.67	0.06	110.70	0.67	0.06	110.70
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.10			0.02	1.00	0.09	169.58	1.00	0.09	169.58
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.44	0.04	69.76	0.44	0.04	69.76
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.03	0.68	0.06	110.67	0.68	0.06	110.67
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.02	0.60	0.05	99.67	0.60	0.05	99.67
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.05			0.02	0.50	0.05	82.81	0.50	0.05	82.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.35	0.03	57.86	0.35	0.03	57.86
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.16	0.01	27.33	0.16	0.01	27.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.42	0.04	71.09	0.42	0.04	71.09
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.02	0.44	0.04	68.69	0.44	0.04	68.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.39	0.03	64.86	0.39	0.03	64.86
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.43	0.04	71.75	0.43	0.04	71.75
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	48.33	0.29	0.03	48.33
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.49			0.13	5.02	0.45	848.19	5.02	0.45	848.19
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.22	0.02	37.62	0.22	0.02	37.62
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.11			0.06	1.29	0.12	203.63	1.29	0.12	203.63
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.11			0.03	1.11	0.10	184.81	1.11	0.10	184.81
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.06			0.01	0.59	0.05	99.77	0.59	0.05	99.77
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.30	0.03	50.32	0.30	0.03	50.32
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.24	0.02	40.37	0.24	0.02	40.37
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	49.12	0.29	0.03	49.12
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.02	0.32	0.03	49.57	0.32	0.03	49.57
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.29	0.03	47.69	0.29	0.03	47.69
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.01	0.28	0.03	44.57	0.28	0.03	44.57
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.02			0.00	0.17	0.02	29.03	0.17	0.02	29.03
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.45			0.12	4.66	0.42	786.49	4.66	0.42	786.49
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.16			0.06	1.73	0.16	281.21	1.73	0.16	281.21
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.03			0.01	0.28	0.03	46.32	0.28	0.03	46.32
RR	Stormwater Performance Standard-Runoff R	0.50	NO	0.04			0.01	0.40	0.04	66.05	0.40	0.04	66.05
ST	Stormwater Performance Standard-Stormwa	0.50	NO	0.51			0.97	5.64	0.72	1,149.31	5.64	0.72	1,149.31
Total				698.57	-	-	931.56	8,370.38	964.97	1,589,342.53	8,370.38	964.97	1,589,342.53

3. PERMIT LOAD

Year Issued:	2022
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SUMMARY

Total EOS Load Reduction (lbs/yr)			Total EOT Load Reduction (lbs/yr)		
TN	TP	TSS	TN	TP	TSS
7,977.44	1,271.75	2,366,028.56	7,977.44	1,271.75	2,366,028.56

SEPTIC BMPs

Populate blue cells below with proposed septic BMP information. *Please note that addition of septic loads is OPTIONAL.*

BMP Short Name	BMP Description	# of Systems	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
			TN	TP	TSS	TN	TP	TSS
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
Total		-	-	-	-	-	-	-

ALTERNATIVE BMPs

Populate blue cells below with proposed alternative BMP information. It is recommended that Shoreline Managment and Stream Restoration load reductions be entered manually, however, default planning rates are available for planning purposes. Please use the protocol methods outlined in the expert panels approved by CBP to determine load reductions outside of this tool.

SHORELINE MANAGEMENT

Type	Total Feet	EOT Load Reduction (lbs/yr)		
		TN	TP	TSS
Total	-	-	-	-

STREAM RESTORATION

Default?	Total Feet	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
		TN	TP	TSS	TN	TP	TSS
Manual Input	3,642.00	1,683.20	166.70	113,700.00	1,683.20	166.70	113,700.00
Manual Input	1,056.00	696.00	321.00	610,000.00	696.00	321.00	610,000.00
Default Planning	440.00	33.00	29.92	109,120.00	33.00	29.92	109,120.00
Default Planning	250.00	18.75	17.00	62,000.00	18.75	17.00	62,000.00
Manual Input	199.73	189.76	87.39	166,454.50	189.76	87.39	166,454.50
Manual Input	427.00	158.78	32.08	283,869.20	158.78	32.08	283,869.20
Total	6,014.73	2,779.49	654.09	1,345,143.70	2,779.49	654.09	1,345,143.70

STREET SWEEPING

BMP Short Name	BMP Description	Lane Miles	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
			TN	TP	TSS	TN	TP	TSS
SCP3	Advanced Sweeping Technology - 1 pass/2 weeks	93.71	45.27	10.39	39,528.42	45.27	10.39	39,528.42
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
Total		93.71	45.27	10.39	39,528.42	45.27	10.39	39,528.42

STORM DRAIN CLEANING

User must indicate whether using default enrichment factors. If yes, leave TN and TP input cells blank.

Material	Nutrient Enrichment Factor			lbs	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
	Defaults?	TN	TP		TN	TP	TSS	TN	TP	TSS
Inorganic	Yes			69,131.89	130.66	29.04	48,392.32	130.66	29.04	48,392.32
Organic	Yes			69,131.89	153.47	16.59	13,826.38	153.47	16.59	13,826.38
Total				138,263.77	284.13	45.63	62,218.70	284.13	45.63	62,218.70

URBAN NUTRIENT MANAGEMENT

User must indicate whether or not the Fertilizer Act applies to the practice. In general, the Fertilizer Act applies to all practices implemented after 2014.

BMP Short Name	BMP Description	Fertilizer Act?	Treated Turf (acres)	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
				TN	TP	TSS	TN	TP	TSS
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
Total				-	-	-	-	-	-

LAND USE CONVERSION BMPS

Populate blue cells below with land use conversion information. Only approved MDE BMPS will be accepted.

Land Use Conversion		Acres	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
Converting from	Converting to		TN	TP	TSS	TN	TP	TSS
Turf	Tree Canopy over Turf	2.66	7.53	0.65	114.77	7.53	0.65	114.77
Aggregate Impervious	Forest	0.04	0.67	0.05	102.74	0.67	0.05	102.74
Aggregate Impervious	Tree Canopy over Turf	0.11	1.23	0.08	252.93	1.23	0.08	252.93
			-	-	-	-	-	-
			-	-	-	-	-	-
Total		2.81	9.42	0.78	470.44	9.42	0.78	470.44

STORMWATER MANAGEMENT BMPS

Populate blue cells below with stormwater management BMP information. Enter Aggregate Impervious information OR Impervious Road and Impervious NonRoad information, but not both. Cells will be grayed out based on specific or non-specific land use selection. For RR/ST BMPS, users have two options: 1) Input applicable BMPS by type and use the BMP efficiency to determine the load reduction or 2) designate the BMP as an RR or ST practice and use the Pe treated to determine the load reduction. User must designate if a Floating Treatment Wetland is present.

BMP Short Name	BMP Description	Pe, if applicable	Floating Treatment Wetland?	Treated (acres)				EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
				Aggregate Impervious	Impervious Road	Impervious NonRoad	Turf	TN	TP	TSS	TN	TP	TSS
RR	Stormwater Performance Standard-Runoff R	0.55	NO	0.06			0.24	1.86	0.18	202.03	1.86	0.18	202.03
ST	Stormwater Performance Standard-Stormwa	1.20	NO	1.87			3.02	26.59	3.39	5,606.22	26.59	3.39	5,606.22
ST	Stormwater Performance Standard-Stormwa	0.13	NO	18.11			26.19	62.29	7.90	13,432.91	62.29	7.90	13,432.91
RR	Stormwater Performance Standard-Runoff R	1.56	NO	1.27			2.30	34.19	3.25	4,413.60	34.19	3.25	4,413.60
ST	Stormwater Performance Standard-Stormwa	0.42	NO	3.50			7.69	37.80	4.87	7,482.56	37.80	4.87	7,482.56
RR	Stormwater Performance Standard-Runoff R	0.93	NO	9.62			17.21	230.86	21.96	29,881.19	230.86	21.96	29,881.19
RR	Stormwater Performance Standard-Runoff R	0.67	NO	3.84			6.29	78.10	7.39	10,272.81	78.10	7.39	10,272.81
ST	Stormwater Performance Standard-Stormwa	0.85	NO	2.73			7.35	46.98	6.09	8,911.46	46.98	6.09	8,911.46
ST	Stormwater Performance Standard-Stormwa	1.19	NO	0.38			0.80	6.18	0.79	1,231.10	6.18	0.79	1,231.10
RR	Stormwater Performance Standard-Runoff R	0.60	NO	3.11			6.46	68.20	6.51	8,542.37	68.20	6.51	8,542.37
RR	Stormwater Performance Standard-Runoff R	0.99	NO	0.16			0.04	2.17	0.20	368.67	2.17	0.20	368.67
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.20			0.07	2.81	0.25	467.34	2.81	0.25	467.34
RR	Stormwater Performance Standard-Runoff R	2.48	NO	0.13			0.04	1.96	0.18	332.31	1.96	0.18	332.31
ST	Stormwater Performance Standard-Stormwa	0.76	NO	2.94			5.12	37.94	4.84	7,878.43	37.94	4.84	7,878.43
ST	Stormwater Performance Standard-Stormwa	0.27	NO	9.73			20.35	75.03	9.64	15,012.34	75.03	9.64	15,012.34
ST	Stormwater Performance Standard-Stormwa	2.71	NO	0.81			1.76	14.73	1.90	2,933.09	14.73	1.90	2,933.09
RR	Stormwater Performance Standard-Runoff R	0.42	NO	1.40			2.65	23.88	2.27	3,041.70	23.88	2.27	3,041.70
ST	Stormwater Performance Standard-Stormwa	1.15	NO	2.52			4.67	38.09	4.87	7,810.42	38.09	4.87	7,810.42
ST	Stormwater Performance Standard-Stormwa	0.38	NO	0.69			0.47	4.23	0.52	1,038.81	4.23	0.52	1,038.81
RR	Stormwater Performance Standard-Runoff R	1.40	NO	1.07			3.80	42.67	4.15	4,786.54	42.67	4.15	4,786.54
ST	Stormwater Performance Standard-Stormwa	0.78	NO	8.99			14.10	111.28	14.15	23,608.42	111.28	14.15	23,608.42
RR	Stormwater Performance Standard-Runoff R	1.21	NO	5.65			8.48	132.84	12.56	17,819.28	132.84	12.56	17,819.28
ST	Stormwater Performance Standard-Stormwa	0.81	NO	6.26			6.37	65.17	8.17	14,987.99	65.17	8.17	14,987.99
RR	Stormwater Performance Standard-Runoff R	2.60	NO	3.72			10.51	135.68	12.99	15,925.27	135.68	12.99	15,925.27
RR	Stormwater Performance Standard-Runoff R	0.50	NO	5.65			18.04	146.12	14.13	16,703.19	146.12	14.13	16,703.19

ST	Stormwater Performance Standard-Stormwa	1.99	NO	7.76			19.80	151.75	19.65	29,123.18	151.75	19.65	29,123.18
RR	Stormwater Performance Standard-Runoff R	1.11	NO	4.31			8.16	111.82	10.66	14,313.95	111.82	10.66	14,313.95
RR	Stormwater Performance Standard-Runoff R	0.96	NO	2.49			2.34	45.48	4.23	6,643.48	45.48	4.23	6,643.48
ST	Stormwater Performance Standard-Stormwa	1.00	NO	9.65			22.14	158.60	20.44	31,114.32	158.60	20.44	31,114.32
RR	Stormwater Performance Standard-Runoff R	2.50	NO	2.42			6.52	84.88	8.15	10,093.35	84.88	8.15	10,093.35
ST	Stormwater Performance Standard-Stormwa	2.14	NO	10.95			24.41	198.13	25.55	39,137.74	198.13	25.55	39,137.74
ST	Stormwater Performance Standard-Stormwa	2.60	NO	0.00			0.08	0.39	0.05	54.57	0.39	0.05	54.57
ST	Stormwater Performance Standard-Stormwa	1.72	NO	1.15			5.58	34.41	4.54	5,790.82	34.41	4.54	5,790.82
RR	Stormwater Performance Standard-Runoff R	0.65	NO	0.44			0.09	5.02	0.45	864.43	5.02	0.45	864.43
RR	Stormwater Performance Standard-Runoff R	1.36	NO	0.60			0.28	9.63	0.88	1,552.52	9.63	0.88	1,552.52
RR	Stormwater Performance Standard-Runoff R	0.66	NO	0.40			0.10	4.73	0.42	802.19	4.73	0.42	802.19
RR	Stormwater Performance Standard-Runoff R	2.08	NO	0.90			0.19	13.35	1.20	2,307.59	13.35	1.20	2,307.59
RR	Stormwater Performance Standard-Runoff R	1.21	NO	0.55			0.32	9.17	0.84	1,442.45	9.17	0.84	1,442.45
RR	Stormwater Performance Standard-Runoff R	1.50	NO	1.00			0.21	14.44	1.29	2,490.41	14.44	1.29	2,490.41
RR	Stormwater Performance Standard-Runoff R	3.00	NO	0.03			0.01	0.44	0.04	72.51	0.44	0.04	72.51
ST	Stormwater Performance Standard-Stormwa	1.28	NO	17.41			46.35	331.20	42.90	62,967.75	331.20	42.90	62,967.75
ST	Stormwater Performance Standard-Stormwa	1.36	NO	0.67			1.40	11.13	1.43	2,224.03	11.13	1.43	2,224.03
ST	Stormwater Performance Standard-Stormwa	1.84	NO	8.97			14.59	136.35	17.38	28,723.31	136.35	17.38	28,723.31
RR	Stormwater Performance Standard-Runoff R	1.00	NO	5.78			11.35	148.89	14.21	18,912.40	148.89	14.21	18,912.40
ST	Stormwater Performance Standard-Stormwa	2.34	NO	5.06			3.27	54.37	6.73	13,442.10	54.37	6.73	13,442.10
RR	Stormwater Performance Standard-Runoff R	2.60	NO	8.34			12.09	210.92	19.74	28,406.13	210.92	19.74	28,406.13
RR	Stormwater Performance Standard-Runoff R	1.01	NO	3.13			3.30	60.44	5.65	8,660.85	60.44	5.65	8,660.85
ST	Stormwater Performance Standard-Stormwa	1.00	NO	2.28			1.35	21.37	2.63	5,338.72	21.37	2.63	5,338.72
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.22			0.40	5.46	0.52	702.07	5.46	0.52	702.07
ST	Stormwater Performance Standard-Stormwa	2.60	NO	93.67			51.30	972.40	120.07	246,026.36	972.40	120.07	246,026.36
ST	Stormwater Performance Standard-Stormwa	1.00	NO	10.54			25.26	177.73	22.94	34,547.35	177.73	22.94	34,547.35
ST	Stormwater Performance Standard-Stormwa	2.60	NO	2.41			4.12	38.15	4.89	7,974.32	38.15	4.89	7,974.32
ST	Stormwater Performance Standard-Stormwa	2.60	NO	6.86			10.93	104.89	13.41	22,240.45	104.89	13.41	22,240.45
ST	Stormwater Performance Standard-Stormwa	2.60	NO	19.31			7.31	185.14	22.65	48,801.77	185.14	22.65	48,801.77
ST	Stormwater Performance Standard-Stormwa	0.70	NO	4.58			6.86	53.07	6.74	11,360.17	53.07	6.74	11,360.17
RR	Stormwater Performance Standard-Runoff R	0.97	NO	3.02			6.01	77.72	7.42	9,845.97	77.72	7.42	9,845.97
Total				329.27	-	-	470.14	4,859.13	560.86	918,667.31	4,859.13	560.86	918,667.31

4. CURRENT PROGRESS

Current Year:	2023
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SUMMARY

Total EOS Load Reduction (lbs/yr)			Total EOT Load Reduction (lbs/yr)		
TN	TP	TSS	TN	TP	TSS
8,601.32	1,365.91	2,568,668.33	8,601.32	1,365.91	2,568,668.33

SEPTIC BMPs

Populate blue cells below with proposed septic BMP information. *Please note that addition of septic loads is OPTIONAL.*

BMP Short Name	BMP Description	# of Systems	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
			TN	TP	TSS	TN	TP	TSS
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
Total		-	-	-	-	-	-	-

ALTERNATIVE BMPs

Populate blue cells below with proposed alternative BMP information. It is recommended that Shoreline Managment and Stream Restoration load reductions be entered manually, however, default planning rates are available for planning purposes.
Please use the protocol methods outlined in the expert panels approved by CBP to determine load reductions outside of this tool.

SHORELINE MANAGEMENT

Type	Total Feet	EOT Load Reduction (lbs/yr)		
		TN	TP	TSS
Total	-	-	-	-

STREAM RESTORATION

Default?	Total Feet	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
		TN	TP	TSS	TN	TP	TSS
Manual Input	3,642.00	1,683.20	166.70	113,700.00	1,683.20	166.70	113,700.00
Manual Input	1,056.00	696.00	321.00	610,000.00	696.00	321.00	610,000.00
Default Planning	440.00	33.00	29.92	109,120.00	33.00	29.92	109,120.00
Default Planning	250.00	18.75	17.00	62,000.00	18.75	17.00	62,000.00
Manual Input	199.73	189.76	87.39	166,454.50	189.76	87.39	166,454.50
Manual Input	427.00	158.78	32.08	283,869.20	158.78	32.08	283,869.20
Default Planning	265.00	19.88	18.02	65,720.00	19.88	18.02	65,720.00
Total	6,279.73	2,799.36	672.11	1,410,863.70	2,799.36	672.11	1,410,863.70

STREET SWEEPING

BMP Short Name	BMP Description	Lane Miles	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
			TN	TP	TSS	TN	TP	TSS
SCP3	Advanced Sweeping Technology - 1 pass/2 weeks	93.71	45.27	10.39	39,528.42	45.27	10.39	39,528.42
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
			-	-	-	-	-	-
Total		93.71	45.27	10.39	39,528.42	45.27	10.39	39,528.42

STORM DRAIN CLEANING

User must indicate whether using default enrichment factors. If yes, leave TN and TP input cells blank.

Material	Nutrient Enrichment Factor			lbs	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
	Defaults?	TN	TP		TN	TP	TSS	TN	TP	TSS
Inorganic	Yes			69,131.89	130.66	29.04	48,392.32	130.66	29.04	48,392.32
Organic	Yes			69,131.89	153.47	16.59	13,826.38	153.47	16.59	13,826.38
Total				138,263.77	284.13	45.63	62,218.70	284.13	45.63	62,218.70

URBAN NUTRIENT MANAGEMENT

User must indicate whether or not the Fertilizer Act applies to the practice. In general, the Fertilizer Act applies to all practices implemented after 2014.

BMP Short Name	BMP Description	Fertilizer Act?	Treated Turf (acres)	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
				TN	TP	TSS	TN	TP	TSS
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
Total			-	-	-	-	-	-	-

LAND USE CONVERSION BMPS

Populate blue cells below with land use conversion information. Only approved MDE BMPS will be accepted.

Land Use Conversion		Acres	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
Converting from	Converting to		TN	TP	TSS	TN	TP	TSS
Turf	Tree Canopy over Turf	2.66	7.53	0.65	114.77	7.53	0.65	114.77
Aggregate Impervious	Forest	0.04	0.67	0.05	102.74	0.67	0.05	102.74
Aggregate Impervious	Tree Canopy over Turf	0.11	1.23	0.08	252.93	1.23	0.08	252.93
Aggregate Impervious	Tree Canopy over Turf	0.03	0.32	0.02	66.13	0.32	0.02	66.13
Turf	Forest with Buffer	0.30	4.16	0.40	366.42	4.16	0.40	366.42
Total		3.14	13.90	1.21	902.99	13.90	1.21	902.99

STORMWATER MANAGEMENT BMPS

Populate blue cells below with stormwater management BMP information. Enter Aggregate Impervious information OR Impervious Road and Impervious NonRoad information, but not both. Cells will be grayed out based on specific or non-specific land use selection. For RR/ST BMPS, users have two options: 1) Input applicable BMPS by type and use the BMP efficiency to determine the load reduction or 2) designate the BMP as an RR or ST practice and use the Pe treated to determine the load reduction. User must designate if a Floating Treatment Wetland is present.

BMP Short Name	BMP Description	Pe, if applicable	Floating Treatment Wetland?	Treated (acres)				EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
				Aggregate Impervious	Impervious Road	Impervious NonRoad	Turf	TN	TP	TSS	TN	TP	TSS
RR	Stormwater Performance Standard-Runoff R	0.55	NO	0.06			0.24	1.86	0.18	202.03	1.86	0.18	202.03
ST	Stormwater Performance Standard-Stormwa	1.20	NO	1.87			3.02	26.59	3.39	5,606.22	26.59	3.39	5,606.22
ST	Stormwater Performance Standard-Stormwa	0.13	NO	18.11			26.19	62.29	7.90	13,432.91	62.29	7.90	13,432.91
RR	Stormwater Performance Standard-Runoff R	1.56	NO	1.27			2.30	34.19	3.25	4,413.60	34.19	3.25	4,413.60
ST	Stormwater Performance Standard-Stormwa	0.42	NO	3.50			7.69	37.80	4.87	7,482.56	37.80	4.87	7,482.56
RR	Stormwater Performance Standard-Runoff R	0.93	NO	9.62			17.21	230.86	21.96	29,881.19	230.86	21.96	29,881.19
RR	Stormwater Performance Standard-Runoff R	0.67	NO	3.84			6.29	78.10	7.39	10,272.81	78.10	7.39	10,272.81
ST	Stormwater Performance Standard-Stormwa	0.85	NO	2.73			7.35	46.98	6.09	8,911.46	46.98	6.09	8,911.46
ST	Stormwater Performance Standard-Stormwa	1.19	NO	0.38			0.80	6.18	0.79	1,231.10	6.18	0.79	1,231.10
RR	Stormwater Performance Standard-Runoff R	0.60	NO	3.11			6.46	68.20	6.51	8,542.37	68.20	6.51	8,542.37
RR	Stormwater Performance Standard-Runoff R	0.99	NO	0.16			0.04	2.17	0.20	368.67	2.17	0.20	368.67
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.20			0.07	2.81	0.25	467.34	2.81	0.25	467.34
RR	Stormwater Performance Standard-Runoff R	2.48	NO	0.13			0.04	1.96	0.18	332.31	1.96	0.18	332.31
ST	Stormwater Performance Standard-Stormwa	0.76	NO	2.94			5.12	37.94	4.84	7,878.43	37.94	4.84	7,878.43
ST	Stormwater Performance Standard-Stormwa	0.27	NO	9.73			20.35	75.03	9.64	15,012.34	75.03	9.64	15,012.34
ST	Stormwater Performance Standard-Stormwa	2.71	NO	0.81			1.76	14.73	1.90	2,933.09	14.73	1.90	2,933.09
RR	Stormwater Performance Standard-Runoff R	0.42	NO	1.40			2.65	23.88	2.27	3,041.70	23.88	2.27	3,041.70
ST	Stormwater Performance Standard-Stormwa	1.15	NO	2.52			4.67	38.09	4.87	7,810.42	38.09	4.87	7,810.42
ST	Stormwater Performance Standard-Stormwa	0.38	NO	0.69			0.47	4.23	0.52	1,038.81	4.23	0.52	1,038.81
RR	Stormwater Performance Standard-Runoff R	1.40	NO	1.07			3.80	42.67	4.15	4,786.54	42.67	4.15	4,786.54
ST	Stormwater Performance Standard-Stormwa	0.78	NO	8.99			14.10	111.28	14.15	23,608.42	111.28	14.15	23,608.42
RR	Stormwater Performance Standard-Runoff R	1.21	NO	5.65			8.48	132.84	12.56	17,819.28	132.84	12.56	17,819.28
ST	Stormwater Performance Standard-Stormwa	0.81	NO	6.26			6.37	65.17	8.17	14,987.99	65.17	8.17	14,987.99
RR	Stormwater Performance Standard-Runoff R	2.60	NO	3.72			10.51	135.68	12.99	15,925.27	135.68	12.99	15,925.27
RR	Stormwater Performance Standard-Runoff R	0.50	NO	5.65			18.04	146.12	14.13	16,703.19	146.12	14.13	16,703.19

ST	Stormwater Performance Standard-Stormwa	1.99	NO	7.76			19.80	151.75	19.65	29,123.18	151.75	19.65	29,123.18
RR	Stormwater Performance Standard-Runoff R	1.11	NO	4.31			8.16	111.82	10.66	14,313.95	111.82	10.66	14,313.95
RR	Stormwater Performance Standard-Runoff R	0.96	NO	2.49			2.34	45.48	4.23	6,643.48	45.48	4.23	6,643.48
ST	Stormwater Performance Standard-Stormwa	1.00	NO	9.65			22.14	158.60	20.44	31,114.32	158.60	20.44	31,114.32
RR	Stormwater Performance Standard-Runoff R	2.50	NO	2.42			6.52	84.88	8.15	10,093.35	84.88	8.15	10,093.35
ST	Stormwater Performance Standard-Stormwa	2.14	NO	10.95			24.41	198.13	25.55	39,137.74	198.13	25.55	39,137.74
ST	Stormwater Performance Standard-Stormwa	2.60	NO	0.00			0.08	0.39	0.05	54.57	0.39	0.05	54.57
ST	Stormwater Performance Standard-Stormwa	1.72	NO	1.15			5.58	34.41	4.54	5,790.82	34.41	4.54	5,790.82
RR	Stormwater Performance Standard-Runoff R	0.65	NO	0.44			0.09	5.02	0.45	864.43	5.02	0.45	864.43
RR	Stormwater Performance Standard-Runoff R	1.36	NO	0.60			0.28	9.63	0.88	1,552.52	9.63	0.88	1,552.52
RR	Stormwater Performance Standard-Runoff R	0.66	NO	0.40			0.10	4.73	0.42	802.19	4.73	0.42	802.19
RR	Stormwater Performance Standard-Runoff R	2.08	NO	0.90			0.19	13.35	1.20	2,307.59	13.35	1.20	2,307.59
RR	Stormwater Performance Standard-Runoff R	1.21	NO	0.55			0.32	9.17	0.84	1,442.45	9.17	0.84	1,442.45
RR	Stormwater Performance Standard-Runoff R	1.50	NO	1.00			0.21	14.44	1.29	2,490.41	14.44	1.29	2,490.41
RR	Stormwater Performance Standard-Runoff R	3.00	NO	0.03			0.01	0.44	0.04	72.51	0.44	0.04	72.51
ST	Stormwater Performance Standard-Stormwa	1.28	NO	17.41			46.35	331.20	42.90	62,967.75	331.20	42.90	62,967.75
ST	Stormwater Performance Standard-Stormwa	1.36	NO	0.67			1.40	11.13	1.43	2,224.03	11.13	1.43	2,224.03
ST	Stormwater Performance Standard-Stormwa	1.84	NO	8.97			14.59	136.35	17.38	28,723.31	136.35	17.38	28,723.31
RR	Stormwater Performance Standard-Runoff R	1.00	NO	5.78			11.35	148.89	14.21	18,912.40	148.89	14.21	18,912.40
ST	Stormwater Performance Standard-Stormwa	2.34	NO	5.06			3.27	54.37	6.73	13,442.10	54.37	6.73	13,442.10
RR	Stormwater Performance Standard-Runoff R	2.60	NO	8.34			12.09	210.92	19.74	28,406.13	210.92	19.74	28,406.13
RR	Stormwater Performance Standard-Runoff R	1.01	NO	3.13			3.30	60.44	5.65	8,660.85	60.44	5.65	8,660.85
ST	Stormwater Performance Standard-Stormwa	1.00	NO	2.28			1.35	21.37	2.63	5,338.72	21.37	2.63	5,338.72
RR	Stormwater Performance Standard-Runoff R	1.00	NO	0.22			0.40	5.46	0.52	702.07	5.46	0.52	702.07
ST	Stormwater Performance Standard-Stormwa	2.60	NO	93.67			51.30	972.40	120.07	246,026.36	972.40	120.07	246,026.36
ST	Stormwater Performance Standard-Stormwa	1.00	NO	10.54			25.26	177.73	22.94	34,547.35	177.73	22.94	34,547.35
ST	Stormwater Performance Standard-Stormwa	2.60	NO	2.41			4.12	38.15	4.89	7,974.32	38.15	4.89	7,974.32
ST	Stormwater Performance Standard-Stormwa	2.60	NO	6.86			10.93	104.89	13.41	22,240.45	104.89	13.41	22,240.45
ST	Stormwater Performance Standard-Stormwa	2.60	NO	19.31			7.31	185.14	22.65	48,801.77	185.14	22.65	48,801.77
ST	Stormwater Performance Standard-Stormwa	0.70	NO	4.58			6.86	53.07	6.74	11,360.17	53.07	6.74	11,360.17
RR	Stormwater Performance Standard-Runoff R	0.97	NO	3.02			6.01	77.72	7.42	9,845.97	77.72	7.42	9,845.97
ST	Stormwater Performance Standard-Stormwa	2.60	NO	25.29			29.99	338.38	42.81	75,939.76	338.38	42.81	75,939.76
ST	Stormwater Performance Standard-Stormwa	2.52	NO	6.81			12.72	112.41	14.44	23,068.73	112.41	14.44	23,068.73
ST	Stormwater Performance Standard-Stormwa	1.06	NO	0.18			0.14	1.82	0.23	437.27	1.82	0.23	437.27
ST	Stormwater Performance Standard-Stormwa	3.00	NO	7.30			4.19	83.63	10.38	21,086.22	83.63	10.38	21,086.22
ST	Stormwater Performance Standard-Stormwa	3.00	NO	5.52			3.17	63.29	7.86	15,955.23	63.29	7.86	15,955.23
Total				374.36	-	-	520.35	5,458.66	636.58	1,055,154.52	5,458.66	636.58	1,055,154.52

5. IMPLEMENTATION SCENARIO

SUMMARY

Scenario	BMP type	Total EOS Load Reduction (lbs/yr)			Total EOT Load Reduction (lbs/yr)		
		TN	TP	TSS	TN	TP	TSS
Milestone 1	Septic	-	-	-	-	-	-
	Alternative	25,213.36	3,130.40	8,130,298.36	25,213.36	3,130.40	8,130,298.36
	Land Use Conversion	-	-	-	-	-	-
	Stormwater Management	3,119.68	309.69	454,119.85	3,119.68	309.69	454,119.85
Milestone 2	Septic	-	-	-	-	-	-
	Alternative	-	-	-	-	-	-
	Land Use Conversion	-	-	-	-	-	-
	Stormwater Management	-	-	-	-	-	-
Planned	Septic	-	-	-	-	-	-
	Alternative	1,028.78	932.76	3,401,840.80	1,028.78	932.76	3,401,840.80
	Land Use Conversion	-	-	-	-	-	-
	Stormwater Management	3,151.35	283.37	412,929.53	3,151.35	283.37	412,929.53
Total		32,513.18	4,656.22	12,399,188.54	32,513.18	4,656.22	12,399,188.54

If applicable, define each milestone designation below:

Milestone 1:	
Milestone 2:	
Planned:	

SEPTIC BMPs

Populate blue cells below with proposed septic BMP information. Record each BMP's proposed impementation period by indicating whether it is a Milestone 1, Milestone 2, or Planned BMP. Please note that addition of septic loads is OPTIONAL.

Scenario	BMP Short Name	BMP Description	# of Systems	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
				TN	TP	TSS	TN	TP	TSS
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
Total			-	-	-	-	-	-	-

ALTERNATIVE BMPs

Populate blue cells below with proposed alternative BMP information. It is recommended that Shoreline Managment and Stream Restoration load reductions be entered manually, however, default planning rates are available for planning purposes. Record each BMP's proposed impementation period by indicating whether it is a Milestone 1, Milestone 2, or Planned BMP. Levels of planned annual BMPs should only reflect increases above the Progress Scenario.

SHORELINE MANAGEMENT

Scenario	Type	Total Feet	EOT Load Reduction (lbs/yr)		
			TN	TP	TSS
Total		-	-	-	-

STREAM RESTORATION

Scenario	Type	Total Feet	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
			TN	TP	TSS	TN	TP	TSS
Milestone 1	Manual Input	896.00	5.60	1.40	17,600.00	5.60	1.40	17,600.00
Milestone 1	Manual Input	578.00	532.00	123.00	296,000.00	532.00	123.00	296,000.00
Milestone 1	Manual Input	35.00	5.41	0.90	3,667.66	5.41	0.90	3,667.66
Milestone 1	Manual Input	1,300.00	590.70	54.70	2,044,928.00	590.70	54.70	2,044,928.00
Milestone 1	Manual Input	2,410.00	8,245.00	1,512.50	2,203,742.00	8,245.00	1,512.50	2,203,742.00
Milestone 1	Manual Input	1,525.00	225.90	40.00	135,000.00	225.90	40.00	135,000.00
Milestone 1	Manual Input	3,893.00	973.50	87.40	503,940.00	973.50	87.40	503,940.00
Milestone 1	Default Planning	1,158.00	921.95	87.40	74,303.00	921.95	87.40	74,303.00
Milestone 1	Manual Input	639.00	161.70	23.80	86,640.00	161.70	23.80	86,640.00
Milestone 1	Manual Input	1,024.00	59.40	13.80	70,200.00	59.40	13.80	70,200.00
Milestone 1	Manual Input	6,608.00	1,250.30	89.00	1,071,800.00	1,250.30	89.00	1,071,800.00
Milestone 1	Manual Input	3,124.00	1,171.00	171.30	245,240.00	1,171.00	171.30	245,240.00
Milestone 1	Manual Input	944.00	230.20	22.10	91,230.00	230.20	22.10	91,230.00
Milestone 1	Manual Input	392.00	11.40	3.00	6,710.00	11.40	3.00	6,710.00
Milestone 1	Manual Input	2,173.00	683.50	48.60	20,880.00	683.50	48.60	20,880.00
Milestone 1	Manual Input	1,735.00	366.80	17.00	7,140.00	366.80	17.00	7,140.00
Milestone 1	Manual Input	516.00	222.80	26.00	71,770.00	222.80	26.00	71,770.00
Milestone 1	Manual Input	633.00	155.90	17.70	123,430.00	155.90	17.70	123,430.00
Milestone 1	Manual Input	499.00	51.60	5.60	33,070.00	51.60	5.60	33,070.00
Milestone 1	Manual Input	1,893.00	112.90	26.70	356,068.70	112.90	26.70	356,068.70
Milestone 1	Default Planning	95.00	16.80	2.50	23,863.00	16.80	2.50	23,863.00
Milestone 1	Manual Input	12,293.00	9,219.00	756.00	643,076.00	9,219.00	756.00	643,076.00

						-	-	-
Planned	Default Planning	5,400.00	405.00	367.20	1,339,200.00	405.00	367.20	1,339,200.00
Planned	Default Planning	2,100.00	157.50	142.80	520,800.00	157.50	142.80	520,800.00
Planned	Default Planning	3,400.00	255.00	231.20	843,200.00	255.00	231.20	843,200.00
Planned	Default Planning	1,956.90	146.77	133.07	485,311.20	146.77	133.07	485,311.20
Planned	Default Planning	860.20	64.52	58.49	213,329.60	64.52	58.49	213,329.60
Total		58,080.10	26,242.14	4,063.16	11,532,139.16	26,242.14	4,063.16	11,532,139.16

STREET SWEEPING

Scenario	BMP Short Name	BMP Description	Lane Miles	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
				TN	TP	TSS	TN	TP	TSS
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
Total			-	-	-	-	-	-	-

STORM DRAIN CLEANING

User must indicate whether using default enrichment factors. If yes, leave TN and TP input cells blank.

Scenario	Material	Nutrient Enrichment Factor			lbs	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
		Defaults?	TN	TP		TN	TP	TSS	TN	TP	TSS
						-	-	-	-	-	-
						-	-	-	-	-	-
						-	-	-	-	-	-
						-	-	-	-	-	-
Total					-	-	-	-	-	-	-

URBAN NUTRIENT MANAGEMENT

User must indicate whether or not the Fertilizer Act applies to the practice. In general, the Fertilizer Act applies to all practices implemented after 2014.

Scenario	BMP Short Name	BMP Description	Fertilizer Act?	Treated Turf (acres)	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
					TN	TP	TSS	TN	TP	TSS
					-	-	-	-	-	-
					-	-	-	-	-	-
					-	-	-	-	-	-
Total				-	-	-	-	-	-	-

LAND USE CONVERSION BMPS

Populate blue cells below with land use conversion information. Record each BMP's proposed impementation period by indicating whether it is a Milestone 1, Milestone 2, or Planned BMP. Only approved MDE BMPs will be accepted.

Scenario	Land Use Conversion		Acres	EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
	Converting from	Converting to		TN	TP	TSS	TN	TP	TSS
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
				-	-	-	-	-	-
Total			-	-	-	-	-	-	-

STORMWATER MANAGEMENT BMPs

Populate blue cells below with stormwater management BMP information. Record each BMP's proposed impementation period by indicating whether it is a Milestone 1, Milestone 2, or Planned BMP. Cells will be grayed out based on specific or non-specific land use selection. For RR/ST BMPs, users have two options: 1) Input applicable BMPs by type and use the BMP efficiency to determine the load reduction or 2) designate the BMP as an RR or ST practice and use the Pe treated to determine the load reduction. User must designate if a Floating Treatment Wetland is

Scenario	BMP Short Name	BMP Description	Pe, if applicable	Floating Treatment Wetland?	Aggregate Impervious	Treated (acres)			EOS Load Reduction (lbs/yr)			EOT Load Reduction (lbs/yr)		
						Impervious Road	Impervious NonRoad	Turf	TN	TP	TSS	TN	TP	TSS
Milestone 1	RR	Stormwater Performance Standard-Runoff R	0.07	NO	21.15			41.31	77.12	7.59	10,114.32	77.12	7.59	10,114.32
Milestone 1	ST	Stormwater Performance Standard-Stormwa	3.00	NO	4.69			2.03	50.33	6.20	13,116.92	50.33	6.20	13,116.92
Milestone 1	RR	Stormwater Performance Standard-Runoff R	0.85	NO	3.23			5.82	75.63	7.19	9,771.28	75.63	7.19	9,771.28
Milestone 1	ST	Stormwater Performance Standard-Stormwa	1.09	NO	14.41			15.38	167.06	20.97	38,106.87	167.06	20.97	38,106.87
Milestone 1	RR	Stormwater Performance Standard-Runoff R	1.41	NO	3.24			4.69	77.17	7.28	10,423.53	77.17	7.28	10,423.53
Milestone 1	RR	Stormwater Performance Standard-Runoff R	0.85	NO	7.58			7.16	133.51	12.42	19,479.69	133.51	12.42	19,479.69
Milestone 1	ST	Stormwater Performance Standard-Stormwa	1.06	NO	7.04			12.28	101.15	12.91	21,001.71	101.15	12.91	21,001.71
									-	-	-	-	-	-
Milestone 1	RR	Stormwater Performance Standard-Runoff R	2.22	NO	11.05			21.04	314.08	29.92	40,243.18	314.08	29.92	40,243.18
Milestone 1	ST	Stormwater Performance Standard-Stormwa	2.66	NO	3.02			2.50	35.52	4.44	8,477.86	35.52	4.44	8,477.86
									-	-	-	-	-	-

Milestone 1	RR	Stormwater Performance Standard-Runoff R	0.07	NO	24.13			55.15	96.09	9.51	12,195.23	96.09	9.51	12,195.23
									-	-	-	-	-	-
Milestone 1	ST	Stormwater Performance Standard-Stormwa	0.72	NO	5.81			8.40	66.99	8.50	14,439.42	66.99	8.50	14,439.42
Milestone 1	ST	Stormwater Performance Standard-Stormwa	1.00	NO	6.42			10.85	89.39	11.40	18,678.12	89.39	11.40	18,678.12
Milestone 1	ST	Stormwater Performance Standard-Stormwa	1.00	NO	6.77			13.59	103.16	13.24	20,804.72	103.16	13.24	20,804.72
Milestone 1	RR	Stormwater Performance Standard-Runoff R	3.00	NO	48.44			83.19	1,512.78	137.02	190,285.56	1,512.78	137.02	190,285.56
Milestone 1	RR	Stormwater Performance Standard-Runoff R	1.14	NO	3.26			10.37	115.89	11.24	13,309.15	115.89	11.24	13,309.15
Milestone 1	RR	Stormwater Performance Standard-Runoff R	1.46	NO	4.08			6.71	103.84	9.84	13,672.27	103.84	9.84	13,672.27
Planned	RR	Stormwater Performance Standard-Runoff R	3.00	NO	28.05			38.81	789.40	70.96	103,636.43	789.40	70.96	103,636.43
Planned	RR	Stormwater Performance Standard-Runoff R	3.00	NO	17.68			35.61	600.68	54.71	73,124.30	600.68	54.71	73,124.30
Planned	RR	Stormwater Performance Standard-Runoff R	3.00	NO	26.30			10.67	502.45	43.52	79,212.77	502.45	43.52	79,212.77
Planned	RR	Stormwater Performance Standard-Runoff R	3.00	NO	8.46			22.88	341.39	31.40	39,069.96	341.39	31.40	39,069.96
Planned	RR	Stormwater Performance Standard-Runoff R	3.00	NO	9.50			18.50	316.81	28.82	38,833.28	316.81	28.82	38,833.28
Planned	RR	Stormwater Performance Standard-Runoff R	3.00	NO	6.87			16.23	255.53	23.40	30,086.80	255.53	23.40	30,086.80
Planned	RR	Stormwater Performance Standard-Runoff R	3.00	NO	11.04			7.68	240.50	21.13	35,486.66	240.50	21.13	35,486.66
Planned	RR	Stormwater Performance Standard-Runoff R	3.00	NO	3.56			5.41	104.58	9.43	13,479.34	104.58	9.43	13,479.34
Total					285.77	-	-	456.26	6,271.04	593.06	867,049.38	6,271.04	593.06	867,049.38

Appendix B:

Restoration Projects Auxiliary Data

Table B-1: Stream Restoration Load Reductions - Current Progress

YEAR	ALT BMP ID	BMP ID	ALT BMP TYPE	WATERSHED NAME	WATERSHED 8DGT	SUBWATERSHED NAME	WATERSHED 12DGT	PROJECT DESCRIPTION	EQUIVALENT IMPERVIOUS ACRES	TOTAL FEET	EOS LOAD REDUCTION (LBS/YR)			COST
											TN	TP	TSS	
2020	AA17ALNO00009	BMP0268	Stream Restoration	Baltimore Harbor	02130903	Furnace Creek	021309031008	Furnace Creek Stream Restoration Phase 2	146.1	3,642.00	1,683.20	166.70	113,700.00	\$ 4,382,366.00
2019	AA18ALNO00017	BMP0291	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek - Oakview Village Stream Restoration	322.6	1,056.00	696.00	321.00	610,000.00	\$ 1,679,065.00
2018	AA18ALNO00027	BMP0294	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Oakview Village Southern Tributary	8.8	440.00	33.00	29.92	109,120.00	\$ 4,382,366.00
2015	AA15ALNO00002	BMP0257	Stream Restoration	Patapsco River Lower North Branch	02130906	Stoney Run 4	021309061011	Leeds Road Stream Restoration	5.0	250.00	18.75	17.00	62,000.00	\$ 312,335.00
2021	AA22ALNO00009	BMP0728	Outfall Stabilization	Baltimore Harbor	02130903	Stoney Run 4	021309031006	Mountain Estate Drive SD/SWM Improvements -	23.5	199.73	189.76	87.39	166,454.50	NO DATA
2021	AA21ALNO00009	BMP0746	Stream Restoration	Baltimore Harbor	02130903	Nabbs Creek	021309031006	Brandon Woods / Chestnut Hill Stream Rest	19.5	427.00	158.78	32.08	283,869.20	\$ 349,700.00
2023	AA21ALNO00018	BMP0773	Stream Restoration	Patapsco River L N Br	02130906	Piney Run	021309061013	St. Marks Daylighting Restoration	5.3	265.00	19.88	18.02	65,720.00	\$ 297,542.00
TOTAL										6,279.73	2,799.36	672.11	1,410,863.70	\$ 11,403,374.00

Table B-2: Stream Restoration Load Reductions - Interim Programmed and Planned

Scenario	Year	ALT BMP ID	BMP ID	ALT BMP Type	Watershed Name	Watershed 8DGT	Subwatershed Name	Watershed 12DGT	Project Description	Equivalent Impervious Acres	Total Feet	EOS Load Reduction (lbs/yr)			Cost
												TN	TP	TSS	
Milestone 1	2023	AA22ALN000008	BMP0714	Outfall Stabilization	Baltimore Harbor	02130903	Sawmill Creek 1	021309031009	Sawmill Creek Stream Restoration Phase I Muddy Bridge Branch - Outfall P5	1.04	896.00	5.60	1.40	17,600.00	\$ 68,492.60
Milestone 1	2027	AA21ALN000008	BMP0770	Outfall Stabilization	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek Strm Rstn - N08O0818 Outfall	40.46	578.00	532.00	123.00	296,000.00	\$ 3,012,945.00
Milestone 1	2025	AA21ALN000021	BMP0778	Outfall Stabilization	Baltimore Harbor	02130903	Marley Creek 4	021309031008	Marley Creek - Green Branch Outfall 1	0.39	35.00	5.41	0.90	3,667.66	\$ 60,119.00
Milestone 1	2028	AA19ALN000023	BMP0314	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 4	021309031008	Marley Creek Ruth Park Eason School Stream Rest	299.1	1,300.00	590.70	54.70	2,044,928.00	\$ 4,119,207.00
Milestone 1	2027	AA21ALN000023	BMP0475	Stream Restoration	Baltimore Harbor	02130903	Back Creek	021309031008	PT-Back Creek MS Stream Rest	469.4	2,410.00	8,245.00	1,512.50	2,203,742.00	\$ 5,073,224.00
Milestone 1	2028	AA21ALN000020	BMP0777	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 4	021309031008	Marley Creek - Green Branch Stream Restoration	15.7	1,525.00	225.90	40.00	135,000.00	\$ 2,426,324.00
Milestone 1	2023	AA19ALN000001	BMP0300	Stream Restoration	Baltimore Harbor	02130903	Sawmill Creek 1	021309031009	Sawmill Creek - Ferndale Branch	33.3	3,893.00	973.50	87.40	503,940.00	\$ 3,417,385.39
Milestone 1	2028	AA21ALN000016	BMP0468	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 4	021309031008	Marley Creek Old Mill Branch	33.1	1,158.00	921.95	87.40	74,303.00	\$ 7,597,775.00
Milestone 1	2025	AA19ALN000032	BMP0306	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek Stream Restoration - Trib 2	10.1	639.00	161.70	23.80	86,640.00	\$ 754,353.00
Milestone 1	2023	AA19ALN000003	BMP0298	Stream Restoration	Baltimore Harbor	02130903	Sawmill Creek 1	021309031009	Sawmill Creek - Irving Branch	6.1	1,024.00	59.40	13.80	70,200.00	\$ 399,759.67
Milestone 1	2028	AA19ALN000002	BMP0299	Stream Restoration	Baltimore Harbor	02130903	Sawmill Creek 1	021309031009	Sawmill Creek - Muddy Bridge Branch	80.8	6,608.00	1,250.30	89.00	1,071,800.00	\$ 5,318,713.51
Milestone 1	2028	AA19ALN000030	BMP0304	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek Stream Restoration - Mainstem	57.4	3,124.00	1,171.00	171.30	245,240.00	\$ 4,270,697.00
Milestone 1	2025	AA19ALN000031	BMP0305	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek Stream Restoration - Trib 1	11.3	944.00	230.20	22.10	91,230.00	\$ 843,714.00
Milestone 1	2026	AA19ALN000033	BMP0307	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek Stream Restoration - Trib 3	0.9	392.00	11.40	3.00	6,710.00	\$ 69,999.00
Milestone 1	2026	AA19ALN000034	BMP0308	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek Stream Restoration - Trib 4	20.7	2,173.00	683.50	48.60	20,880.00	\$ 1,543,706.00
Milestone 1	2026	AA19ALN000035	BMP0309	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek Stream Restoration - Trib 5	9.6	1,735.00	366.80	17.00	7,140.00	\$ 714,886.00
Milestone 1	2026	AA19ALN000036	BMP0310	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek Stream Restoration - Trib 6	11	516.00	222.80	26.00	71,770.00	\$ 816,906.00
Milestone 1	2027	AA19ALN000037	BMP0311	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek Stream Restoration - Trib 7	10.6	633.00	155.90	17.70	123,430.00	\$ 791,587.00
Milestone 1	2027	AA19ALN000038	BMP0312	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Marley Creek Stream Restoration - Trib 8	3.2	499.00	51.60	5.60	33,070.00	\$ 235,317.00
Milestone 1	2025	AA18ALN000015	BMP0281	Stream Restoration	Baltimore Harbor	02130903	Stony Creek	021309031006	Sloop Cove Stream Restoration	20.8	1,893.00	112.90	26.70	356,068.70	\$ 1,718,370.00
Milestone 1	2024	AA23ALN000003	BMP0204	Outfall Stabilization	Baltimore Harbor	02130903	Rock Creek	021309031006	Elizabeth Station Outfall Stabilization	1.67	95.00	16.80	2.50	23,863.00	\$ 167,604.00
Milestone 1	2028	AA21ALN000019	BMP0472	Stream Restoration	Patapsco River Lower North Branch	02130906	Unnamed Tributary	021309061012	Patapsco NTDL Unnamed Trib/Maritime Institute	320.7	12,293.00	9,219.00	756.00	643,076.00	\$ 14,473,400.00
Planned	2030	NO DATA	NO DATA	Stream Restoration	Baltimore Harbor	02130903	Marley Creek 1	021309031008	Planned BMP 1: Contiguous reaches - PT800, PT8005, PT8006, PT8007, PT8010	NO DATA	5,400.00	NO DATA	NO DATA	NO DATA	\$ 6,480,000.00
Planned	2030	NO DATA	NO DATA	Stream Restoration	Baltimore Harbor	02130903	Rock Creek	021309031008	Planned BMP 2: Contiguous reaches - PTB04, PTB043, PTB044, PTB046, PTB048	NO DATA	2,100.00	NO DATA	NO DATA	NO DATA	\$ 2,520,000.00
Planned	2030	NO DATA	NO DATA	Stream Restoration	Baltimore Harbor	02130903	Stony Run	021309031008	Planned BMP 3: PT0106	NO DATA	3,400.00	NO DATA	NO DATA	NO DATA	\$ 4,080,000.00
Planned	2030	NO DATA	NO DATA	Stream Restoration	Patapsco River Lower North Branch	02130906	Piney Run	021309061012	Planned BMP 4: PN8030	NO DATA	1,956.90	NO DATA	NO DATA	NO DATA	\$ 2,348,280.00
Planned	2030	NO DATA	NO DATA	Stream Restoration	Patapsco River Lower North Branch	02130906	Stoney Run 4	021309061012	Planned BMP 5: PN9013	NO DATA	860.20	NO DATA	NO DATA	NO DATA	\$ 1,032,240.00
TOTAL											58,080.10	25,213.36	3,130.40	8,130,298.36	\$ 74,355,004.17

NOTES: Planned values were estimated. No date indicates data will be determined during future phases.

Table B-3: Street Sweeping - Current Progress

BMP Short	BMP DESCRIPTION	Lane Miles	EOS LOAD REDUCTION (LBS/YR)			COST
			TN	TP	TSS	
SCP3	Advanced Sweeping Technology - 1 pass/2 weeks	93.71	45.27	10.39	39528.42	\$ 126,705.17
TOTAL						\$ 126,705.17

Table B-4: Storm Drain Cleaning - Current Progress

Material	Nutrient Enrichment Factor	lbs	EOS LOAD REDUCTION (LBS/YR)		COST
	Defaults?		TN	TP	
Inorganic	Yes	69131.89	130.66	29.04	\$ 17,903.22
Organic	Yes	69131.89	153.47	16.59	\$ 17,903.22
TOTAL		138263.77	284.13	45.63	\$ 35,806.44

Table B-5: Land Use Conversion BMPs - Current Progress

YEAR	LAND USE CONVERSION	ALT BMP LINE ID	BMP ID	ALT BMP TYPE	WATERSHED NAME	WATERSHED 8DGT	SUBWATERSHED NAME	WATERSHED 12DGT	PROJECT DESCRIPTION	EQUIVALENT IMPERVIOUS ACRES	LAND COVER CONVERSION ACRES	EOS LOAD REDUCTION (LBS/YR)			
												TN	TP	TSS	COST
2019	Converting from Turf to Tree Canopy over Turf	AA20APY000002	BMP0414	Forestation on Pervious Urban (i.e., Forest Planting)	Baltimore Harbor	02130903	Marley Creek 3	021309031008	Jumpers Hole Road Reforestation	1.00	2.66	7.53	0.65	114.77	\$ 70,000.00
2019	Converting from Aggregate Impervious to Forest	AA20APY000003	BMP0420	Impervious Surface to Forest (i.e., IMPP + FPU)	Baltimore Harbor	02130903	Marley Creek 3	021309031008	8148 Jumpers Hole RD Impervious Surface Removal	0.04	0.04	0.67	0.05	102.74	\$ 14,700.00
2014	Converting from Aggregate Impervious to Tree Canopy over Turf	AA14APY000001	BMP0416	Impervious Surface Reduction (i.e., impervious to pervious)	Baltimore Harbor	02130903	Rock Creek	021309031006	Pekin Road Impervious Surface Removal	0.10	0.11	1.23	0.08	252.93	\$ 189,350.00
2023	Converting from Aggregate Impervious to Tree Canopy over Turf	AA21APY000002	BMP0774	Impervious Surface Reduction (i.e., impervious to pervious)	Patapsco River Lower North Branch	02130906	Piney Run	021309061013	St. Marks Restoration Impervious Removal	0.02	0.03	0.32	0.02	66.13	\$ 1,123.00
2023	Converting from Forest to Buffer	AA21APY000001	BMP0775	Riparian Conservation Landscaping	Patapsco River Lower North Branch	02130906	Piney Run	021309061013	St. Marks Restoration Riparian Landscaping	0.15	0.30	4.16	0.40	366.42	\$ 47,420.00
TOTAL												13.90	1.21	902.99	322,593.00

Table B-6: Stormwater Managemnt BMPs Load Reduc

YEAR	CONVERTED FROM	BMP TYPE	BMP CLASS	REST. BMP ID	BMP ID	BMP DRAINAGE ID	BMP TYPE	WATERSHE D NAME	WATERSHE D 8DGT	SUBWATE RSHED NAME	WATERSHED 12DGT	PROJECT NAME	PROJECT DESCRIPTION	ADDRESS	CITY	ZIP	BMP SHORT NAME	BMP DESCRIPTION	PE	TREATED (ACRES)		IMPERVIOUS AC.	EOS LOAD REDUCTION (LBS/YR)			COST
																				AGGREGATE IMPERVIOUS	TURF		TN	TP	TSS	
2020	Surface Sand Filter	Dry Channel Regenerative Step Pool Stormwater Conveyance System	Structural BMP	AA19RST00 0004	BMP00 03	AA19BDA000003	SPSC	Baltimore Harbor	2130903	Stony Creek	21309031006	Mountain Estate Drive SD*	Mountain Estate Drive SD/SWM Improvements - SPSC	MOUNTAIN ESTATE DR	Pasadena	21122	RR	Stormwater Performance Standard-Runoff Reduction	0.55	0.06	0.24	2.6	1.86	0.18	202.03	\$383,915.00
2015	Dry Pond	Wet Pond - Wetland	Structural BMP	AA14RST00 0106	BMP00 10	AA14BDA500202	PWET	Magothy River	2131001	Bailys Branch	21309031006	Mayfield Rd and Gladnor Rd Pond Retrofit	Mayfield Rd and Gladnor Rd Pond Retrofit	MAYFIELD RD	Pasadena	21122	ST	Stormwater Performance Standard-Stormwater Treatment	1.20	1.87	3.02	2.79	26.59	3.39	5,606.22	\$ 125,876.00
2015	Extended Detention Structure, Dry	Retention Pond (Wet Pond)	Structural BMP	AA16RST00 0017	BMP00 50	AA16BDA000117	PWET	Baltimore Harbor	2130903	Rock Creek	21309031006	8013 Tick Neck Road Pond*	8013 Tick Neck Road Pond Retrofit	EDWIN RAYNOR BLVD	Pasadena	21122	ST	Stormwater Performance Standard-Stormwater Treatment	0.13	18.11	26.19	23.10	62.29	7.90	13,432.91	\$ 315,316.00
2015	Extended Detention Structure, Dry	Infiltration Basin	Structural BMP	AA16RST00 0011	BMP00 57	AA16BDA000129	IBAS	Patapsco River L N Br	2130906	Patapsco Mainstem	21309061012	Jerome Avenue Pond Retro*	Jerome Avenue Pond Retrofit	JEROME AVE	Linthicum Heights	21090	RR	Stormwater Performance Standard-Runoff Reduction	1.56	1.27	2.30	1.50	34.19	3.25	4,413.60	\$ 287,557.00
2015	Extended Detention Structure, Dry	Retention Pond (Wet Pond)	Structural BMP	AA16RST00 0071	BMP00 58	AA16BDA000172	PWET	Baltimore Harbor	2130903	Cabin Branch	21309031008	Sandy Ridge Drive Pond R*	Sandy Ridge Drive Pond Retrofit	SANDY RIDGE DR	Glen Burnie	21061	ST	Stormwater Performance Standard-Stormwater Treatment	0.42	3.50	7.69	4.30	37.80	4.87	7,482.56	\$ 322,362.00
2015	Extended Detention Structure, Dry	Dry Channel Regenerative Step Pool Stormwater Conveyance System	Structural BMP	AA16RST00 0016	BMP00 63	AA16BDA000145	SPSC	Baltimore Harbor	2130903	Marley Creek 4	21309031008	Hospital Drive Pond #3 S*	Hospital Drive Pond #3 SWM Retrofit SPSC	FOXMANOR LN	Glen Burnie	21061	RR	Stormwater Performance Standard-Runoff Reduction	0.93	9.62	17.21	15.80	230.86	21.96	29,881.19	\$ 328,074.00
2017	Extended Detention Structure, Dry	Dry Channel Regenerative Step Pool Stormwater Conveyance System	Structural BMP	AA16RST00 0082	BMP00 64	AA16BDA000191	SPSC	Baltimore Harbor	2130903	Marley Creek 4	21309031008	Hospital Drive Pond 2 Re*	Hospital Drive Pond 2 Retrofit SPSC	FOXCHASE DR	Glen Burnie	21061	RR	Stormwater Performance Standard-Runoff Reduction	0.67	3.84	6.29	5.80	78.10	7.39	10,272.81	\$ 524,579.00
2015	Extended Detention Structure, Dry	Retention Pond (Wet Pond)	Structural BMP	AA16RST00 0014	BMP00 65	AA16BDA000144	PWET	Baltimore Harbor	2130903	Sawmill Creek 1	21309031009	Lochaber Court Pond Retr*	Lochaber Court Pond Retrofit	BROOKHILL TER	Glen Burnie	21061	ST	Stormwater Performance Standard-Stormwater Treatment	0.85	2.73	7.35	3.40	46.98	6.09	8,911.46	\$ 367,340.00
2016	Conversion of Existing BMP	Retention Pond (Wet Pond)	Structural BMP	AA16RST00 0015	BMP00 67	AA16BDA500210	PWET	Little Patuxent River	2131105	Jessup	21311050952	Hilltop Road (Jessup) Retrofit Kellwood Estates	Hilltop Road (Jessup) Retrofit Kellwood Estates	HILLTOP RD	Jessup	20794	ST	Stormwater Performance Standard-Stormwater Treatment	1.19	0.38	0.80	1.56	6.18	0.79	1,231.10	\$ 123,547.00
2015	Wet Extended Detention Pond	Infiltration Basin	Structural BMP	AA16RST00 0020	BMP00 71	AA16BDA000131	IBAS	Patapsco River L N Br	2130906	Stoney Run 4	21309061011	Musical Way Pond Retrofi*	Musical Way Pond Retrofit	MUSICAL WAY	Severn	21144	RR	Stormwater Performance Standard-Runoff Reduction	0.60	3.11	6.46	3.80	68.20	6.51	8,542.37	\$ 210,217.00
2016	New Restoration Project	Rain Gardens	ESD	AA17RST00 0014	BMP00 80	AA17BDA000021	MRNG	Baltimore Harbor	2130903	Marley Creek 1	21309031008	Empowering Believers Chu*	Empowering Believers Church Rain Garden 1	E HOWARD RD	Glen Burnie	21060	RR	Stormwater Performance Standard-Runoff Reduction	0.99	0.16	0.04	0.30	2.17	0.20	368.67	\$ 14,360.00
2016	New Restoration Project	Rain Gardens	ESD	AA17RST00 0013	BMP00 81	AA17BDA000020	MRNG	Baltimore Harbor	2130903	Marley Creek 1	21309031008	Empowering Believers Chu*	Empowering Believers Church Rain Garden 2	E HOWARD RD	Glen Burnie	21060	RR	Stormwater Performance Standard-Runoff Reduction	1.00	0.20	0.07	0.50	2.81	0.25	467.34	\$ 14,360.00
2016	New Restoration Project	Rain Gardens	ESD	AA17RST00 0012	BMP00 82	AA17BDA000019	MRNG	Baltimore Harbor	2130903	Marley Creek 1	21309031008	Empowering Believers Chu*	Empowering Believers Church Rain Garden 6	SPENCER RD	Glen Burnie	21060	RR	Stormwater Performance Standard-Runoff Reduction	2.48	0.13	0.04	0.20	1.96	0.18	332.31	\$ 14,360.00
2015	Extended Detention Structure, Dry	Retention Pond (Wet Pond)	Structural BMP	AA16RST00 0024	BMP00 88	AA16BDA000132	PWET	Patapsco River L N Br	2130906	Stoney Run 4	21309061011	Severn Road / Carriage D*	Severn Road / Carriage Drive Pond Retrofit	CARRIAGE DR	Severn	21144	ST	Stormwater Performance Standard-Stormwater Treatment	0.76	2.94	5.12	4.80	37.94	4.84	7,878.43	\$ 226,548.00

Table B-6: Stormwater Managemnt BMPs Load Reduc

YEAR	CONVERTED FROM	BMP TYPE	BMP CLASS	REST. BMP ID	BMP ID	BMP DRAINAGE ID	BMP TYPE	WATERSHE D NAME	WATERSHE D 8DGT	SUBWATE RSHED NAME	WATERSHED 12DGT	PROJECT NAME	PROJECT DESCRIPTION	ADDRESS	CITY	ZIP	BMP SHORT NAME	BMP DESCRIPTION	PE	TREATED (ACRES)		IMPERVIOUS AC.	EOS LOAD REDUCTION (LBS/YR)			
																				AGGREGATE IMPERVIOUS	TURF		TN	TP	TSS	
2015	Wet Pond	Retention Pond (Wet Pond)	Structural BMP	AA16RST00 0023	BMP00 89	AA16BDA000146	PWET	Baltimore Harbor	2130903	Cabin Branch	21309031008	Music Lane Large Pond Re*	Music Lane Large Pond Retrofit	MUSIC LN	Linthicum Heights	21090	ST	Stormwater Performance Standard-Stormwater Treatment	0.27	9.73	20.35	11.40	75.03	9.64	15,012.34	\$ 393,876.00
2015	Wet Pond	Retention Pond (Wet Pond)	Structural BMP	AA16RST00 0026	BMP00 90	AA16BDA000147	PWET	Baltimore Harbor	2130903	Cabin Branch	21309031008	Music Lane Small Pond Re*	Music Lane Small Pond Retrofit	MUSIC LN	Linthicum Heights	21090	ST	Stormwater Performance Standard-Stormwater Treatment	2.71	0.81	1.76	1.00	14.73	1.90	2,933.09	\$ 157,043.00
2016	Extended Detention Structure, Dry	Dry Channel Regenerative Step Pool Stormwater Conveyance System	Structural BMP	AA16RST00 0034	BMP00 94	AA16BDA000148	SPSC	Baltimore Harbor	2130903	Marley Creek 1	21309031008	Sun Valley Condos Pond R*	Sun Valley Condos Pond Retrofit	CEDARCLIFF DR	Glen Burnie	21060	RR	Stormwater Performance Standard-Runoff Reduction	0.42	1.40	2.65	1.80	23.88	2.27	3,041.70	\$ 111,689.00
2015	Extended Detention Structure, Dry	Retention Pond (Wet Pond)	Structural BMP	AA16RST00 0025	BMP00 95	AA16BDA000130	PWET	Baltimore Harbor	2130903	Sawmill Creek 1	21309031009	McNeil Court Pond Retrof*	McNeil Court Pond Retrofit	HEARTWOOD CT	Glen Burnie	21061	ST	Stormwater Performance Standard-Stormwater Treatment	1.15	2.52	4.67	3.10	38.09	4.87	7,810.42	\$ 371,031.00
2015	Wet Extended Detention Pond	Retention Pond (Wet Pond)	Structural BMP	AA16RST00 0030	BMP00 96	AA16BDA000163	PWET	Patapsco River L N Br	2130906	Patapsco Mainstem	21309061012	806 Central Ave (Linthic*	806 Central Ave (Linthicum) Pond Retrofit	CENTRAL AVE	Linthicum Heights	21090	ST	Stormwater Performance Standard-Stormwater Treatment	0.38	0.69	0.47	1.00	4.23	0.52	1,038.81	\$ 201,415.00
2017	Extended Detention Structure, Dry	Infiltration Basin	Structural BMP	AA16RST00 0068	BMP00 99	AA16BDA500228	IBAS	Baltimore Harbor	2130903	Main Creek	21309021000	Whites Cove Rd Retrofit	Whites Cove Rd Retrofit	ORR CT	Pasadena	21122	RR	Stormwater Performance Standard-Runoff Reduction	1.40	1.07	3.80	6.64	42.67	4.15	4,786.54	\$ 370,778.00
2020	Detention Structure (Dry Pond)	Shallow Marsh	Structural BMP	AA16RST00 0060	BMP01 00	AA16BDA000175	WSHW	Patapsco River L N Br	2130906	Stoney Run 4	21309061011	Gesna Dr Retrofit Harman*	Gesna Dr Retrofit Harmans Woods #2 BMP 803	GESNA DR	Hanover	21076	ST	Stormwater Performance Standard-Stormwater Treatment	0.78	8.99	14.10	11.80	111.28	14.15	23,608.42	\$ 741,412.00
2021	Detention Structure (Dry Pond)	Dry Channel Regenerative Step Pool Stormwater Conveyance System	Structural BMP	AA16RST00 0065	BMP01 01	AA16BDA000153	SPSC	Baltimore Harbor	2130903	Cabin Branch	21309031008	Grafton Garth Ct Retrofi*	Grafton Garth Ct Retrofit Heritage Hills #1 1330	GRAFTON GARTH CT	Glen Burnie	21061	RR	Stormwater Performance Standard-Runoff Reduction	1.21	5.65	8.48	7.10	132.84	12.56	17,819.28	\$ 645,645.00
2021	Detention Structure (Dry Pond)	Sand Filter	Structural BMP	AA16RST00 0063	BMP01 02	AA16BDA000152	FSND	Baltimore Harbor	2130903	Cabin Branch	21309031008	Bricktown Cir Retrofit H*	Bricktown Cir Retrofit Heritage Hills #5	BRICKTOWN CIR	Glen Burnie	21061	ST	Stormwater Performance Standard-Stormwater Treatment	0.81	6.26	6.37	8.00	65.17	8.17	14,987.99	\$ 558,232.00
2017	Detention Structure (Dry Pond)	Infiltration Basin	Structural BMP	AA16RST00 0041	BMP01 21	AA16BDA000151	IBAS	Baltimore Harbor	2130903	Sawmill Crteek 1	21309031009	Chalmers Ave Wistful Vis*	Chalmers Ave Wistful Vista Pond Retrofit	WISTFUL VISTA CT	Glen Burnie	21061	RR	Stormwater Performance Standard-Runoff Reduction	2.60	3.72	10.51	5.30	135.68	12.99	15,925.27	\$ 285,766.00
2017	Detention Structure (Dry Pond)	Dry Channel Regenerative Step Pool Stormwater Conveyance System	Structural BMP	AA17RST00 0050	BMP01 22	AA15BDA000207	SPSC	Baltimore Harbor	2130903	Marley Creek 4	21309031008	Grays Luck SWMP Retrofit*	Grays Luck SWMP Retrofit	EAGLES RIDGE WAY	Glen Burnie	21061	RR	Stormwater Performance Standard-Runoff Reduction	0.50	5.65	18.04	8.40	146.12	14.13	16,703.19	\$ 425,189.00
2016	Detention Structure (Dry Pond)	Extended Detention - Wetland	Structural BMP	AA16RST00 0036	BMP01 24	AA16BDA000149	WEDW	Baltimore Harbor	2130903	Cabin Branch	21309031008	Tulip Oak Court Pond/Out*	Tulip Oak Court Pond/Outfall Retrofit	TULIP OAK CT	Linthicum Heights	21090	ST	Stormwater Performance Standard-Stormwater Treatment	1.99	7.76	19.80	11.30	151.75	19.65	29,123.18	\$ 455,727.00
2017	Detention Structure (Dry Pond)	Infiltration Basin	Structural BMP	AA16RST00 0037	BMP01 25	AA16BDA000150	IBAS	Baltimore Harbor	2130903	Cabin Branch	21309031008	Golden Oak Dr Retrofit	Golden Oak Dr Retrofit	TULIP OAK CT	Linthicum Heights	21090	RR	Stormwater Performance Standard-Runoff Reduction	1.11	4.31	8.16	5.60	111.82	10.66	14,313.95	\$ 471,842.00
2016	Detention Structure (Dry Pond)	Dry Channel Regenerative Step Pool Stormwater Conveyance System	Structural BMP	AA16RST00 0072	BMP01 27	AA16BDA000171	SPSC	Baltimore Harbor	2130903	Back Creek	21309031008	Juneberry Way Pond Retro*	Juneberry Way Pond Retrofit - SPSC Oakleaf Villa	JUNE BERRY WAY	Glen Burnie	21061	RR	Stormwater Performance Standard-Runoff Reduction	0.96	2.49	2.34	3.10	45.48	4.23	6,643.48	\$ 310,117.00

Table B-6: Stormwater Managemnt BMPs Load Reduc

YEAR	CONVERTED FROM	BMP TYPE	BMP CLASS	REST. BMP ID	BMP ID	BMP DRAINAGE ID	BMP TYPE	WATERSHE D NAME	WATERSHE D 8DGT	SUBWATE RSHED NAME	WATERSHED 12DGT	PROJECT NAME	PROJECT DESCRIPTION	ADDRESS	CITY	ZIP	BMP SHORT NAME	BMP DESCRIPTION	PE	TREATED (ACRES)		IMPERVIOUS AC.	EOS LOAD REDUCTION (LBS/YR)			COST
																				AGGREGATE IMPERVIOUS	TURF		TN	TP	TSS	
2013	Wet Extended Detention Pond	Retention Pond (Wet Pond)	Structural BMP	AA17RST00 0035	BMP01 29	AA158DA000231	PWET	Patapsco River L N Br	2130906	Stoney Run 4	21309061011	Peach Orchard SWM Retrof*	Peach Orchard SWM Retrofit	HALEHAVEN CT	Severn	21144	ST	Stormwater Performance Standard-Stormwater Treatment	1.00	9.65	22.14	10.90	158.60	20.44	31,114.32	\$ 324,787.00
2016	Detention Structure (Dry Pond)	Infiltration Basin	Structural BMP	AA16RST00 0045	BMP01 33	AA16BDA000136	IBAS	Baltimore Harbor	2130903	Sawmill Creek 1	21309031009	Baby Baer Court Pond Ret*	Baby Baer Court Pond Retrofit	BABY BAER CT	Glen Burnie	21061	RR	Stormwater Performance Standard-Runoff Reduction	2.50	2.42	6.52	3.20	84.88	8.15	10,093.35	\$ 187,063.00
2019	Detention Structure (Dry Pond)	Wet Pond - Wetland	Structural BMP	AA17RST00 0010	BMP01 39	AA17BDA000016	WPWS	Baltimore Harbor	2130903	Severn Run Trib 5	21309031008	Mill Race Pond Retrofit	Mill Race Pond Retrofit	COG CT	Millersville	21108	ST	Stormwater Performance Standard-Stormwater Treatment	2.14	10.95	24.41	14.50	198.13	25.55	39,137.74	\$ 2,114,518.00
2018	Infiltration Basin	Infiltration Basin	Structural BMP	AA16RST00 0050	BMP01 45	AA16BDA500206	WPWS	Baltimore Harbor	2130903	Back Creek	21309021000	Firefly Run Pond Retrofi*	Firefly Run Pond Retrofit	FIREFLY RUN	Pasadena	21122	ST	Stormwater Performance Standard-Stormwater Treatment	2.60	0.00	0.08	9.21	0.39	0.05	54.57	\$ 396,396.00
2021	Wet Extended Detention Pond	Wet Extended Detention Pond	Structural BMP	AA19RST00 0014	BMP01 49	AA19BDA500204	PWED	Baltimore Harbor	2130903	Muddy Run	21310011005	North Star Drive Pond Re*	North Star Drive Pond Retrofit	BELL TOWER XING	Pasadena	21122	ST	Stormwater Performance Standard-Stormwater Treatment	1.72	1.15	5.58	44.24	34.41	4.54	5,790.82	\$ 1,110,338.30
2017	New Restoration Project	Bio-Swale	ESD	AA16RST00 0075	BMP01 50	AA16BDA000182	MSWB	Patapsco River L N Br	2130906	Stoney Run 3	21309061011	Northrup Grumman Bioswal*	Northrup Grumman Bioswale 1	AMTRAK WAY	Linthicum Heights	21090	RR	Stormwater Performance Standard-Runoff Reduction	0.65	0.44	0.09	0.36	5.02	0.45	864.43	NO DATA
2016	New Restoration Project	Permeable Pavements	ESD	AA16RST00 0078	BMP01 51	AA16BDA000184	APRP	Patapsco River L N Br	2130906	Stoney Run 3	21309061011	Northrup Grumman Perviou*	Northrup Grumman Pervious Pavement 1	AVIATION BLVD	Linthicum Heights	21090	RR	Stormwater Performance Standard-Runoff Reduction	1.36	0.60	0.28	0.80	9.63	0.88	1,552.52	NO DATA
2016	New Restoration Project	Permeable Pavements	ESD	AA16RST00 0081	BMP01 52	AA16BDA000185	APRP	Patapsco River L N Br	2130906	Stoney Run 3	21309061011	Northrup Grumman Perviou*	Northrup Grumman Pervious Pavement 2	AVIATION BLVD	Linthicum Heights	21090	RR	Stormwater Performance Standard-Runoff Reduction	0.66	0.40	0.10	0.50	4.73	0.42	802.19	NO DATA
2016	New Restoration Project	Permeable Pavements	ESD	AA17RST00 0030	BMP01 53	AA17BDA000023	APRP	Patapsco River L N Br	2130906	Stoney Run 3	21309061011	Northrop Grumman ESD Per*	Northrop Grumman ESD Pervious Pavement 3A-1	AVIATION BLVD	Linthicum Heights	21090	RR	Stormwater Performance Standard-Runoff Reduction	2.08	0.90	0.19	1.20	13.35	1.20	2,307.59	NO DATA
2023	New Restoration Project	Permeable Pavements	ESD	AA16RST00 0079	BMP01 54	AA16BDA000183	APRP	Patapsco River L N Br	2130906	Stoney Run 3	21309061011	Northrup Grumman Perviou*	Northrup Grumman Pervious Pavement 3A-2	AVIATION BLVD	Linthicum Heights	21090	RR	Stormwater Performance Standard-Runoff Reduction	1.21	0.55	0.32	1.20	9.17	0.84	1,442.45	NO DATA
2023	New Restoration Project	Permeable Pavements	ESD	AA16RST00 0080	BMP01 55	AA16BDA000187	APRP	Patapsco River L N Br	2130906	Stoney Run 3	21309061011	Northrup Grumman Perviou*	Northrup Grumman Pervious Pavement 3B	AVIATION BLVD	Linthicum Heights	21090	RR	Stormwater Performance Standard-Runoff Reduction	1.50	1.00	0.21	1.20	14.44	1.29	2,490.41	NO DATA
2023	New Restoration Project	Rain Gardens	ESD	AA17RST00 0031	BMP01 56	AA17BDA000024	MRNG	Patapsco River L N Br	2130906	Stoney Run 3	21309061011	Northrop Grumman ESD Rai*	Northrop Grumman ESD Raingarden	AVIATION BLVD	Linthicum Heights	21090	RR	Stormwater Performance Standard-Runoff Reduction	3.00	0.03	0.01	0.00	0.44	0.04	72.51	\$ -
2023	Detention Structure (Dry Pond)	Extended Detention - Wetland	Structural BMP	AA16RST00 0061	BMP01 68	AA16BDA000176	WEDW	Patapsco River L N Br	2130906	Stoney Run 4	21309061011	Tuckerman Dr Retrofit	Tuckerman Dr Retrofit	TUCKERMAN DR	Hanover	21076	ST	Stormwater Performance Standard-Stormwater Treatment	1.28	17.41	46.35	22.20	331.20	42.90	62,967.75	\$ 762,623.00
2018	Extended Detention Structure, Dry	Extended Detention - Wetland	Structural BMP	AA16RST00 0048	BMP01 71	AA16BDA000139	WEDW	Baltimore Harbor	2130903	Stony Creek	21309031006	227TH Street Pond Retrof*	227TH Street Pond Retrofit	MAYER AVE	Pasadena	21122	ST	Stormwater Performance Standard-Stormwater Treatment	1.36	0.67	1.40	4.20	11.13	1.43	2,224.03	\$ 396,280.00

Table B-6: Stormwater Managemnt BMPs Load Reduc

YEAR	CONVERTED FROM	BMP TYPE	BMP CLASS	REST. BMP ID	BMP ID	BMP DRAINAGE ID	BMP TYPE	WATERSHE D NAME	WATERSHE D 8DGT	SUBWATE RSHED NAME	WATERSHED 12DGT	PROJECT NAME	PROJECT DESCRIPTION	ADDRESS	CITY	ZIP	BMP SHORT NAME	BMP DESCRIPTION	PE	TREATED (ACRES)		IMPERVIOUS AC.	EOS LOAD REDUCTION (LBS/YR)			
																				AGGREGATE IMPERVIOUS	TURF		TN	TP	TSS	
2024	Extended Detention Structure, Dry	Extended Detention Structure, Wet	Structural BMP	AA16RST00 0054	BMP01 72	AA16BDA000140	PWED	Baltimore Harbor	2130903	Marley Creek 4	21309031008	Hospital Drive / Foxwell*	Hospital Drive / Foxwell Bend Pond Retrofit 2595	FOXHUNT CIR	Glen Burnie	21061	ST	Stormwater Performance Standard-Stormwater Treatment	1.84	8.97	14.59	11.30	136.35	17.38	28,723.31	\$ 399,659.00
2023	Detention Structure (Dry Pond)	Infiltration Basin	Structural BMP	AA16RST00 0042	BMP01 73	AA16BDA000135	IBAS	Baltimore Harbor	2130903	Stony Creek	21309031006	Redgate Court Pond Retro*	Redgate Court Pond Retrofit Queens Park 838	REDGATE CT	Pasadena	21122	RR	Stormwater Performance Standard-Runoff Reduction	1.00	5.78	11.35	7.80	148.89	14.21	18,912.40	\$ 359,070.00
2017	Wet Extended Detention Pond	Extended Detention Structure, Wet	Structural BMP	AA16RST00 0055	BMP01 74	AA16BDA000141	PWED	Baltimore Harbor	2130903	Marley Creek 3	21309031008	Fox Cub Court Pond Retro*	Fox Cub Court Pond Retrofit	MERRYCHASE CT	Glen Burnie	21061	ST	Stormwater Performance Standard-Stormwater Treatment	2.34	5.06	3.27	6.70	54.37	6.73	13,442.10	\$ 480,151.00
2023	Detention Structure (Dry Pond)	Infiltration Basin	Structural BMP	AA17RST00 0023	BMP01 75	AA17BDA000006	IBAS	Baltimore Harbor	2130903	Sawmill Creek 1	21309031009	Sawmill Hollins Ferry RD*	Sawmill Hollins Ferry RD Pond Retrofit BMP 190	AVIATION BLVD	Glen Burnie	21061	RR	Stormwater Performance Standard-Runoff Reduction	2.60	8.34	12.09	19.40	210.92	19.74	28,406.13	\$ 288,978.00
2022	New Restoration Project	Dry Channel Regenerative Step Pool Stormwater Conveyance System	Structural BMP	AA17RST00 0001	BMP01 76	AA17BDA000001	SPSC	Patapsco River L N Br	2130906	Patapsco Mainstem	21309061012	Riverside Park Stormwate*	Riverside Park Stormwater Management Retrofit	OLD RIVERSIDE RD	Brooklyn	21225	RR	Stormwater Performance Standard-Runoff Reduction	1.01	3.13	3.30	4.80	60.44	5.65	8,660.85	\$ 1,178,803.00
2023	New Restoration Project	Infiltration Trench	Structural BMP	AA17RST00 0002	BMP01 77	AA17BDA000003	ITRN	Patapsco River L N Br	2130906	Patapsco Mainstem	21309061012	Chesapeake Arts Center S*	Chesapeake Arts Center Stormwater Management Retro	HAMMONDS LN	Brooklyn	21225	ST	Stormwater Performance Standard-Stormwater Treatment	1.00	2.28	1.35	2.60	21.37	2.63	5,338.72	\$ 652,419.00
2023	New Restoration Project	Bioretention	Structural BMP	AA18RST00 0028	BMP01 92	AA18BDA000017	FBIO	Baltimore Harbor	2130903	Sawmill Creek 1	21309031009	Sawmill Creek Cromwell E*	Sawmill Creek Cromwell Elementary Bioretention #1	SCANLAN DR	Glen Burnie	21061	RR	Stormwater Performance Standard-Runoff Reduction	1.00	0.22	0.40	3.80	5.46	0.52	702.07	\$ 903,159.00
2023	Wet Pond	Retention Pond (Wet Pond)	Structural BMP	AA18RST00 0010	BMP01 98	AA18BDA000026	PWET	Patapsco River L N Br	2130906	Piney Run	21309061013	Arundel Mills Ltd Partne*	Arundel Mills Ltd Partnership CMAC Pond Retrofit	PANGBOURNE WAY	Hanover	21076	ST	Stormwater Performance Standard-Stormwater Treatment	2.60	93.67	51.30	159.70	972.40	120.07	246,026.36	\$ 736,363.00
2028	Detention Structure (Dry Pond)	Extended Detention Structure, Wet	Structural BMP	AA16RST00 0043	BMP02 29	AA16BDA000138	PWED	Baltimore Harbor	2130903	Cabin Branch	21309031008	Sunnyfield Estates Pond *	Sunnyfield Estates Pond 870 871	SUNNYFIELD LN	Brooklyn	21225	ST	Stormwater Performance Standard-Stormwater Treatment	1.00	10.54	25.26	13.70	177.73	22.94	34,547.35	\$ 596,701.00
2018	Detention Structure (Dry Pond)	Extended Detention Structure, Wet	Structural BMP	AA16RST00 0044	BMP02 31	AA16BDA000137	PWED	Baltimore Harbor	2130903	Furnace Creek	21309031008	Towering Oaks Court Pond*	Towering Oaks Court Pond Retrofit 874	PINE TERRACE RD	Glen Burnie	21061	ST	Stormwater Performance Standard-Stormwater Treatment	2.60	2.41	4.12	3.20	38.15	4.89	7,974.32	\$ 417,136.00
2023	Extended Detention Structure, Dry	Extended Detention Structure, Wet	Structural BMP	AA16RST00 0066	BMP02 32	AA16BDA000178	PWED	Patapsco River L N Br	2130906	Stoney Run 4	21309061011	Ridge Commons Blvd Retro*	Ridge Commons Blvd Retrofit	RIDGE COMMONS BLVD	Hanover	21076	ST	Stormwater Performance Standard-Stormwater Treatment	2.60	6.86	10.93	10.60	104.89	13.41	22,240.45	\$ 424,698.00
2018	Wet Pond	Retention Pond (Wet Pond)	Structural BMP	AA18RST00 0005	BMP02 34	AA18BDA000002	PWET	Patapsco River L N Br	2130906	Piney Run	21309061013	Walmart Arundel Mills Po*	Walmart Arundel Mills Pond Opti Retrofit	SOMERTON CT	Hanover	21076	ST	Stormwater Performance Standard-Stormwater Treatment	2.60	19.31	7.31	26.80	185.14	22.65	48,801.77	\$ 414,420.00
2019	Detention Structure (Dry Pond)	Shallow Marsh	Structural BMP	AA16RST00 0062	BMP02 43	AA16BDA000179	WSHW	Patapsco River L N Br	2130906	Stoney Run 4	21309061011	Fairbanks Dr Retrofit	Fairbanks Dr Retrofit	FAIRBANKS DR	Hanover	21076	ST	Stormwater Performance Standard-Stormwater Treatment	0.70	4.58	6.86	6.30	53.07	6.74	11,360.17	\$ 581,276.00
2019	Detention Structure (Dry Pond)	Infiltration Basin	Structural BMP	AA16RST00 0047	BMP02 44	AA16BDA000134	IBAS	Patapsco River L N Br	2130906	Unnamed Tributary	21309061012	Groveland Road Pond Retr*	Groveland Road Pond Retrofit	GROVELAND RD	Linthicum Heights	21090	RR	Stormwater Performance Standard-Runoff Reduction	0.97	3.02	6.01	3.80	77.72	7.42	9,845.97	\$ 427,956.00
<Null>	Wet Extended Detention Pond	Extended Detention Structure, Wet	Structural BMP	AA19RST00 0010	BMP00 66	AA19BDA000009	PWED	Baltimore Harbor	2130903	Back Creek	21309031008	Cromwell Fountain Pond R*	Cromwell Fountain Pond Repair	CLEAR DROP WAY	Glen Burnie	21060	ST	Stormwater Performance Standard-Stormwater Treatment	2.60	25.29	29.99	32.60	338.38	42.81	75,939.76	\$ 3,923,270.00

Table B-6: Stormwater Managemnt BMPs Load Reduc

YEAR	CONVERTED FROM	BMP TYPE	BMP CLASS	REST. BMP ID	BMP ID	BMP DRAINAGE ID	BMP TYPE	WATERSHE D NAME	WATERSHE D 8DGT	SUBWATE RSHED NAME	WATERSHED 12DGT	PROJECT NAME	PROJECT DESCRIPTION	ADDRESS	CITY	ZIP	BMP SHORT NAME	BMP DESCRIPTION	PE	TREATED (ACRES)		IMPERVIOUS AC.	EOS LOAD REDUCTION (LBS/YR)			COST
																							TN	TP	TSS	
1303	Detention Structure (Dry Pond)	Infiltration Basin	Structural BMP	AA19RST000024	BMP0184	AA19BDA000021	IBAS	Baltimore Harbor	2130903	Rock Creek	21309031006	Turf Valley SWM Pond Ret*	Turf Valley SWM Pond Retrofit	TICK NECK RD	Pasadena	21122	ST	Stormwater Performance Standard-Stormwater Treatment	2.52	6.81	12.72	9.40	112.41	14.44	23,068.73	\$ 1,309,720.00
2023	Detention Structure (Dry Pond)	Wet Extended Detention Pond	Structural BMP	AA19RST000015	BMP0230	AA19BDA000010	PWED	Magothy River	2131001	Magothy Branch 1	21310011005	Walmart Pond Retrofit - *	Walmart Pond Retrofit - Ritchie Hwy	WHITE STAR XING	Pasadena	21122	ST	Stormwater Performance Standard-Stormwater Treatment	1.06	0.18	0.14	14.37	1.82	0.23	437.27	\$ 360,659.16
2023	Wet Pond	Infiltration Basin	Structural BMP	AA23RST000001	BMP0812	AA23BDA000001	IBAS	Baltimore Harbor	2130903	Sawmill Creek 1	21309031009	Sawmill Cromwell BMP – 4017 Pond	Sawmill Cromwell BMP – 4017 Pond	CROMWELL PARK DR	Glen Burnie	21061	ST	Stormwater Performance Standard-Stormwater Treatment	3.00	7.30	4.19	8.88	83.63	10.38	21,086.22	\$ 584,821.40
2023	Wet Extended Detention Pond	Infiltration Basin	Structural BMP	AA23RST000002	BMP0813	AA23BDA000002	IBAS	Baltimore Harbor	2130903	Sawmill Creek 1	21309031009	Cromwell Drive Private Ponds BMP 4020	Cromwell Drive Private Ponds BMP 4020	CROMWELL PARK DR	Glen Burnie	21061	ST	Stormwater Performance Standard-Stormwater Treatment	3.00	5.52	3.17	4.56	63.29	7.86	15,955.23	\$ 300,313.69

Table B-7: Stormwater Managemnt BMPs Load Reductions - - Interim Programmed and Planned

SCENARIO	PROJECTED YEAR	CONVERTED FROM	RESTORATION BMP TYPE	RESTORATION BMP ID	BMP ID	BMP DRAINAGE ID	BMP TYPE	WATERSHED NAME	WATERSHED 8DGT	SUBWATERSHED NAME	WATERSHED 12DGT	BMP SHORT NAME	BMP DESCRIPTION	PE	TREATED (ACRES)		IMPERVIOUS ACRES	EOS LOAD		TSS	COST
															AGGREGATE IMPERVIOUS	TURF		TN	TP		
Milestone 1	2023	Detention Structure (Dry Pond)	Dry Channel Regenerative Step Pool Stormwater Conveyance System	AA23RST000004	BMP0786	AA23BDA000004	SPSC	Patapsco River L N Br	2130906	Stoney Run 4	21309061011	RR	Stormwater Performance Standard-Runoff Reduction	0.07	21.15	41.31	2.13	77.12	7.59	10114.32	\$ 439,966.00
Milestone 1	2023	Structural BMP	Wet Pond	AA23RST000003	BMP0816	AA23BDA000003	PWET	Patapsco River L N Br	2130906	Piney Run	21309061013	ST	Stormwater Performance Standard-Stormwater Treatment	3.00	4.69	2.03	12.89	50.33	6.20	13116.92	\$ 125,000.00
Milestone 1	2023	<Null>	Dry Channel Regenerative Step Pool Stormwater Conveyance System	AA19RST000028	BMP0079	AA19BDA000025	SPSC	Baltimore Harbor	02130903	Rock Creek	021309031006	RR	Stormwater Performance Standard-Runoff Reduction	0.85	3.23	5.82	5.50	75.63	7.19	9771.28	\$ 467,686.00
Milestone 1	2023	Detention Structure (Dry Pond)	Sand Filter	AA19RST000011	BMP0098	AA19BDA000019	FSND	Patapsco River L N Br	02130906	Patapsco Mainstem	021309061012	ST	Stormwater Performance Standard-Stormwater Treatment	1.09	14.41	15.38	20.70	167.06	20.97	38106.87	\$ 1,229,479.00
Milestone 1	2023	Detention Structure (Dry Pond)	Dry Channel Regenerative Step Pool Stormwater Conveyance System	AA17RST000005	BMP0103	AA17BDA000010	SPSC	Baltimore Harbor	02130903	Back Creek	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	1.41	3.24	4.69	4.10	77.17	7.28	10423.53	\$ 738,562.00
Milestone 1		Detention Structure (Dry Pond)	Dry Channel Regenerative Step Pool Stormwater Conveyance System	AA17RST000022	BMP0135	AA17BDA000005	SPSC	Patapsco River L N Br	02130906	Unnamed Tributary	021309061012	RR	Stormwater Performance Standard-Runoff Reduction	0.85	7.58	7.16	9.20	133.51	12.42	19479.69	\$ 468,009.00
Milestone 1	2024	Detention Structure (Dry Pond)	Extended Detention - Wetland	AA19RST000012	BMP0136	AA19BDA000011	WEDW	Baltimore Harbor	02130903	Marley Creek 4	021309031008	ST	Stormwater Performance Standard-Stormwater Treatment	1.06	7.04	12.28	9.10	101.15	12.91	21001.71	\$ 127,512.00
Milestone 1		Detention Structure (Dry Pond)	Dry Channel Regenerative Step Pool Stormwater Conveyance System	AA18RST000022	BMP0170	AA18BDA000014	SPSC	Patapsco River L N Br	02130906	Unname Tributary	021309061012	RR	Stormwater Performance Standard-Runoff Reduction	2.22	11.05	21.04	15.10	314.08	29.92	40243.18	\$ 1,172,411.00
Milestone 1	2023	Detention Structure (Dry Pond)	Infiltration Basin	AA19RST000023	BMP0183	AA19BDA000020	IBAS	Baltimore Harbor	02130903	Rock Creek	021309031006	ST	Stormwater Performance Standard-Stormwater Treatment	2.66	3.02	2.50	4.50	35.52	4.44	8477.86	\$ 641,311.00
Milestone 1	2023	New Restoration Project	Dry Channel Regenerative Step Pool Stormwater Conveyance System	AA19RST000001	BMP0196	AA19BDA000005	SPSC	Baltimore Harbor	02130903	Sawmill Creek 1	021309031009	RR	Stormwater Performance Standard-Runoff Reduction	0.07	24.13	55.15	34.70	96.09	9.51	12195.23	\$ 285,182.00
Milestone 1	2023	Detention Structure (Dry Pond)	Retention Pond (Wet Pond)	AA20RST000001	BMP0246	AA20BDA000002	PWET	Baltimore Harbor	02130903	Cabin Branch	021309031008	ST	Stormwater Performance Standard-Stormwater Treatment	0.72	5.81	8.40	7.00	66.99	8.50	14439.42	\$ 687,785.00
Milestone 1	2028	New Restoration Project	Extended Detention - Wetland	AA21RST000008	BMP0421	AA21BDA000008	WEDW	Baltimore Harbor	02130903	Marley Creek 4	021309031008	ST	Stormwater Performance Standard-Stormwater Treatment	1.00	6.42	10.85	8.90	89.39	11.40	18678.12	\$ 122,141.00
Milestone 1	2024	Detention Structure (Dry Pond)	Extended Detention - Wetland	AA21RST000009	BMP0422	AA21BDA000009	WPWS	Baltimore Harbor	02130903	Marley Creek 4	021309031008	ST	Stormwater Performance Standard-Stormwater Treatment	1.00	6.77	13.59	8.70	103.16	13.24	20804.72	\$ 1,227,062.00

Table B-7: Stormwater Managemnt BMPs Load Reductions - - Interim Programmed and Planned

SCENARIO	PROJECTED YEAR	CONVERTED FROM	RESTORATION BMP TYPE	RESTORATION BMP ID	BMP ID	BMP DRAINAGE ID	BMP TYPE	WATERSHED NAME	WATERSHED 8DGT	SUBWATERSHED NAME	WATERSHED 12DGT	BMP SHORT NAME	BMP DESCRIPTION	PE	TREATED (ACRES)		IMPERVIOUS ACRES	EOS LOAD		TSS	COST
															AGGREGATE IMPERVIOUS	TURF		TN	TP		
Milestone 1	2023	New Restoration Project	Dry Channel Regenerative Step Pool Stormwater Conveyance System	AA21RST000007	BMP0727	AA21BDA000007	SPSC	Baltimore Harbor	02130903	Marley Creek 3	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	3.00	48.44	83.19	5.00	1512.78	137.02	190285.56	\$ 553,292.00
Milestone 1	2024	Detention Structure (Dry Pond)	Dry Channel Regenerative Step Pool Stormwater Conveyance System	AA22RST000001	BMP0789	AA22BDA000001	SPSC	Patapsco River L N Br	2130906	Patapsco Mainstem	021309061012	RR	Stormwater Performance Standard-Runoff Reduction	1.14	3.26	10.37	3.48	115.89	11.24	13309.15	\$ 1,855,262.00
Milestone 1	2024	Detention Structure (Dry Pond)	Dry Channel Regenerative Step Pool Stormwater Conveyance System	AA17RST000005	BMP0105	AA17BDA000010	MIBR	Baltimore Harbor	02130903	Back Creek	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	1.46	4.08	6.71	4.10	103.84	9.84	13672.27	\$ 738,562.00
Planned	NO DATA	NO DATA	NO DATA	AA97POI207627	Planned BMP 6: Retrofit of AA97POI207627 (XDED) currently treating 0 inches			Baltimore Harbor	02130903	Back Creek	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	3.00	28.05	38.81	46.58	789.40	70.96	103636.43	\$ 7,406,220.00
Planned	NO DATA	NO DATA	NO DATA	AA91POI202283	Planned BMP 7: Retrofit of AA91POI202283 (XDED) currently treating 0 inches			Baltimore Harbor	02130903	Marley Creek 4	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	3.00	17.68	35.61	33.93	600.68	54.71	73124.30	\$ 5,394,870.00
Planned	NO DATA	NO DATA	NO DATA	AA91POI201827	Planned BMP 8: Retrofit of AA91POI201827 (XDPD) currently treating 0 inches			Baltimore Harbor	02130903	Sawmill Creek 1	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	3.00	26.30	10.67	36.86	502.45	43.52	79212.77	\$ 5,860,740.00
Planned	NO DATA	NO DATA	NO DATA	AA06POI202196	Planned BMP 9: Retrofit of AA06POI202196 (XDED) currently treating 0 inches			Baltimore Harbor	02130903	Marley Creek 1	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	3.00	8.46	22.88	12.97	341.39	31.40	39069.96	\$ 2,062,230.00
Planned	NO DATA	NO DATA	NO DATA	AA93POI204655	Planned BMP 10: Retrofit of AA93POI204655 (XDPD) currently treating 0 inches			Baltimore Harbor	02130903	Marley Creek 4	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	3.00	9.50	18.50	12.63	316.81	28.82	38833.28	\$ 2,008,170.00
Planned	NO DATA	NO DATA	NO DATA	AA93POI204199	Planned BMP 11: Retrofit of AA93POI204199 (XDPD) currently treating 0 inches			Baltimore Harbor	02130903	Cox Creek	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	3.00	6.87	16.23	9.50	255.53	23.40	30086.80	\$ 1,510,500.00
Planned	NO DATA	NO DATA	NO DATA	AA88POI201944	Planned BMP 12: Retrofit of AA88POI201944 (XDPD) currently treating 0 inches			Baltimore Harbor	02130903	Sawmill Creek 2	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	3.00	11.04	7.68	14.20	240.50	21.13	35486.66	\$ 2,257,800.00
Planned	NO DATA	NO DATA	NO DATA	AA98POI203421	Planned BMP 13: Retrofit of AA98POI203421 (XDED) currently treating 0 inches			Baltimore Harbor	02130903	Stoney Creek	021309031008	RR	Stormwater Performance Standard-Runoff Reduction	3.00	3.56	5.41	4.84	104.58	9.43	13479.34	\$ 769,560.00
TOTAL																		6271.04	593.06	867049.38	\$ 38,149,312.00

o date indicates data will be determined during future phases.

Appendix C:

Monitoring Data

Table C-1: Individual Site Data from Round 1 through Round 3 Sampling Reports

Station	Round	Year	PSU	Subwatershed	DA (acres)	BIBI Score	BIBI Rating	RBP Score	RBP Rating	PHI Score	PHI Rating	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH	Turbidity (NTU)	Water Temperature (C)
01-01	1	2007	01	Piney Run	284.1	1.57	Very Poor	107	Partially Supporting	71.41	Partially Degraded	917	12.19	NC	NC	5.93
01-02	1	2007	01	Piney Run	561.5	3.86	Fair	104	Partially Supporting	56.97	Degraded	294	11.62	NC	NC	7.84
01-04	1	2007	01	Piney Run	147.0	3.00	Fair	99	Non-supporting	75.75	Partially Degraded	1774	11.33	NC	NC	3.61
01-05	1	2007	01	Piney Run	253.3	3.29	Fair	94	Non-supporting	65.20	Degraded	186	10.64	NC	NC	9.57
01-07	1	2007	01	Piney Run	5412.0	2.71	Poor	119	Partially Supporting	57.83	Degraded	1464	14.83	NC	NC	1.14
01-08	1	2007	01	Piney Run	12770.0	2.14	Poor	106	Partially Supporting	48.32	Severely Degraded	777	10.87	NC	NC	12.04
01-09	1	2007	01	Piney Run	12452.0	3.29	Fair	122	Partially Supporting	36.25	Severely Degraded	1340	13.28	NC	NC	5.97
01-10	1	2007	01	Piney Run	11738.0	2.71	Poor	107	Partially Supporting	38.18	Severely Degraded	1453	14.63	NC	NC	0.48
01-12A	1	2007	01	Piney Run	2094.5	3.00	Fair	125	Partially Supporting	64.30	Degraded	971	14.19	NC	NC	9.54
01-13A	1	2007	01	Piney Run	122.0	1.29	Very Poor	108	Partially Supporting	72.97	Partially Degraded	1385	12.12	NC	NC	6.51
01-01	2	2012	01	Piney Run	266	1.57	Very Poor	117	Partially Supporting	78.87	Partially Degraded	697.7	10.78	7.25	11.5	8.7
01-02	2	2012	01	Piney Run	4728	2.43	Poor	136	Supporting	67.45	Partially Degraded	473.9	10.86	7.72	3.06	17.3
01-03	2	2012	01	Piney Run	2201	2.43	Poor	120	Partially Supporting	61.15	Degraded	428	9.73	7.41	6.07	12
01-04	2	2012	01	Piney Run	134	2.14	Poor	94	Non Supporting	54.41	Degraded	98.7	8.09	5.55	19.2	15.5
01-05	2	2012	01	Piney Run	543	1.86	Very Poor	113	Partially Supporting	63.53	Degraded	603.3	10.85	6.92	13	7.9
01-06	2	2012	01	Piney Run	1955	2.43	Poor	148	Supporting	77.34	Partially Degraded	440.9	10.23	7.28	6.31	12.8
01-07	2	2012	01	Piney Run	1361	3.29	Fair	152	Comparable to Reference	85.75	Minimally Degraded	349.1	11.83	7.18	3.91	10
01-08	2	2012	01	Piney Run	11784	3.86	Fair	123	Partially Supporting	46.23	Severely Degraded	618.3	10.47	7.42	2.77	10.1
01-09	2	2012	01	Piney Run	4741	2.43	Poor	119	Partially Supporting	61.98	Degraded	540	10.75	7.55	3.19	15.5
01-10	2	2012	01	Piney Run	12681	4.43	Good	120	Partially Supporting	48.53	Severely Degraded	578.7	10.04	6.99	4.94	9.5
01-L1M-01-18	3	2018	01	Piney Run	2294.0	2.14	Poor	75	Non-Supporting	62	Degraded	757.5	10.74	7.25	4.5	6.5
01-L1M-02-18	3	2018	01	Piney Run	5203.1	3.00	Fair	77	Non-Supporting	54	Degraded	943	11.80	7.82	7.84	10.4
01-L2M-01-18	3	2018	01	Piney Run	134.2	2.43	Poor	96	Non-Supporting	51	Degraded	202.9	10.12	6.92	6.2	11.8
01-L2M-02-18	3	2018	01	Piney Run	11512.3	3.00	Fair	123	Partially Supporting	53	Degraded	754	7.72	7.07	12.6	10.6
01-R3M-01-18	3	2018	01	Piney Run	5270.7	3.00	Fair	75	Non-Supporting	43	Severely Degraded	936	12.25	7.18	6.14	9.2
01-R3M-02-18	3	2018	01	Piney Run	1496.5	2.71	Poor	120	Partially Supporting	63	Degraded	424.7	10.94	7.62	4.6	6.6
01-R3M-03-18	3	2018	01	Piney Run	1560.6	2.71	Poor	124	Partially Supporting	64	Degraded	791	11.33	6.94	6.23	8.3
01-R3M-04-18	3	2018	01	Piney Run	566.5	1.86	Very Poor	117	Partially Supporting	58	Degraded	698.2	12.75	7.65	6.1	8.6
02-01	1	2007	02	Stoney Run	220.8	2.14	Poor	95	Non-supporting	57.51	Degraded	898	14.52	NC	NC	1.13
02-03	1	2007	02	Stoney Run	59.2	2.14	Poor	110	Partially Supporting	63.20	Degraded	343	8.93	NC	NC	14.55
02-04	1	2007	02	Stoney Run	304.1	3.00	Fair	111	Partially Supporting	73.61	Partially Degraded	842	12.4	NC	NC	4.07
02-05	1	2007	02	Stoney Run	203.8	3.00	Fair	103	Partially Supporting	54.60	Degraded	436	15.7	NC	NC	1.34
02-06	1	2007	02	Stoney Run	339.7	1.29	Very Poor	107	Partially Supporting	55.89	Degraded	1199	12.89	NC	NC	15.25
02-07	1	2007	02	Stoney Run	981.9	1.57	Very Poor	104	Partially Supporting	60.38	Degraded	930	8.5	NC	NC	8.78
02-11A	1	2007	02	Stoney Run	156.2	3.57	Fair	96	Non-supporting	67.12	Partially Degraded	323	11.17	NC	NC	9.76
02-18A	1	2007	02	Stoney Run	6030.6	2.71	Poor	116	Partially Supporting	53.19	Degraded	570	13.6	NC	NC	4.61
02-19A	1	2007	02	Stoney Run	1965.5	2.14	Poor	93	Non-supporting	45.13	Severely Degraded	220	10.23	NC	NC	15.67
02-20A	1	2007	02	Stoney Run	6092.9	2.14	Poor	116	Partially Supporting	56.00	Degraded	578	13.39	NC	NC	3.17
02-01	2	2010	02	Stoney Run	6112	3.00	Fair	149	Supporting	73.26	Partially Degraded	513.9	10.90	7.00	7.07	9.63
02-02	2	2010	02	Stoney Run	265	2.43	Poor	121	Partially Supporting	56.80	Degraded	319.6	10.72	7.24	10.80	11.33
02-06	2	2010	02	Stoney Run	495	3.57	Fair	128	Supporting	83.14	Minimally Degraded	267.8	10.51	6.77	8.09	9.70
02-08	2	2010	02	Stoney Run	112	3.57	Fair	113	Partially Supporting	72.27	Partially Degraded	234.9	11.41	7.04	14.20	12.37
02-09	2	2010	02	Stoney Run	2219	3.29	Fair	138	Supporting	73.81	Partially Degraded	431.9	10.16	7.09	6.45	9.10

Station	Round	Year	PSU	Subwatershed	DA (acres)	BIBI Score	BIBI Rating	RBP Score	RBP Rating	PHI Score	PHI Rating	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH	Turbidity (NTU)	Water Temperature (C)
02-10	2	2010	02	Stoney Run	2081	2.71	Poor	113	Partially Supporting	55.15	Degraded	403.9	11.17	7.11	8.89	11.30
02-15A	2	2010	02	Stoney Run	1285	2.71	Poor	153	Comparable to Reference	86.57	Minimally Degraded	771.6	9.46	7.20	7.01	15.30
02-16A	2	2010	02	Stoney Run	526	3.57	Fair	153	Comparable to Reference	84.20	Minimally Degraded	229.1	10.40	7.20	11.50	9.13
02-18A	2	2010	02	Stoney Run	127	1.00	Very Poor	88	Non Supporting	61.92	Degraded	676.6	12.78	7.58	7.36	17.47
02-20A	2	2010	02	Stoney Run	866	1.00	Very Poor	99	Non Supporting	39.46	Severely Degraded	492.2	10.21	6.92	5.36	12.97
02-L1M-01-20	3	2020	02	Stoney Run	303.8	3.00	Fair	121	Partially Supporting	63	Degraded	283	9.78	7.14	6.88	9.7
02-L1M-03-20	3	2020	02	Stoney Run	6159.6	3.86	Fair	130	Supporting	76	Partially Degraded	446.6	11.05	7.24	5.48	12.5
02-L2M-01-20	3	2020	02	Stoney Run	2075.3	3.00	Fair	108	Partially Supporting	50	Severely Degraded	326.9	10.54	7.32	9.35	9.5
02-L2M-04-20	3	2020	02	Stoney Run	271.6	2.14	Poor	131	Supporting	68	Partially Degraded	260.5	9.08	6.95	9.47	12.5
02-R3M-02-20	3	2020	02	Stoney Run	6072.0	3.29	Fair	123	Partially Supporting	60	Degraded	432.8	11.06	7.32	5.48	11.1
02-R3M-03-20	3	2020	02	Stoney Run	76.4	2.71	Poor	127	Supporting	68	Partially Degraded	194.2	10.78	6.84	40	10.3
02-R3M-04-20	3	2020	02	Stoney Run	3737.4	3.29	Fair	126	Supporting	58	Degraded	331.9	9.50	7.11	5.95	11.6
02-R3M-05-20	3	2020	02	Stoney Run	2427.3	3.29	Fair	133	Supporting	73	Partially Degraded	305.1	10.21	6.98	7.12	12.3
03-01	1	2004	03	Lower Patapsco	578.3	1.86	Very Poor	135	Supporting	74.97	Partially Degraded	455.8	7.86	7.40	10.7	12.79
03-02	1	2004	03	Lower Patapsco	150.8	2.43	Poor	116	Partially Supporting	61.69	Degraded	880.7	4.55	7.90	6.1	12.85
03-04	1	2004	03	Lower Patapsco	554.5	2.71	Poor	138	Supporting	71.08	Partially Degraded	389.8	7.39	7.70	6.4	15.39
03-05	1	2004	03	Lower Patapsco	278.6	3.57	Fair	131	Supporting	79.78	Partially Degraded	249.4	7.74	8.00	29.9	11.02
03-07	1	2004	03	Lower Patapsco	224.2	3.00	Fair	142	Supporting	81.87	Minimally Degraded	219	7.32	7.80	1.3	12.97
03-09	1	2004	03	Lower Patapsco	520.5	2.71	Poor	117	Partially Supporting	64.66	Degraded	477.1	7.64	7.70	8.4	13.59
03-12A	1	2004	03	Lower Patapsco	480.1	3.00	Fair	101	Partially Supporting	52.14	Degraded	459.3	7.11	7.50	5.8	12.05
03-13A	1	2004	03	Lower Patapsco	903.1	3.29	Fair	129	Supporting	59.54	Degraded	344.8	7.45	7.70	2.2	12.1
03-16A	1	2004	03	Lower Patapsco	160.3	1.57	Very Poor	89	Non-supporting	47.97	Severely Degraded	1554	4.55	7.30	4.8	12.04
03-17A	1	2004	03	Lower Patapsco	913.3	2.71	Poor	140	Supporting	77.69	Partially Degraded	339	7.31	7.80	6.3	11.62
03-02	2	2012	03	Lower Patapsco	527	2.43	Poor	117	Partially Supporting	75.53	Partially Degraded	550	11.88	6.86	0.94	13.13
03-03	2	2012	03	Lower Patapsco	238	3.57	Fair	130	Supporting	85.39	Minimally Degraded	277.77	9.84	6.77	2.5	11.17
03-04	2	2012	03	Lower Patapsco	172	1.86	Very Poor	58	Non Supporting	42.17	Severely Degraded	326.27	8.57	8.10	5.1	16.77
03-05	2	2012	03	Lower Patapsco	415	1.57	Very Poor	75	Non Supporting	56.73	Degraded	443.3	5.02	7.08	10.4	17
03-06	2	2012	03	Lower Patapsco	126	2.14	Poor	108	Partially Supporting	66.54	Partially Degraded	205.5	9.21	6.94	3.48	12.83
03-07	2	2012	03	Lower Patapsco	72	2.14	Poor	123	Partially Supporting	80.05	Partially Degraded	194.4	8.98	6.21	4.61	13.3
03-08	2	2012	03	Lower Patapsco	235	3.86	Fair	119	Partially Supporting	79.25	Partially Degraded	271.53	10.39	7.17	13.3	11.23
03-10	2	2012	03	Lower Patapsco	993	2.43	Poor	99	Non Supporting	56.43	Degraded	434.23	8.92	6.63	1.94	13.9
03-11A	2	2012	03	Lower Patapsco	52	2.43	Poor	98	Non Supporting	73.47	Partially Degraded	270.47	8.11	6.11	4.05	15.27
03-15A	2	2012	03	Lower Patapsco	368	1.86	Very Poor	54	Non Supporting	47.2	Severely Degraded	630.33	3.79	7.88	24.6	13.27
03-L1M-02-18	3	2018	03	Lower Patapsco	444.7	1.57	Very Poor	89	Non-Supporting	52	Degraded	447.8	12.16	6.78	3.05	9.3
03-L1M-03-18	3	2018	03	Lower Patapsco	480.3	2.43	Poor	119	Partially Supporting	49	Severely Degraded	637	12.37	7.71	3.2	14.8
03-L2M-01-18	3	2018	03	Lower Patapsco	271.3	3.00	Fair	118	Partially Supporting	75	Partially Degraded	582.6	12.25	7.48	31.3	5.8
03-L2M-03-18	3	2018	03	Lower Patapsco	268.6	3.86	Fair	102	Partially Supporting	68	Partially Degraded	510.7	11.59	7.55	28.8	7.9
03-R3M-01-18	3	2018	03	Lower Patapsco	181.6	2.14	Poor	64	Non-Supporting	47	Severely Degraded	2378	9.88	6.70	15.2	9.1
03-R3M-03-18	3	2018	03	Lower Patapsco	734.6	2.14	Poor	110	Partially Supporting	57	Degraded	543.9	10.84	6.61	4.06	8.2
03-R3M-04-18	3	2018	03	Lower Patapsco	138.1	1.00	Very Poor	62	Non-Supporting	50	Severely Degraded	4111	9.03	6.94	12.9	11.0
03-R3M-05-18	3	2018	03	Lower Patapsco	422.9	1.00	Very Poor	86	Non-Supporting	48	Severely Degraded	2263	3.39	7.33	4.32	6.6
04-01	1	2008	04	Sawmill Creek	326.7	2.43	Poor	100	Non-supporting	55.92	Degraded	322	9.37	6.98	NC	7.55
04-06	1	2008	04	Sawmill Creek	1248.7	1.29	Very Poor	69	Non-supporting	40.82	Severely Degraded	1147	11.8	7.40	NC	5.9
04-07	1	2008	04	Sawmill Creek	67.6	1.29	Very Poor	114	Partially Supporting	69.44	Partially Degraded	432	11.29	7.50	NC	4.69

Station	Round	Year	PSU	Subwatershed	DA (acres)	BIBI Score	BIBI Rating	RBP Score	RBP Rating	PHI Score	PHI Rating	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH	Turbidity (NTU)	Water Temperature (C)
04-08	1	2008	04	Sawmill Creek	412.4	1.86	Very Poor	110	Partially Supporting	57.10	Degraded	387	10.57	6.86	NC	13.17
04-09	1	2008	04	Sawmill Creek	3273.3	2.14	Poor	97	Non-supporting	34.85	Severely Degraded	292	11.3	7.18	NC	7.53
04-10	1	2008	04	Sawmill Creek	4347.9	2.14	Poor	117	Partially Supporting	38.97	Severely Degraded	459	11.65	7.23	NC	10.04
04-12A	1	2008	04	Sawmill Creek	1178.2	2.14	Poor	130	Supporting	76.91	Partially Degraded	248	11.1	6.64	NC	6.59
04-13A	1	2008	04	Sawmill Creek	512.9	1.86	Very Poor	108	Partially Supporting	70.44	Partially Degraded	548	12.45	7.12	NC	8.63
04-15A	1	2008	04	Sawmill Creek	237.9	2.14	Poor	110	Partially Supporting	74.68	Partially Degraded	448	10.93	6.80	NC	8.6
04-20A	1	2008	04	Sawmill Creek	4461.2	1.86	Very Poor	134	Supporting	NC	NC	372	7.63	6.93	NC	13.51
04-01	2	2010	04	Sawmill Creek	3100	2.71	Poor	107	Partially Supporting	56.08	Degraded	717.3	9.89	7.41	5.08	10.90
04-02	2	2010	04	Sawmill Creek	545	2.43	Poor	148	Supporting	73.05	Partially Degraded	436.4	9.49	7.96	12.70	11.53
04-03	2	2010	04	Sawmill Creek	286	1.00	Very Poor	60	Non Supporting	36.21	Severely Degraded	475.6	10.57	7.70	4.37	9.03
04-04	2	2010	04	Sawmill Creek	613	2.71	Poor	141	Supporting	70.65	Partially Degraded	456.7	10.10	7.81	1.94	10.33
04-05	2	2010	04	Sawmill Creek	586	2.43	Poor	142	Supporting	75.20	Partially Degraded	610.6	8.03	7.22	9.35	12.90
04-06	2	2010	04	Sawmill Creek	239	2.43	Poor	127	Supporting	69.45	Partially Degraded	695.1	9.73	7.32	3.14	11.63
04-08	2	2010	04	Sawmill Creek	278	2.71	Poor	141	Supporting	75.26	Partially Degraded	1126.1	9.16	7.97	10.70	9.67
04-10	2	2010	04	Sawmill Creek	4194	2.71	Poor	144	Supporting	53.56	Degraded	447.4	10.01	6.71	4.72	10.67
04-12A	2	2010	04	Sawmill Creek	157	2.43	Poor	157	Comparable to Reference	94.94	Minimally Degraded	183.1	9.44	7.26	5.01	10.10
04-16A	2	2010	04	Sawmill Creek	231	2.14	Poor	62	Non Supporting	53.83	Degraded	439.7	8.14	7.12	2.16	10.90
04-L1M-01-19	3	2019	04	Sawmill Creek	47.8	2.71	Poor	113	Partially Supporting	77	Partially Degraded	292.5	9.61	7.56	9.51	13.2
04-L1M-02-19	3	2019	04	Sawmill Creek	1113.3	3.86	Fair	130	Supporting	84	Minimally Degraded	249.2	10.82	6.80	10.1	8.8
04-L2M-02-19	3	2019	04	Sawmill Creek	3091.4	3.86	Fair	113	Partially Supporting	64	Degraded	496.8	10.68	7.31	7.1	8.4
04-L2M-03-19	3	2019	04	Sawmill Creek	551.8	2.14	Poor	139	Supporting	75	Partially Degraded	420	10.32	6.96	1.3	10.9
04-R3M-06-19	3	2019	04	Sawmill Creek	545.8	3.86	Fair	130	Supporting	72	Partially Degraded	210.4	9.70	6.66	14.5	16.4
04-R3M-08-19	3	2019	04	Sawmill Creek	654.0	1.00	Very Poor	90	Non-Supporting	64	Degraded	463	8.83	6.63	2.1	9.8
04-R3M-12-19	3	2019	04	Sawmill Creek	496.2	4.14	Good	150	Supporting	78	Partially Degraded	196	10.23	6.69	0.9	13.1
04-R3M-14-19	3	2019	04	Sawmill Creek	554.7	1.86	Very Poor	144	Supporting	83	Minimally Degraded	422	9.80	7.02	1.1	9.7
05-02	1	2006	05	Marley Creek	237.5	1.57	Very Poor	110	Partially Supporting	58.50	Degraded	561	3.43	6.88	NC	4.86
05-04	1	2006	05	Marley Creek	312.9	2.71	Poor	109	Partially Supporting	70.86	Partially Degraded	105	112.4	6.75	NC	9.56
05-06	1	2006	05	Marley Creek	255.1	3.29	Fair	105	Partially Supporting	65.24	Degraded	217	14.5	6.98	NC	5.62
05-07	1	2006	05	Marley Creek	659.0	2.14	Poor	113	Partially Supporting	74.02	Partially Degraded	467	8.14	6.63	NC	8.14
05-08	1	2006	05	Marley Creek	787.7	2.71	Poor	138	Supporting	74.05	Partially Degraded	220	11.82	6.83	NC	10.79
05-09	1	2006	05	Marley Creek	496.6	2.14	Poor	87	Non-supporting	57.14	Degraded	267	12.37	5.64	NC	6.42
05-10	1	2006	05	Marley Creek	2742.7	3.00	Fair	126	Supporting	54.09	Degraded	289	15.22	6.13	NC	8.34
05-11A	1	2006	05	Marley Creek	179.7	2.43	Poor	87	Non-supporting	62.07	Degraded	218	11.49	6.43	NC	9.2
05-13A	1	2006	05	Marley Creek	290.4	2.43	Poor	79	Non-supporting	55.87	Degraded	366	8.83	6.08	NC	6.63
05-15A	1	2006	05	Marley Creek	791.2	3.29	Fair	116	Partially Supporting	66.99	Partially Degraded	284	10.54	6.67	NC	10.51
05-01	2	2009	05	Marley Creek	415	1.86	Very Poor	87	Non supporting	50.76	Severely Degraded	1306.00	12.15	7.31	NC	9.73
05-02	2	2009	05	Marley Creek	212	2.14	Poor	104	Partially supporting	77.26	Partially Degraded	412.00	11.53	7.05	NC	7.02
05-03	2	2009	05	Marley Creek	480	2.14	Poor	106	Partially supporting	64.83	Degraded	562.00	10.53	7.21	NC	6.16
05-04	2	2009	05	Marley Creek	465	1.29	Very Poor	55	Non supporting	35.80	Severely Degraded	1036.00	13.17	7.35	NC	7.78
05-05	2	2009	05	Marley Creek	517	2.14	Poor	72	Non supporting	53.38	Degraded	1284.00	12.08	7.11	NC	10.46
05-07	2	2009	05	Marley Creek	269	1.00	Very Poor	74	Non supporting	55.95	Degraded	465.00	6.79	6.77	NC	7.82
05-08	2	2009	05	Marley Creek	426	2.14	Poor	123	Partially supporting	70.10	Partially Degraded	322.00	10.43	6.92	NC	8.35
05-09	2	2009	05	Marley Creek	2717	2.43	Poor	136	Supporting	65.04	Degraded	408.00	11.90	6.85	NC	9.67
05-10	2	2009	05	Marley Creek	4490	1.86	Very Poor	143	Supporting	70.41	Partially Degraded	853.00	10.22	6.87	NC	8.93

Station	Round	Year	PSU	Subwatershed	DA (acres)	BIBI Score	BIBI Rating	RBP Score	RBP Rating	PHI Score	PHI Rating	Conductivity (us/cm)	Dissolved Oxygen (mg/L)	pH	Turbidity (NTU)	Water Temperature (C)
05-12A	2	2009	05	Marley Creek	771	1.29	Very Poor	130	Supporting	61.94	Degraded		11.54	6.94	NC	11.13
05-L1M-03-18	3	2018	05	Marley Creek	233.2	1.00	Very Poor	99	Non-Supporting	65	Degraded	377.7	7.03	7.03	4.4	2.1
05-L1M-04-18	3	2018	05	Marley Creek	178.2	3.29	Fair	118	Partially Supporting	71	Partially Degraded	345	10.62	7.25	7.4	8.5
05-L2M-02-18	3	2018	05	Marley Creek	313.1	3.00	Fair	132	Supporting	80	Partially Degraded	340	10.84	7.21	2.6	9.6
05-L2M-03-18	3	2018	05	Marley Creek	482.1	1.86	Very Poor	124	Partially Supporting	79	Partially Degraded	249	12.93	7.39	5.6	8.8
05-R3M-02-18	3	2018	05	Marley Creek	249.8	2.71	Poor	109	Partially Supporting	58	Degraded	272.3	13.83	6.02	63.2	7.0
05-R3M-03-18	3	2018	05	Marley Creek	1044.2	2.71	Poor	127	Supporting	67	Partially Degraded	873	10.14	7.00	8.2	9.0
05-R3M-05-18	3	2018	05	Marley Creek	407.0	1.00	Very Poor	104	Partially Supporting	58	Degraded	282.7	13.17	7.48	5.6	4.6
05-R3M-06-18	3	2018	05	Marley Creek	388.1	3.00	Fair	81	Non-Supporting	50	Severely Degraded	245.7	12.84	6.52	38.6	7.8

NC = Not Collected

Table C-2: Individual Site Data from Patapsco Tidal and Bodkin Creek Watershed Assessment Comprehensive Summary Report

Station	Watershed Code	Subwatershed	Survey	Year	BIBI Score	BIBI Rating
Lower Patapsco North Branch						
PANT-14-2009	PN1	Patapsco Mainstem	2009	Targeted	1.00	Poor
PANT-15-2009	PN1	Patapsco Mainstem	2009	Targeted	2.00	Poor
PN2 03-12A 2004	PN2	Holly Creek	2004	Random	3.00	Fair
PN2 03-09 2004	PN2	Holly Creek	2004	Random	2.00	Poor
PN2 03-01 2004	PN2	Holly Creek	2004	Random	1.00	Poor
PN2 03-12A 2007	PN2	Holly Creek	2007	Random	3.00	Fair
PN2 03-09 2007	PN2	Holly Creek	2007	Random	2.00	Poor
PN2 03-01 2007	PN2	Holly Creek	2007	Random	1.00	Poor
PANT-10-2008	PN2	Holly Creek	2008	Targeted	1.00	Poor
PANT-08-2009	PN2	Holly Creek	2009	Targeted	1.00	Poor
PANT-09-2008	PN3	Patapsco Mainstem	2008	Targeted	1.00	Poor
PANT-09-2009	PN3	Patapsco Mainstem	2009	Targeted	1.00	Poor
PN4 03-02 2007	PN4	Unnamed Tributary	2004	Random	2.00	Poor
PN4 03-16A 2004	PN4	Unnamed Tributary	2004	Random	1.00	Poor
PN4 03-04 2004	PN4	Unnamed Tributary	2004	Random	2.00	Poor
PN4 03-13A 2004	PN4	Unnamed Tributary	2004	Random	3.00	Fair
PN4 03-17A 2004	PN4	Unnamed Tributary	2004	Random	2.00	Poor
PN4 03-02 2007	PN4	Unnamed Tributary	2007	Random	2.00	Poor
PN4 03-16A 2007	PN4	Unnamed Tributary	2007	Random	1.00	Poor
PN4 03-04 2007	PN4	Unnamed Tributary	2007	Random	2.00	Poor
PN4 03-13A 2007	PN4	Unnamed Tributary	2007	Random	3.00	Fair
PN4 03-17A 2007	PN4	Unnamed Tributary	2007	Random	2.00	Poor
PANT-04-2008	PN4	Unnamed Tributary	2008	Targeted	2.00	Poor
PN5 03-07 2004	PN5	Patapsco Mainstem	2004	Random	2.00	Poor
PN5 03-05 2004	PN5	Patapsco Mainstem	2004	Random	3.00	Fair
PN5 03-07 2007	PN5	Patapsco Mainstem	2007	Random	2.00	Poor
PN5 03-05 2007	PN5	Patapsco Mainstem	2007	Random	3.00	Fair
PANT-05-2008	PN5	Patapsco Mainstem	2008	Targeted	2.00	Poor
PANT-13-2009	PN5	Patapsco Mainstem	2009	Targeted	2.00	Poor
PN6 02-18A 2004	PN6	Stoney Run 1	2004	Random	2.00	Poor
PN6 02-20A 2004	PN6	Stoney Run 1	2004	Random	2.00	Poor
PN6 02-18A 2007	PN6	Stoney Run 1	2007	Random	2.00	Poor
PN6 02-20A 2007	PN6	Stoney Run 1	2007	Random	2.00	Poor
PANT-03-2008	PN6	Stoney Run 1	2008	Targeted	3.00	Fair
PANT-12-2009	PN6	Stoney Run 1	2009	Targeted	3.00	Fair
PN7 02-06 2004	PN7	Stoney Run 2	2004	Random	1.00	Poor
PN7 02-06 2007	PN7	Stoney Run 2	2007	Random	1.00	Poor
PANT-11-2008	PN7	Stoney Run 2	2008	Targeted	3.00	Fair
PANT-02-2008	PN7	Stoney Run 2	2008	Targeted	3.00	Fair
PANT-05-2009	PN7	Stoney Run 2	2009	Targeted	2.00	Poor
PANT-06-2009	PN7	Stoney Run 2	2009	Targeted	3.00	Fair
PN8 02-07 2004	PN8	Stoney Run 3	2004	Random	1.00	Poor
PN8 02-07 2007	PN8	Stoney Run 3	2007	Random	1.00	Poor

Station	Watershed Code	Subwatershed	Survey	Year	BIBI Score	BIBI Rating
PANT-01-2008	PN8	Stoney Run 3	2008	Targeted	3.00	Fair
PANT-11-2009	PN8	Stoney Run 3	2009	Targeted	1.00	Poor
PANT-10-2009	PN8	Stoney Run 3	2009	Targeted	2.00	Poor
PN9 02-04 2004	PN9	Stoney Run 4	2004	Random	3.00	Fair
PN9 02-03 2004	PN9	Stoney Run 4	2004	Random	2.00	Poor
PN9 02-11A 2004	PN9	Stoney Run 4	2004	Random	3.00	Fair
PN9 02-01 2004	PN9	Stoney Run 4	2004	Random	2.00	Poor
PN9 02-05 2004	PN9	Stoney Run 4	2004	Random	3.00	Fair
PN9 02-19A 2004	PN9	Stoney Run 4	2004	Random	2.00	Poor
PN9 02-04 2007	PN9	Stoney Run 4	2007	Random	3.00	Fair
PN9 02-03 2007	PN9	Stoney Run 4	2007	Random	2.00	Poor
PN9 02-11A 2007	PN9	Stoney Run 4	2007	Random	3.00	Fair
PN9 02-01 2007	PN9	Stoney Run 4	2007	Random	2.00	Poor
PN9 02-05 2007	PN9	Stoney Run 4	2007	Random	3.00	Fair
PN9 02-19A 2007	PN9	Stoney Run 4	2007	Random	2.00	Poor
PANT-04-2009	PN9	Stoney Run 4	2009	Targeted	2.00	Poor
PANT-06-2008	PNA	Deep Run	2008	Targeted	2.40	Poor
PANT-07-2009	PNA	Deep Run	2009	Targeted	2.40	Poor
PNB 01-01 2004	PNB	Piney Run	2004	Random	1.00	Poor
PNB 01-13A 2004	PNB	Piney Run	2004	Random	1.00	Poor
PNB 01-12A 2004	PNB	Piney Run	2004	Random	3.00	Fair
PNB 01-04 2004	PNB	Piney Run	2004	Random	3.00	Fair
PNB 01-01 2007	PNB	Piney Run	2007	Random	1.00	Poor
PNB 01-13A 2007	PNB	Piney Run	2007	Random	1.00	Poor
PNB 01-12A 2007	PNB	Piney Run	2007	Random	3.00	Fair
PNB 01-04 2007	PNB	Piney Run	2007	Random	3.00	Fair
PANT-08-2008	PNB	Piney Run	2008	Targeted	2.70	Poor
PANT-02-2009	PNB	Piney Run	2009	Targeted	2.10	Poor
PANT-03-2009	PNB	Piney Run	2009	Targeted	2.70	Poor
PNC 01-05 2004	PNC	Deep Run	2004	Random	3.00	Fair
PNC 01-02 2004	PNC	Deep Run	2004	Random	3.00	Fair
PNC 01-07 2004	PNC	Deep Run	2004	Random	2.00	Poor
PNC 05-05 2007	PNC	Deep Run	2007	Random	3.00	Fair
PNC 05-02 2007	PNC	Deep Run	2007	Random	3.00	Fair
PNC 01-07 2007	PNC	Deep Run	2007	Random	2.00	Poor
PANT-07-2008	PNC	Deep Run	2008	Targeted	2.70	Poor
PANT-01-2009	PNC	Deep Run	2009	Targeted	4.70	Good
Baltimore Harbor						
AA_2006_05-08	PT0	Stony Creek	Random	2006	2.71	Poor
AA_2006_05-15A	PT0	Stony Creek	Random	2006	3.29	Fair
PT0-911-T-2009	PT0	Stony Creek	Targeted	2009	2.43	Poor
PT0-916-T-2009	PT0	Stony Creek	Targeted	2009	3.57	Fair
PT0-917-T-2009	PT0	Stony Creek	Targeted	2009	3.00	Fair
PT0-925-T-2009	PT0	Stony Creek	Targeted	2009	1.86	Very Poor
PT0-940-T-2009	PT0	Stony Creek	Targeted	2009	2.14	Poor

Station	Watershed Code	Subwatershed	Survey	Year	BIBI Score	BIBI Rating
PT2-949-T-2009	PT2	Cabin Branch 2	Targeted	2009	1.57	Very Poor
PT2-950-T-2009	PT2	Cabin Branch 2	Targeted	2009	2.71	Poor
AA_2008_04-06	PT3	Cabin Branch	Random	2008	1.29	Very Poor
AA_2008_04-07	PT3	Cabin Branch	Random	2008	1.29	Very Poor
PT3-944-T-2009	PT3	Cabin Branch	Targeted	2009	1.86	Very Poor
PT3-947-T-2009	PT3	Cabin Branch	Targeted	2009	2.14	Poor
PT3-948-T-2009	PT3	Cabin Branch	Targeted	2009	2.43	Poor
AA_2006_05-02	PT5	Furnace Creek	Random	2006	1.57	Very Poor
AA_2006_05-07	PT5	Furnace Creek	Random	2006	2.14	Poor
PT5-929-T-2009	PT5	Furnace Creek	Targeted	2009	1.57	Very Poor
PT5-931-T-2009	PT5	Furnace Creek	Targeted	2009	1.29	Very Poor
PT6-943-T-2009	PT6	Curtis Creek	Targeted	2009	2.14	Poor
PT6-945-T-2009	PT6	Curtis Creek	Targeted	2009	2.71	Poor
AA_2008_04-08	PT7	Sawmill Creek	Random	2008	1.86	Very Poor
AA_2008_04-09	PT7	Sawmill Creek	Random	2008	2.14	Poor
AA_2008_04-10	PT7	Sawmill Creek	Random	2008	2.14	Poor
AA_2008_04-20A	PT7	Sawmill Creek	Random	2008	1.86	Very Poor
PT7-932-T-2009	PT7	Sawmill Creek	Targeted	2009	1.29	Very Poor
PT7-934-T-2009	PT7	Sawmill Creek	Targeted	2009	3.00	Fair
PT7-936-T-2009	PT7	Sawmill Creek	Targeted	2009	1.86	Very Poor
PT7-938-T-2009	PT7	Sawmill Creek	Targeted	2009	2.43	Poor
AA_2006_05-06	PT8	Marley Creek 1	Random	2006	3.29	Fair
AA_2006_05-11A	PT8	Marley Creek 1	Random	2006	2.43	Poor
PT8-923-T-2009	PT8	Marley Creek 1	Targeted	2009	1.57	Very Poor
PT8-927-T-2009	PT8	Marley Creek 1	Targeted	2009	1.86	Very Poor
PT8-937-T-2009	PT8	Marley Creek 1	Targeted	2009	3.57	Fair
PT9-933-T-2009	PT9	Cox Creek	Targeted	2009	2.71	Poor
PT9-935-T-2009	PT9	Cox Creek	Targeted	2009	2.71	Poor
PTB-909-T-2009	PTB	Rock Creek	Targeted	2009	2.14	Poor
PTB-910-T-2009	PTB	Rock Creek	Targeted	2009	2.43	Poor
PTB-918-T-2009	PTB	Rock Creek	Targeted	2009	2.14	Poor
PTC-941-T-2009	PTC	Back Creek	Targeted	2009	1.57	Very Poor
PTC-942-T-2009	PTC	Back Creek	Targeted	2009	1.86	Very Poor
AA_2008_04-01	PTD	Sawmill Creek 2	Random	2008	2.43	Poor
AA_2008_04-12A	PTD	Sawmill Creek 2	Random	2008	2.14	Poor
AA_2008_04-13A	PTD	Sawmill Creek 2	Random	2008	1.86	Very Poor
AA_2008_04-15A	PTD	Sawmill Creek 2	Random	2008	2.14	Poor
PTD-922-T-2009	PTD	Sawmill Creek 2	Targeted	2009	4.14	Good
PTD-924-T-2009	PTD	Sawmill Creek 2	Targeted	2009	3.57	Fair
PTD-928-T-2009	PTD	Sawmill Creek 2	Targeted	2009	2.43	Poor
AA_2006_05-10	PTF	Marley Creek	Random	2006	3.00	Fair
PTF-915-T-2009	PTF	Marley Creek 3	Targeted	2009	2.14	Poor
AA_2006_05-04	PTG	Marley Creek 4	Random	2006	2.71	Poor
AA_2006_05-09	PTG	Marley Creek 4	Random	2006	2.14	Poor
AA_2006_05-13A	PTG	Marley Creek 4	Random	2006	2.43	Poor

Station	Watershed Code	Subwatershed	Survey	Year	BIBI Score	BIBI Rating
PTG-903-T-2009	PTG	Marley Creek 4	Targeted	2009	3.86	Fair
PTG-905-T-2009	PTG	Marley Creek 4	Targeted	2009	1.57	Very Poor
PTG-908-T-2009	PTG	Marley Creek 4	Targeted	2009	3.57	Fair
PTG-939-T-2009	PTG	Marley Creek 4	Targeted	2009	3.00	Fair
PTH-926-T-2009	PTH	Nabbs Creek	Targeted	2009	2.14	Poor
PTH-930-T-2009	PTH	Nabbs Creek	Targeted	2009	1.57	Very Poor

Appendix D:

Adaptive Management Log

NUTRIENT TMDL RESTORATION PLAN BALTIMORE HARBOR WATERSHED, ANNE ARUNDEL COUNTY, MD ADAPTIVE MANAGEMENT COMMENT & RESPONSE LOG

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