

Appendix E4 – Restoration Plans and TMDLs (TMDL Compliance)

Harford County, MD Department of Public Works
 Watershed Protection and Restoration
 Chesapeake Bay Watershed Stormwater Load Reduction Status (MS4 Permit 11-DP-3310)



Barry Glassman
 County Executive

CIPid	Project	Project Type	Completed	Cost	TN Reduced (lb/yr)	TP Reduced (lb/yr)	TSS Reduced (lb/yr)
CIP0035	Ring Factory ES SWM Retrofit & Stream Restoration	SWM Retrofit (ST)	Jun 2018	\$651,349	124.00	12.69	7,140
HA18ALN000002	Ring Factory ES SWM Retrofit & Stream Restoration	Stream Restoration	Jun 2018	\$777,345	79.13	71.74	47,380
HA18ALN000004	Ring Factory ES SWM Retrofit & Stream Restoration	Outfall Stabilization	Jun 2018	\$61,893	0	0	0
HA18ALN000001	Bear Cabin Branch Wetland and Stream Restoration	Stream Restoration	May 2018	\$1,090,000	276.60	249.90	165,000
HA18ALN000003	Lower Wheel Creek SWM Retrofit & Stream Restoration	Stream Restoration	Nov 2017	\$1,764,082	327.75	297.16	196,213
CIP0079	Lower Wheel Creek SWM Retrofit & Stream Restoration	SWM Facility (ST)	Nov 2017	\$56,515	33.40	2.86	1,420
CIP0076	Lower Wheel Creek SWM Retrofit & Stream Restoration	SWM Facility (ST)	Nov 2017	\$102,131	58.20	4.84	2,380
CIP0078	Lower Wheel Creek SWM Retrofit & Stream Restoration	SWM Facility (ST)	Nov 2017	\$79,929	77.77	6.72	3,280
CIP0077	Lower Wheel Creek SWM Retrofit & Stream Restoration	SWM Facility (ST)	Nov 2017	\$101,324	68.19	5.57	2,720
CIP0070	Abingdon Library Water Quality Improvements	SWM Retrofit (RR)	Nov 2017	\$10,446	6.61	0.43	200
CIP0099	Abingdon Library Water Quality Improvements	SWM Facility (RR)	Nov 2017	\$174,105	66.30	5.53	2,760
CIP0098	Abingdon Library Water Quality Improvements	Pervious Urban to Forest	Nov 2017	\$32,500	8.78	0.62	1,120

CIP0102	Leight Center Parking Lot Green Infrastructure	SWM Facility (RR)	Nov 2017	\$209,779	0.27	0.13	80
CIP0103 CIP0046	Leight Center Parking Lot Green Infrastructure	SWM Facility (RR)	Nov 2017	\$67,671	3.77	0.36	200
CIP0025	Wheel Creek at Country Walk 1B SWM Retrofit	Stormwater Treatment (ST)	Jun 2017	\$530,480	29.60	5.80	1,777
HA18ALN000005	Foster Branch at Dembytown Stream Restoration	Stream Restoration	Apr 2017	\$902,793	1561.00	277.00	42,377
CIP0036	Foster Branch at Dembytown Water Quality	Runoff Reduction (RR)	Apr 2017	\$12,958	189.67	13.14	7,963
CIP0024	Wheel Creek at Country Walk 1A SWM Retrofit	Stormwater Treatment (ST)	Jun 2016	\$386,987	94.35	7.36	18,504
CIP0080	Wheel Creek at Country Walk 1A SWM Retrofit	Stormwater Treatment (ST)	Jun 2016	\$189,545	25.92	2.40	6,226
CIP0026	Wheel Creek at Festival at Bel Air SWM Retrofit	Stormwater Treatment (ST)	Feb 2016	\$385,601	67.43	10.82	30,225
	Willoughby Beach Road Tree Planting	Urban Tree Planting	Oct 2015	\$11,844	7.07	0.29	47
	Trappe Church Road Tree Planting	Urban Tree Planting	Oct 2015	\$6,802	3.30	0.13	22
CIP0073	Hickory Elementary Retrofit	Runoff Reduction (RR)	Jul 2015	\$82,199	23.38	1.59	2,051
CIP0031	Norrisville Elementary Bioretention	Runoff Reduction (RR)	Jun 2015	\$112,600	9.04	0.61	784
CIP0064	Oakmont Road Tree Planting	Urban Tree Planting	Apr 2015	\$7,761	9.42	0.38	62
CIP0063	Rider Lane Tree Planting	Urban Tree Planting	Apr 2015	\$18,302	9.42	0.38	62
HA18ALN000006	Woodbridge Stream Restoration	Stream Restoration (Coastal Plain)	Apr 2015	\$619,242	92.78	84.12	18,716
	Patterson Mill High School Tree Planting II	Urban Tree Planting	Apr 2015	\$25,519	15.07	0.61	99
	Amoss Mill Road Tree Planting II	Urban Tree Planting	Apr 2015	\$6,291	2.59	0.10	17

	Edwards Lane Tree Planting II	Urban Tree Planting	Apr 2015	\$30,772	21.10	0.85	139
	Red Pump Elementary School Tree Planting II	Urban Tree Planting	Apr 2015	\$17,742	8.10	0.33	53
	Magnolia Middle School Tree Planting II	Urban Tree Planting	Apr 2015	\$12,267	5.79	0.23	38
CIP0061	Amoss Mill Road Tree Planting	Urban Tree Planting	Oct 2014	\$8,448	2.21	0.09	15
CIP0060	Edwards Lane Tree Planting	Urban Tree Planting	Oct 2014	\$25,952	11.96	0.48	79
CIP0062	Harford Christian School Tree Planting	Urban Tree Planting	Oct 2014	\$15,972	7.77	0.31	51
CIP0056	Magnolia Middle School Tree Planting	Urban Tree Planting	Apr 2014	\$5,295	2.83	0.11	19
CIP0054	Mt Soma Property Tree Planting	Urban Tree Planting	Apr 2014	\$28,684	11.96	0.48	79
CIP0058	North Harford High School Tree Planting	Urban Tree Planting	Apr 2014	\$3,593	1.88	0.08	12
CIP0059	Perryman Wellfield Tree Planting	Urban Tree Planting	Apr 2014	\$43,183	22.47	0.91	148
CIP0049	Churchville Recreation Complex Tree Planting	Urban Tree Planting	Oct 2013	\$7,434	3.01	0.12	20
CIP0053	Harford Center Tree Planting	Urban Tree Planting	Oct 2013	\$9,983	2.68	0.11	18
CIP0048	Heaven Waters Boulton Street Tree Planting	Urban Tree Planting	Oct 2013	\$7,546	2.45	0.10	16
CIP0050	Walters Mill Tree Planting	Urban Tree Planting	Oct 2013	\$31,099	13.42	0.54	88
CIP0057	Patterson Mill High School Tree Planting	Urban Tree Planting	Apr 2013	\$23,688	10.13	0.41	67

Totals \$3,570,582 2,267.81 409.88 129,773

Note: Harford County restoration plan for Chesapeake under revision

2025 Target

TBD

TBD

TBD

% of target



Harford Streams is a program developed and administered through Harford County Department of Public Works

Harford County, MD Department of Public Works
 Watershed Protection and Restoration
 Bynum Run Watershed Stormwater Load Reduction Status (MS4 Permit 11-DP-3310)



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CIPid	Project	Project Type	Completed	Cost	TSS Reduced (lb/yr)
CIP0057	Patterson Mill High School Tree Planting	Urban Tree Planting	Apr 2013	\$23,688	67
	Patterson Mill High School Tree Planting II	Urban Tree Planting	Apr 2015	\$25,519	12

Totals \$49,207 79

Note: Harford County restoration plan for Bynum Run under revision

2025Target TBD

% of target



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