



VIA REGULAR AND ELECTRONIC MAIL

December 27, 2017

Ms. Alison R. Moody
Maine Department of Environmental Protection
312 Canco Road
Portland, Maine 04103

RE: Revisions to Long Creek Watershed Management Plan

Dear Alison:

I am writing with respect to Condition #1 of the *General Permit – Post Construction Discharge of Stormwater in the Long Creek Watershed* (W-9052-5Y-B-N), issued by the Maine Department of Environmental Protection (“Maine DEP”) on April 15, 2015, which requires implementation of the *Long Creek Watershed Management Plan* (“Management Plan”). Specifically, this correspondence concerns section 5.2, Structural Management Opportunities for the Built Environment, and section 5.4, Restoration Opportunities for the Aquatic Environment, of the Management Plan. In anticipation of the end of the present permit cycle in June of 2020, the Long Creek Watershed Management District (“LCWMD”) is seeking to clarify its obligations under the Management Plan by reaching an understanding with Maine DEP as to what obligations have been fulfilled, and which remain, with respect to sections 5.2 and 5.4 of the Management Plan. In some cases, this requires arriving at a common understanding that projects constructed meet the requirements of those identified the Management Plan, while in other cases this correspondence constitutes a request for amendments to the Management Plan.

Structural Management Opportunities for the Built Environment

Section 5.2 of the Management Plan concerns structural stormwater management opportunities for the built environment with the stated goal of treating stormwater from 150 acres of impervious area within the watershed. Pages 52–60 of the Management Plan identify specific retrofits for each of nine identified “Priority Subcatchments.” Within each subcatchment, the retrofit projects are allocated among three tiers, Tier 1, Tier 2, and Tier 3, with Tier 3 recommendations only being implemented if Long Creek continues to fail to meet water quality standards after completion of other structural, non-structural, riparian, in-stream, and geomorphic enhancement projects. As a result of identified efficiencies in implementing Tier 1, Tier 2, and Tier 3 recommendations simultaneously, some Tier 3 recommendations have already been implemented as part of Tier 1/Tier 2 projects.

For illustrative purposes, please find attached a Structural BMP Inventory and a table of Treated Impervious Cover by Catchment. The Structural BMP Inventory reflects the structural treatment

projects identified in the Management Plan and their status as to whether they have been constructed, have not been constructed, are planned for construction, or have been subject to prior amendments. For completed projects, the Structural BMP Inventory identifies the catchment, the BMP number as identified in the Management Plan, the type of BMP identified to be constructed in the Management Plan, the description of the BMP constructed, the year the project was completed, and identification of the original source material upon which LCWMD is relying for the type of BMP constructed and date completed, as well as relevant notes.

The Treated Impervious Cover by Catchment spreadsheet reflects the impervious area treated by the structural projects identified in the inventory. As reflected in the spreadsheet, structural projects constructed to date are treating approximately 101.34 acres of impervious cover, while projects anticipated to be constructed will treat an additional 47.4 acres, for a total of 148.74 acres treated. LCWMD is seeking acknowledgment from Maine DEP that the Tier 1, Tier 2, and Tier 3 structural projects completed to date, in addition to the projects identified as to be completed, satisfy the goal of treating 150 acres of impervious area with the Long Creek Watershed in accordance with section 5.2 of the Management Plan.

Restoration Opportunities for the Aquatic Environment

Section 5.4 of the Management Plan identifies in-stream habitat, riparian habitat, and floodplain restoration recommendations. For illustrative purposes, please find attached an In-Stream and Riparian Project Inventory reflecting the restoration projects identified in the original Management Plan and their status as to whether they have been constructed, have not been constructed, or are planned for construction. For completed projects, the In-Stream and Riparian Project Inventory identifies the location of the project, the scope of the project as identified in the Management Plan, the scope of the project as constructed, the year the project was completed, and identification of the original source material upon which LCWMD is relying for the scope of the project constructed and date completed, as well as relevant notes.

The Management Plan identified ten specific restoration projects to be undertaken. Of the ten identified projects, three have been undertaken including the Goodyear Branch (a.k.a Blanchette Brook), South Branch (upper) (parallel to Philbrook Avenue), and Lower Long Creek “A” (Foden Road to Clark’s Pond) projects. The restoration projects identified as Lower Long Creek “B” (Foden Road mid-way to Turnpike) and Lower Long Creek “C” (Turnpike mid-way to Foden Road) are presently in the design phase with construction to take place in 2018.

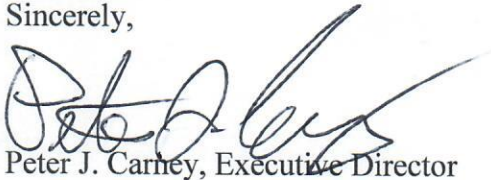
As you are aware, based on the recommendation by the Expert Review Panel (“ERP”) convened by LCWMD in 2014 and 2015, the scope of the Lower Long Creek “B” and Lower Long Creek “C” restoration projects have expanded from those originally contemplated in the Management Plan. The ERP’s recommendation to LCWMD was to focus its restoration efforts and funding in reaches of Long Creek that stand the best chance of meeting water quality standards. The ERP specifically identified the Main Stem of Long Creek between Maine Mall Road and Foden Road as the priority focus. The “conceptual design” for this reach of the Main Stem, developed as part of the ERP process, is presently the subject of a contract to complete the design, engineering, and permitting for the project. LCWMD anticipates construction of this project in 2018.

As a result of the expanded Main Stem restoration project being undertaken, LCWMD is seeking Maine DEP's approval to amend section 5.4 of the Management Plan to eliminate the following restoration projects in lieu of the larger scope of the Lower Long Creek "B" and Lower Long Creek "C" restoration projects: Upper Long Creek (Sable Oaks to Spring St.; Main Stem above Goodyear); North Branch (lower) (Main Stem confluence to Foden Road); Middle Long Creek (Goodyear Branch to Turnpike); South Branch (lower) (Clark's Pond retail area); and North Branch (middle) (immediately upstream of Foden Road). With respect to the three outstanding projects for the Main Stem, the ERP recommended that the Lower Long Creek projects take priority. The ERP also recommended that focus shift from the remaining three projects, in the North Branch and South Branch of Long Creek, because the primary issues in these reaches appear to be related to water quality rather than flow and habitat.

The LCWMD Board of Directors authorized submission of the Structural BMP Inventory and In-stream and Riparian Project Inventory to Maine DEP for the purposes stated herein at its October 11, 2017 meeting. To the extent that the requests in this correspondence constitute amendments to the Management Plan, the Board of Directors approved the amendments and authorized the undersigned to submit the request herein to Maine DEP for approval.

If you would like to meet to discuss the requests in this correspondence, or if you have any questions or concerns, please contact me by phone at (207) 894-4320 or electronic mail to pcarney@restorelongcreek.org.

Sincerely,



Peter J. Carney, Executive Director

Cc: Jeff Dennis, Maine Department of Environmental Protection (via email only)
Don Witherill, Maine Department of Environmental Protection (via email only)
Fred Dillon, Board Chair, Long Creek Watershed Management District (via email only)

Structural BMP Inventory

PROJECT	IDENTIFIED IN PLAN	DESCRIPTION OF CONSTRUCTED BMP	COMPLETED	SOURCE	NOTES
<i>Note: Best Management Practice (BMP) identification numbers with the prefix "LCWMD" are managed and maintained by the Long Creek Watershed Management District; BMP identification numbers without this prefix are privately owned, managed, and maintained.</i>					
	= Constructed				
	= Planned for construction				
	= Not Constructed; not planned for construction				
	= Deleted as part of prior plan amendment				
Catchment E-34					
Tier 1					
SPO_038	Gravel Wetland		Eliminated July 9, 2010 Amendment	Maine DEP Approval Letter July 9, 2010	
Tier 2					
SPO_028	Soil Media Filter		Eliminated July 9, 2010 Amendment	Maine DEP Approval Letter July 9, 2010	
SPO_037	Esplanade Box Filter		Eliminated July 9, 2010 Amendment	Maine DEP Approval Letter July 9, 2010	
SPO_036	Soil Media Filter		Eliminated July 9, 2010 Amendment	Maine DEP Approval Letter July 9, 2010	
SPO_035	Diversion to Buffer		Eliminated July 9, 2010 Amendment	Maine DEP Approval Letter July 9, 2010	
Tier 3 (Additional Treatment for Impervious Area)					
Additional Treatment for Impervious Area			Not Constructed		
Catchment E-24					
Tier 1					
SPO_034	Wet Pond		Planned for 2020		BMP67-02; "Hannaford Basin"
GGP Wet Pond	End of Pipe Wet Pond Retrofit	Engineered Gravel Wetland	2015	As-Built 12/09/2016	LCWMD BMP58-05
Tier 2					
SPO_030	Soil Media Filter		Eliminated July 9, 2010 Amendment	Maine DEP Approval Letter July 9, 2010	
SPO_089	Dry Detention		Not Constructed		
Tier 3 (Additional Treatment for Impervious Area)					
Additional LCWMD BMP		ADS StormTech Infiltration & Treatment	2009	As-Built 12/08/2009	LCWMD BMP28-09; E-14+E-24
Additional LCWMD BMP		Stormtreat Treatment System	2009	As-Built 12/08/2009	LCWMD BMP58-01; E-07+E-20+E-24
Additional LCWMD BMP		Stormtreat Treatment System	2009	As-Built 12/08/2009	LCWMD BMP58-02; E-07+E-20+E-24
Additional LCWMD BMP		Stormtreat Treatment System	2009	As-Built 12/08/2009	LCWMD BMP58-03; E-07+E-20+E-24
Additional LCWMD BMP		Stormtreat Treatment System	2009	As-Built 12/08/2009	LCWMD BMP58-04; E-22 + E-24
Additional LCWMD BMP		ADS StormTech Infiltration & Treatment	2009	As-Built 12/08/2009	LCWMD BMP58-06; E-22 + E-24
Additional LCWMD BMP		ADS StormTech Infiltration & Treatment	2009	As-Built 12/08/2009	LCWMD BMP58-07; E-07+E-20+E-24
Additional LCWMD BMP		CONTECH Filterra Bioretention System	2009	As-Built 12/08/2009	LCWMD BMP402-04; E-14; Philbrook
Additional LCWMD BMP		ADS StormTech Infiltration & Treatment	2009	As-Built 12/08/2009	LCWMD BMP28-08; E-16; GGP - Maine Mall LLC
Additional LCWMD BMP		CONTECH Filterra Bioretention System	2009	As-Built 12/08/2009	LCWMD BMP402-03; E-16; Philbrook
Additional LCWMD BMP		Stormtreat Treatment System	2009	As-Built 12/08/2009	LCWMD BMP28-01; E-18; GGP - Maine Mall LLC
Additional LCWMD BMP		ADS StormTech Infiltration & Treatment	2009	As-Built 12/08/2009	LCWMD BMP28-06; E-18; GGP - Maine Mall LLC
Additional LCWMD BMP		CONTECH Filterra Bioretention System	2009	As-Built 12/08/2009	LCWMD BMP28-02; E-20; GGP - Maine Mall LLC
Additional LCWMD BMP		ADS StormTech Infiltration & Treatment	2009	As-Built 12/08/2009	LCWMD BMP28-05; E-20; GGP - Maine Mall LLC
Catchment A1-03					
Tier 2					
SPO_010	Esplanade Box Filter		Not Constructed		
SPO_011	Esplanade Box Filter	CONTECH Filterra Bioretention System	2014	As-Built 05/20/2016	LCWMD BMP208-02; moved across Maine Mall Road
SPO_013	Esplanade Box Filter	CONTECH Filterra Bioretention System	2014	As-Built 05/20/2016	LCWMD BMP208-03
SPO_014	Esplanade Box Filter		Not Constructed		Intended location not shown in WMP
SPO_015	Soil Media Filter	Underdrained Soil Filter	2014	As-Built 05/20/2016	LCWMD BMP208-05
SPO_016	Esplanade Box Filter	CONTECH Jellyfish Filter	2014	As-Built 05/20/2016	LCWMD BMP208-04
Tier 3 (Additional Treatment for Impervious Area)					
Additional treatment for Parcel 68_6B Parking Area			Not Constructed		
Catchment A1-14					
Tier 1					
SPO_063	Diversion to Buffer	Diversion Inlet	2014	As-Built 05/20/2016	(No BMP ID)

Structural BMP Inventory

PROJECT	IDENTIFIED IN PLAN	DESCRIPTION OF CONSTRUCTED BMP	COMPLETED	SOURCE	NOTES
SPO_064	Soil Media Filter	Rain Garden/Bioretenion Cell	2014	As-Built 05/20/2016	LCWMD BMP208-12
Tier 2					
SPO_059	Esplanade Box Filter	CONTECH Filterra Bioretention System	2014	As-Built 05/20/2016	LCWMD BMP208-06
SPO_060	Soil Media Filter	Underdrained Soil Filter	2014	As-Built 05/20/2016	LCWMD BMP208-07
SPO_071	Esplanade Box Filter	CONTECH Filterra Bioretention System	2014	As-Built 05/20/2016	LCWMD BMP208-11
SPO_072	Esplanade Box Filter	CONTECH Jellyfish Filter	2014	As-Built 05/20/2016	LCWMD BMP208-08
SPO_073	Esplanade Box Filter		Not Constructed		
Tier 3 (Implement Additional Water Quality Retrofits Along Maine Mall Road)					
SPO_061	Esplanade Filter Box	CONTECH Filterra Bioretention System	2014	As-Built 5/20/2016	LCWMD BMP208-09
SPO_062	Dry Detention		Not Constructed		Intended location not shown in WMP
SPO_065	Esplanade Filter Box	CONTECH Filterra Bioretention System	2014	As-Built 5/20/2016	LCWMD BMP208-10
SPO_070	Esplanade Filter Box	CONTECH Filterra Bioretention System	2014	As-Built 5/20/2016	LCWMD BMP208-13
SPO_074	Esplanade Filter Box	CONTECH Filterra Bioretention System	2014	As-Built 5/20/2016	LCWMD BMP208-15
SPO_098	Esplanade Filter Box		Not Constructed		Intended location not shown in WMP
Additional LCWMD BMP		CONTECH Jellyfish Filter	2014	As-Built 5/20/2016	LCWMD BMP208-14
Catchment A1-05					
Tier 1					
SPO_006	Below Grade Storage with Filter; Soil Media Filter (above SPO_006)	Underdrained Soil Filter	2010	As-Built 09/17/2010	LCWMD BMP57-16
SPO_039					
Tier 2					
SPO_001	Soil Media Filter	Stormtreat Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-06
SPO_002	Soil Media Filter	Stormtreat Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-07
		Stormtreat Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-08
		Stormtreat Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-09
		Stormtreat Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-10
		Stormtreat Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-11
		Stormtreat Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-12
		Stormtreat Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-13
		Stormtreat Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-14
		Stormtreat Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-15
		ADS StormTech Infiltration & Treatment	2010	As-Built 09/17/2010	LCWMD BMP57-18
SPO_003	Esplanade Box Filter		Not Constructed		
SPO_005	Below Grade Treatment Train		Not Constructed		
SPO_007	Soil Media Filter	Underdrained Soil Filter	2010	As-Built 09/17/2010	LCWMD BMP49-02
Tier 3 (Integration of Tier 1 and Tier 2)					
Additional LCWMD BMP		Hydro International Downstream Defender Treatment System	2010	As-Built 09/17/2010	LCWMD BMP 49-01; A1-06; Colby E. Marvin Saco Trust
Additional LCWMD BMP		Hydro International Downstream Defender Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-01
Additional LCWMD BMP		Hydro International Downstream Defender Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-02
Additional LCWMD BMP		Hydro International First Defense Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-03
Additional LCWMD BMP		ADS Storm-Pure Catch Basin Insert	2010	As-Built 09/17/2010	LCWMD BMP57-04
Additional LCWMD BMP		Hydro International First Defense Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-18
Additional LCWMD BMP		Hydro International Downstream Defender Treatment System	2010	As-Built 09/17/2010	LCWMD BMP57-17
Catchment C-08					
Tier 1					
SPO_018	Gravel Wetland	Engineered Gravel Wetland	2013	As-Built 01/11/2014	LCWMD BMP98-01
Tier 2					
SPO_019	Gravel Wetland	Retention Basin/Wet Pond	2013	As-Built 12/10/2013	BMP87-03
Tier 3 (Additional Treatment for Impervious Area)					
Additional Private BMP		Underdrained Soil Filter	2013	Design 05/14/2013	BMP87-01; Texas Instruments
Additional Private BMP		Underdrained Soil Filter	2013	Design 05/14/2013	BMP87-02; Texas Instruments
Additional Private BMP		Retention Basin/Wet Pond	2013	Design 05/14/2013	BMP87-04; Texas Instruments
Additional Private BMP		Vegetated Swale	2013	Design 05/14/2013	BMP87-06; Texas Instruments
Catchment C-11					
Tier 1					
SPO_126	Esplanade Box Filter	CONTECH Filterra Bioretention System	2010	As-Built 02/15/2011	LCWMD BMP62-01 LCWMD BMP62-02
SPO_127	Soil Media Filter	Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP62-07
SPO_128	Dry Detention		Not Constructed		

Structural BMP Inventory

PROJECT	IDENTIFIED IN PLAN	DESCRIPTION OF CONSTRUCTED BMP	COMPLETED	SOURCE	NOTES
SPO_133	Soil Media Filter	Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP93-02
SPO_134	Soil Media Filter	Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP92-01
SPO_135	Esplanade Box Filter	CONTECH Filterra Bioretention System	2010	As-Built 02/15/2011	LCWMD BMP405-02
SPO_136	Esplanade Box Filter	CONTECH Filterra Bioretention System	2010	As-Built 02/15/2011	LCWMD BMP405-01
Tier 2					
Darling Avenue WQ Improvements		CONTECH Filterra Bioretention System	2010	As-Built 02/15/2011	LCWMD BMP405-02; C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-03; C-03 + C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-04; C-05 + C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-05; C-05 + C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-06; C-07 + C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-07; C-07 + C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-08; C-07 + C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-09; C-07 + C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-10; C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-11; C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-12; C-11
Darling Avenue WQ Improvements		Underdrained Soil Filter	2010	As-Built 02/15/2011	LCWMD BMP405-13; C-11
Darling Avenue WQ Improvements		CONTECH Filterra Bioretention System	2010	As-Built 02/15/2011	LCWMD BMP62-03; C-11
Tier 3 (Additional Treatment for Impervious Area)					
Additional Treatment for Impervious Area			Not Constructed		
Catchment E-02					
Tier 2					
SPO_097	Esplanade Box Filter		Not Constructed		
SPO_096	Esplanade Box Filter		Not Constructed		
SPO_094	Esplanade Box Filter		Not Constructed		
SPO_093	Esplanade Box Filter		Not Constructed		
SPO_095	Esplanade Box Filter		Not Constructed		
SPO_091	Esplanade Box Filter		Not Constructed		
SPO_092	Esplanade Box Filter		Not Constructed		
Tier 3 (Additional Treatment for Impervious Area)					
Additional Private BMP		Porous Pavement	2009	Design 05/29/2009	Maine DOT Project
Catchment B-21					
Tier 1					
WB_007	Gravel Wetland	Engineered Gravel Wetland	2012	As-Built 11/09/2012	LCWMD BMP114-01
Tier 2					
WB_002	Gravel Wetland	Underdrained Soil Filter	2012	As Built 11/09/2012	LCWMD BMP113-02
WB_004	Gravel Wetland	Underdrained Soil Filter	2012	As Built 11/09/2012	LCWMD BMP113-01
WB_001	Dry Detention	Underdrained Soil Filter	2012	As Built 11/09/2012	None.
WB_003	Gravel Wetland	Underdrained Soil Filter	2012	As Built 11/09/2012	LCWMD BMP112-02
Tier 3 (Additional Storage Treatment and Pervious Area Management)					
Additional LCWMD BMP		Brentwood StormTank Stormwater Storage System	2012	As Built 11/09/2012	LCWMD BMP117-01; B-21
Additional LCWMD BMP		ADS StormTech Infiltration & Treatment	2012	As Built 11/09/2012	LCWMD BMP118-01; B-21
Additional LCWMD BMP		Vegetated Swale	2012	As Built 11/09/2012	LCWMD BMP501-02; B-21
Additional LCWMD BMP		Vegetated Swale	2012	As Built 11/09/2012	LCWMD BMP112-03; B-21 + B-22
Additional LCWMD BMP		ADS StormTech Infiltration & Treatment	2012	As Built 11/09/2012	LCWMD BMP112-01; B-21 + B-22
Additional LCWMD BMP		Vegetated Swale	2012	As Built 11/09/2012	LCWMD BMP501-01; B-22; Thomas Drive
Other					
"Maine Mall Road"					
Additional LCWMD BMP		CONTECH Filterra Bioretention System	2014	As-Built 05/20/2016	LCWMD BMP208-16; not in catchment; Maine Mall Road
Additional LCWMD BMP		CONTECH Filterra Bioretention System	2014	As-Built 05/20/2016	LCWMD BMP208-17; C-01; Maine Mall Road
Additional LCWMD BMP		Underdrained Soil Filter	2014	As-Built 05/20/2016	LCWMD BMP208-01; A1-17; Maine Mall Road
"Gorham Road"					
Additional LCWMD BMP		Rain Garden/Bioretention Cell	2014	As-Built 05/20/2016	LCWMD BMP206-01; A1-17; Gorham Road
Additional LCWMD BMP		Rain Garden/Bioretention Cell	2014	As-Built 05/20/2016	LCWMD BMP206-02; A1-17; Gorham Road
Additional LCWMD BMP		Rain Garden/Bioretention Cell	2014	As-Built 05/20/2016	LCWMD BMP206-03; not in catchment; Gorham Road
Additional LCWMD BMP		Rain Garden/Bioretention Cell	2014	As-Built 05/20/2016	LCWMD BMP206-04; not in catchment; Gorham Road
Additional LCWMD BMP		Rain Garden/Bioretention Cell	2014	As-Built 05/20/2016	LCWMD BMP206-05; E-48; Gorham Road
Additional LCWMD BMP		Rain Garden/Bioretention Cell	2014	As-Built 05/20/2016	LCWMD BMP206-06; E-48; Gorham Road
Additional LCWMD BMP		Rain Garden/Bioretention Cell	2014	As-Built 05/20/2016	LCWMD BMP411-07; E-48; Gorham Road
"Port Resources"					
Additional LCWMD BMP		Underdrained Soil Filter	2012	As-Built 09/10/2012	LCWMD BMP135-02; Port Resources
Additional LCWMD BMP		Underdrained Soil Filter	2012	As-Built 09/10/2012	LCWMD BMP135-03; Port Resources
Additional LCWMD BMP		Underdrained Soil Filter	2012	As-Built 09/10/2012	LCWMD BMP135-06; Port Resources

Treated Impervious Cover by Catchment

Catchment	Project	Completed by 2020	Goal	Difference
E-34				
	SPO-038 "Hannaford Basin" (to be integrated into SPO_034)	8.4		
	E-34 TOTAL	8.4	8.4	0
E-24				
	Philbrook Avenue	2.12		
	Maine Mall Gravel Wetland	28.29		
	SPO-034 Gravel Wetland	39		
	E-24 TOTAL	69.41	74	-4.59
A1-03				
	Maine Mall Road - Guitar Center to Mallside Plaza	2.72		
	A1-03 TOTAL	2.72	8	-5.28
A1-14				
	Maine Mall Road - Darling Ave to Guitar Center	4.73		
	A1-14 TOTAL	4.75	2.5	2.25
A1-05				
	Mall Plaza I & II	16.41		
	A1-05 TOTAL	16.41	10	6.41
C-11				
	Darling Avenue I & II	7.21		
	C-11 TOTAL	7.21	4.6	2.61
E-02				
	Maine Mall Road Porous Pavement	2.95		
	E-02 TOTAL	2.95	12.2	-9.25
B-21				
	Colonel Westbrook	16.39		
	B-21 TOTAL	16.39	15.3	1.09
C-08				
	Fairchild/Texas Instruments	17.47		
	C-08 TOTAL	17.47	14.8	2.67
Other				
	Maine Mall Road (outside of priority catchments)	0.97		
	Port Resources	1.97		
	Gorham Road	1.06		
	Other TOTAL	3.03	0	3.03
	GRAND TOTAL	148.74	149.8	-1.06

In-Stream and Riparian Project Inventory

PROJECT	IDENTIFIED IN PLAN	DESCRIPTION OF CONSTRUCTED BMP	COMPLETED	SOURCE	NOTES
	= Constructed				
	= Planned for construction				
	= Not Constructed; not planned for construction				
(1) Goodyear Branch a/k/a Blanchette Brook	Vegetation; Wood/Boulder	Stream Corridor Enhancements	2011	Design 07/15/2011	
(2) Upper Long Creek (Sable Oaks to Spring St.; Main Stem above Goodyear)	Vegetation; Wood/Boulder		Not Constructed		Delete project in lieu of expanded main stem restoration
(3) South Branch (parallel to Philbrook)	Vegetation	Vegetation	2009	Design 08/24/2009	Pre--LCWMD; project undertaken by CCSWCD.
(4) Lower Long Creek "B" (Foden to mid-way Turnpike)	Wood/Boulder; Floodplain		Planned for 2018		
(5) North Branch (lower) Main Stem to Foden	Wood/Boulder		Not Constructed		Delete project in lieu of expanded main stem restoration
(6) Middle Long Creek (Goodyear to Turnpike)	Wood/Boulder; Easement		Not Constructed		Delete project in lieu of expanded main stem restoration
(7) Lower Long Creek "C" Turnpike (mid-way to Foden)	Vegetation; Wood/Boulder		Planned for 2018		
(8) Lower Long Creek "A" (Foden to Clark's Pond)	Wood/Boulder; Floodplain	Wood	2014	Design 10/02/2014	
(9) South Branch (lower) (Clark's Pond retail)	Wood/Boulder; Culvert; Invasives		Not Constructed		Delete project in lieu of expanded main stem restoration
(10) North Branch (middle) (upstream of Foden)	Wood/Boulder; Culvert		Not Constructed		Delete project in lieu of expanded main stem restoration