

## **Introduction**

December 6, 2013

David Gray

USEPA Region 1

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Suite 100, Mail Code #OEP06-1

Boston, MA 02110

Subject: Semi Annual Submittal under MassDOT's Impaired Waters Program

Dear Mr. Gray,

As part of MassDOT's Impaired Waters Program, the attached report documents MassDOT's activities between June 2013 and December 2013. In the last six months, MassDOT's Impaired Waters Program has generated 75 assessments of impaired receiving waters, including those performed for upcoming programmed (planned) roadway construction projects. Prioritizing assessments for programmed projects maximizes efficiency of the overall program by identifying the potential need for additional stormwater best management practices (BMPs) during the design process.

This memo outlines the progress made towards the MassDOT commitment to assess the 684 impaired water bodies listed in Appendix L-1 of MassDOT's June 9, 2010 and July 23, 2010 submittals to EPA. MassDOT is completing the assessments using the methodologies outlined in BMP 7U: Impaired Waters Assessment and Mitigation Plan and/ or BMP 7R: TMDL Watershed Review. Assessments that do not require further design of BMPs to meet the target Impervious Cover (IC) or pollutant loading are considered final. For assessments where it is determined that further action is necessary to meet the target IC or pollutant loading reductions, MassDOT uses three steps to complete the assessment.

**Step 1 Progress Report.** The progress report assessment includes an evaluation of the potential contribution of stormwater from MassDOT urban roads and a calculation of the target reduction of effective impervious area and/or pollutant loading, taking into account existing BMPs. If existing BMPs are sufficient to meet the target, the assessment meets the EPA evaluation requirements and is considered final.

**Step 2 Progress to Final Report.** The steps between assessment and completing the design, which can take 6 to 18 months depending on the project size and complexity, include: survey, gathering site specific information, and design and permitting of the BMPs. Once the designs have reached the point that designers can calculate the pollutant or impervious cover reduction

provided by the proposed BMPs, the assessments are finalized. Assessments at this second stage are identified as “progress to final” assessments, which provide a summary of the progress report assessment and the drainage design information.

Step 3 Final Report. The final report assessment includes the same steps as the Progress Report but then includes the proposed BMPs and estimated treatment provided.

The measurable goal set for BMP 7R committed MassDOT to annually review 20% of the 209 impaired waters with a TMDL. Table 1 summarizes the progress reports and final reports submitted as of this report to provide a holistic view of the progress made towards performing assessments for those water bodies listed in Appendix L-1 and towards meeting the commitments in the first three and a half years of the program.

## Tables 1 through 5

**Table 1 Progress and Final Assessments for Water Bodies on Appendix L-1**

Assessment Type	TMDL Status	Previous Submittals (#)	December 2013 Submittal (#)	Total (#)	% of Total Water Bodies
TMDL Method	Impaired Water Bodies with TMDLs*	15	3	18	
IC Method**	Impaired Water Bodies with TMDLs*	13	5	18	
TMDL and IC Method	Impaired Water Bodies with TMDLs*	10	1	11	
No Discharge	Impaired Water Bodies with TMDLs*	68	2	70	
Pathogen Only	Impaired Water Bodies with TMDLs*	0	19	19	
Other	Impaired Water Bodies with TMDLs*	21	0	21	
Total	Impaired Water Bodies with TMDLs*	127	30	157	75%
IC Method	Impaired Water Bodies without TMDLs*	81	26	107	
<9% IC	Impaired Water Bodies without TMDLs*	32	0	32	
No Discharge	Impaired Water Bodies without TMDLs*	165	9	174	
Pathogen Only	Impaired Water Bodies without TMDLs*	0	10	10	
Other	Impaired Water Bodies without TMDLs*	28	0	28	
TMDL Method***	Impaired Water Bodies without TMDLs*	1	0	1	
TMDL and IC Method	Impaired Water Bodies without TMDLs*	3	0	3	
Total	Impaired Water Bodies without TMDLs*	310	45	355	
Total	Total	437	75	512	75%

\* TMDL listing as included in Appendix L-1

\*\* The TMDL for these water bodies was for pathogens. Therefore, the IC method was used to address the other listed impairments for the water body and the assessments addressed pathogens programmatically.

\*\*\* TMDL has been finalized for the receiving water since the submittal of Appendix L-1. Therefore, the TMDL method was used for the assessment.

Table 2a and Table 2b are a subset of Table 1, but they also include “progress to final” reports, whereas Table 1 does not. Table 2a summarizes the assessments that have been finalized (either initially or as a “progress to final report”). A complete listing of the impaired waters with final assessments included in this submittal appears in Table 6 at the end of this letter.

Table 2a Final Assessments for Water Bodies in Appendix L-1

Assessment Type	TMDL Status	Previous Submittals (#)	December 2013 Submittal (#)	Total (#)
TMDL Method	Impaired Water Bodies with TMDLs*	11	4	15
IC Method**	Impaired Water Bodies with TMDLs*	5	3	8
TMDL and IC Method	Impaired Water Bodies with TMDLs*	7	1	8
No Discharge	Impaired Water Bodies with TMDLs*	68	2	70
Pathogen Only	Impaired Water Bodies with TMDLs*	0	19	19
Other	Impaired Water Bodies with TMDLs*	21	0	21
Total	Impaired Water Bodies with TMDLs*	112	29	141
IC Method	Impaired Water Bodies without TMDLs	33	25	58
<9% IC	Impaired Water Bodies without TMDLs	32	0	32
No Discharge	Impaired Water Bodies without TMDLs	165	9	174
Pathogen Only	Impaired Water Bodies without TMDLs	0	10	10
Other (non-stormwater)	Impaired Water Bodies without TMDLs	28	0	28
TMDL Method***	Impaired Water Bodies without TMDLs	1	0	1
TMDL and IC Method	Impaired Water Bodies without TMDLs	2	0	2
Total	Impaired Water Bodies without TMDLs	261	44	305
Total	Total	373	73	446

\* TMDL listing as included in Appendix L-1

\*\* The TMDL for these water bodies was for pathogens. Therefore, the IC method was used to address the other listed impairments for the water body and the assessments addressed pathogens programmatically.

\*\*\* TMDL has been finalized for the receiving water since the submittal of Appendix L-1. Therefore, the TMDL method was used for the assessment.

Table 2b summarizes the assessments that are in the progress report stage. A complete listing of the impaired waters with progress reports included in this submittal appears in Table 7 at the end of this letter.

Table 2b Progress Report Assessments for Water Bodies in Appendix L-1

Assessment Type	TMDL Status	Previous Submittals (#)	December 2013 Submittal (#)	Total (#)
TMDL Method	Impaired Water Bodies with TMDLs	4	1	5
IC Method*	Impaired Water Bodies with TMDLs	8	2	10
TMDL and IC Method	Impaired Water Bodies with TMDLs	3	0	3
Total	Impaired Water Bodies with TMDLs	15	3	18
IC Method	Impaired Water Bodies without TMDLs	48	9**	57
TMDL and IC Method	Impaired Water Bodies without TMDLs	1	0	1
Total	Impaired Water Bodies without TMDL	49	9	58
Total	Total	64	12	76

\*The TMDL for these water bodies was for pathogens which was not applicable to MassDOT's TMDL methodology. Therefore, the IC method was used to address the other listed impairments for the water body and the assessments addressed pathogens programmatically.

\*\*One assessment covers 2 water bodies.

Table 3 below summarizes the assessments that have been submitted in a previous submittal as a progress report and have now been finalized. Designs for these projects have reached the point that the pollutant, or impervious cover, reduction provided by the proposed BMPs can be calculated. These reports provide a summary of the progress report assessment and the drainage design information and are included in Table 6 at the end of this letter.

Table 3 Progress to Final Reports for Water Bodies in Appendix L-1

Assessment Type		Previous Submittals (#)	December 2013 Submittal (#)	Total (#)
TMDL and IC Method	Impaired Water Bodies with TMDLs	0	0	0
IC Method*	Impaired Water Bodies with TMDLs	3	0	3
TMDL Method	Impaired Water Bodies with TMDLs	0	2	2
TMDL and IC Method	Impaired Water Bodies without TMDLs	0	0	0
IC Method	Impaired Water Bodies without TMDLs	12	8	20
Total	Total	15	10	25

\*The TMDL for these water bodies was for mercury which is unrelated to stormwater and not applicable to MassDOT's TMDL methodology. Therefore, the IC method was used to address the other listed impairments for the water body.

MassDOT has implemented the Impaired Waters Program comprehensively and has strived to be proactive, therefore our submittals continue to include assessments for water bodies that were not listed in Appendix L-1 but have since become applicable. While not required under the BMP 7U and 7R commitments made to EPA explicitly, MassDOT has reviewed these water bodies when identified as part of programmed projects or when reviewing larger watershed areas. Tables 4 and 5 are included below to keep track of these "additional" submittals separately to illustrate the breadth of the work being accomplished under the Impaired Waters Program.

Table 4 Final Assessments for Water Bodies Not Included in Appendix L-1

Assessment Type	Previous Submittals (#)	December 2013 Submittal (#)	Total (#)
TMDL Method	3	0	3
<9% IC	3	0	3
No Discharge	1	3	4
IC Method	0	1	1
Other (pathogen)	4	0	4
Other	1	0	1
Total	12	4	16

Table 5 Progress Report Assessments for Water Bodies Not Included in Appendix L-1

Assessment Type	Previous Submittals (#)	December 2013 Submittal (#)	Total (#)
TMDL Method	5	1	6
IC Method	4	1	5
Total	9	2	11

### Overview of Attachments

In March 2013, the *Final Year 2012 Integrated List of Waters* was finalized and issued. In general, some impairments for water bodies changed between the *Final Year 2010 Integrated List of Waters* and *Final Year 2012 Integrated List of Waters*, but most remained the same. For the assessments that were already complete at the time of the final list being issued, we did not include changes from the updated list. The approach used for assessing these waters (the IC method) addresses a range of impairments, and therefore, any changes to the list of impairments is unlikely to impact the conclusion of the assessment. For assessments performed after the impaired waters list was issued, impairments on the *Final Year 2012 Integrated List of Waters* were used.

### Impaired Waters Assessments -- Attachments

This submittal includes the following attachments, showing impaired waters assessments in the categories identified below:

**Final Assessments.** Attachment 1 includes 24 completed assessments for impaired water bodies that required a full assessment.

**Progress Report Assessments.** Attachment 2 includes progress reports of 14 water bodies on Appendix L-1 (one of the assessment covers two of the water bodies) and two water bodies not on Appendix L-1. These progress reports include target reductions in pollutant loading and impervious cover. These assessments will now be forwarded to MassDOT design contractors for design and permitting of BMPs to meet the target reductions to the maximum extent practicable.

These progress reports represent a significant amount of work towards completing the assessment.

Progress to Final Assessments. Attachment 3 includes 10 “progress to final reports” that finalized a previously submitted progress report.

No Discharge from MassDOT Outfalls Assessments. Attachment 4 includes assessments of 14 water bodies where desktop review or field review of the subwatershed found that MassDOT urban roads do not drain directly to the receiving water in question and therefore according to BMP 7U and 7R no further assessment is necessary. Only direct discharges, and not MassDOT properties that drain to other watercourses or segments upstream of the subject water body or stream segment, are included in the assessment.

Final Pathogen Assessments. Attachment 6 includes 29 assessments where the only impairment is pathogens.

## **BMP Design Information**

### **BMP Design**

MassDOT is eager to facilitate the design and construction of BMPs and continue to meet the schedule as more of the program moves into the design and construction phase. Design can take 12-18 months, including identifying a designer, conducting survey, and completing design. Field work associated with permitting and construction schedules is weather dependent, which can result in schedule delays. In order to facilitate this increased design focus, MassDOT advertised for new design consultant contracts and, in March 2013, MassDOT chose five firms to award \$2.5M contracts. This increases the number of design consultants with on-call contracts from three to five. As a result, MassDOT has been able to dramatically increase number of BMPs in design, which increased from 16, in June, to 30 currently.

MassDOT’s design contractors are developing design and construction documents for BMPs proposed in previously submitted assessments and progress reports. Designs are underway to provide additional treatment for impaired waters including those identified below. Table 8 at the end of this letter shows a summary of the progress on design of BMPs recommended in previous assessment submittals or in this submittal.

### **Impaired Waters Project Design Status**

#### **Survey:**

Connecticut River (Subbasins A and B) (Springfield, Holyoke, West Springfield, Chicopee, MA)

Assabet River (Rt. 20, Northborough)

Beaver Brook (Rt. 95, Danvers)

Design:

Lee River (Rt. 103/I-195, Somerset and Swansea)

Mine Brook (Rt. 495, Franklin and Bellingham)

Monatiquot River (Route 3, Braintree)

Rumford River (South Main Street/I-495, Mansfield)

Charles River MA72-07/ Cheesecake Brook (I-90/ I-95, Newton and Weston)

Charles River MA72-07/MA72-36 (I-90, Boston)

Mystic River (Rt. 16/I-93, Arlington, Boston, Medford, Somerville, and Winchester)

Stony Brook (Rt. 202/Rt. 116, Granby and South Hadley)

Greenwood Pond (Rt. 2/Rt. 2a, Templeton)

Norton Reservoir (I-495, Norton and Mansfield)

Robinson Brook (I-95, Foxborough and Mansfield)

French River (Leicester and Oxford, MA)

Texas Pond (Leicester and Oxford, MA)

Thayers Pond (Leicester and Oxford, MA)

Lake Quinsigamond (Worcester and Shrewsbury, MA)

Flint Pond (Shrewsbury, MA)

Connecticut River (subbasin C and D) (Springfield, Agawam and Longmeadow, MA)

Quinebaug River (Rt. 84/Rt. 131, Southbridge)

Shirley Street Pond (Shrewsbury, MA)

Neponset River (I-93, Boston/Milton, MA)

Mill River (Rt. 3 and Rt. 18, Weymouth, MA)

Town Brook (Braintree and Quincy, MA)

Shawsheen River (I-495, Lawrence, N. Andover, Andover, MA)

Blackstone River (Rt. 122, Uxbridge and Millville, MA)

Alewife (Rt.2/Rt. 16, Cambridge)

Mumford River (Rt. 146, Blackstone)

Tatnuck Brook (Rt. 122, Worcester)

Newfield Pond (Rt. 3, Chelmsford)

## **BMP Construction Information**

### **BMP Construction**

MassDOT has twelve projects are currently in the construction phase. MassDOT plans to move retrofit projects currently at the 100% design phase into construction over the next six months. Table 8 shows a summary of the water bodies with projects in construction or complete.

#### **Under Construction:**

Cole River (I-195, Swansea)

Noquochoke Lake (Dartmouth)

Wading River (Rt. 95, Mansfield)

Kettle Brook/ Leesville Pond (I-290/ Rt. 12, Auburn and Worcester)

Dark Brook (I-290/I-190, Auburn)

Saugus River MA93-34 (I-95/Rt. 128, Lynnfield and Wakefield)

Saugus River MA93-35 (I-95/Rt. 128, Lynnfield, Saugus and Wakefield)

Miles River (Rt. 1A, Ipswich)

Westfield River (Rt. 20, Russell and Westfield)

Mine Brook (Rt. 495, Franklin and Bellingham)

Quaboag River (I-90, Palmer)

Rosemary Brook (Needham and Wellesley, MA)

## **Closing**

MassDOT welcomes any input or feedback from the EPA on the assessments and documents included in this and all future progress reports. If you have any questions or concerns, or would like to meet to discuss this submittal, please feel free to contact me at (857) 368-8788.

Sincerely,

Henry Barbaro

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cc:

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## Tables 6 through 8

Table 6 Final Assessments in December 2013 Submittal

Water Body ID	Water Body Name	Water Body included in Appendix L-1 or Report Type	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	No Discharge	<9% IC	Proposed BMPs	Pathogen Only	Site Constraints	Notes
MA51078	Jordan Pond	Water Body included in Appendix L-1	Turbidity [70.1]	Phosphorus	2.1						X	A review of MassDOT's property determined that due to the lack of availability and the limitations of the retrofit initiative the construction of a BMP for the treatment of directly contributing impervious cover is not feasible
MA51110	Newton Pond	Water Body included in Appendix L-1	(Non-Native Aquatic Plants*); Aquatic Plants (Macrophytes) [70.1]	Phosphorus			X					
MA51157	Southwick Pond	Water Body included in Appendix L-1	Aquatic Plants (Macrophytes) [70.1]	Phosphorus			X					
MA51-18	Peters River	Water Body included in Appendix L-1	Copper; Escherichia coli; Lead				X					
MA52-06	Bungay River	Water Body included in Appendix L-1	Fecal Coliform	Pathogens						X		
MA53-03	Palmer River	Water Body included in Appendix L-1	Fecal Coliform [182.0]	Pathogens						X		
MA53-05	Palmer River	Water Body included in Appendix L-1	Fecal Coliform [182.0]	Pathogens						X		
MA53-16	Rocky Run	Water Body included in Appendix L-1	Fecal Coliform [182.0]	Pathogens						X		
MA61-08	Kickamuit River	Water Body included in Appendix L-1	Fecal Coliform [285.0]	Pathogens						X		
MA62-20	Assonet River	Water Body included in Appendix L-1	Fecal Coliform [256.0]	Pathogens						X		

Water Body ID	Water Body Name	Water Body included in Appendix L-1 or Report Type	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	No Discharge	<9% IC	Proposed BMPs	Pathogen Only	Site Constraints	Notes
MA62-38	Meadow Brook	Water Body included in Appendix L-1	Fecal Coliform [256.0]	Pathogens						X		
MA62-50	Broad Cove	Water Body included in Appendix L-1	Fecal Coliform [256.0]	Pathogens						X		
MA62-51	Muddy Cove Brook	Water Body included in Appendix L-1	Fecal Coliform [256.0]	Pathogens						X		
MA62-55	Segregansett River	Water Body included in Appendix L-1	Fecal Coliform [256.0]	Pathogens						X		
MA62-56	Three Mile River	Water Body included in Appendix L-1	Fecal Coliform [256.0]	Pathogens						X		
MA62-57	Three Mile River	Water Body included in Appendix L-1	Fecal Coliform [256.0]	Pathogens						X		
MA73-06	School Meadow Brook	Water Body included in Appendix L-1	Fecal Coliform [121.0]	Pathogens						X		
MA-71-08	Mill Creek	Water Body included in Appendix L-1	(Debris/Floatables/Trash*); Escherichia coli [121.0]; Fecal Coliform [121.0]; Taste and Odor	Pathogens						X		
MA73-17	Traphole Brook	Water Body included in Appendix L-1	Fecal Coliform [121.0]	Pathogens						X		
MA73-24	Purgatory Brook	Water Body included in Appendix L-1	Escherichia coli [121.0]; Fecal Coliform [121.0]	Pathogens						X		
MA73-27	Ponkapoag Brook	Water Body included in Appendix L-1	Escherichia coli [121.0]; Fecal Coliform [121.0]	Pathogens						X		
MA74-15	Town River Bay	Water Body included in Appendix L-1	Fecal Coliform; Other; Oxygen, Dissolved; PCB in Fish Tissue			0.07					X	Limited ROW on Bridge

Water Body ID	Water Body Name	Water Body included in Appendix L-1 or Report Type	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	No Discharge	<9% IC	Proposed BMPs	Pathogen Only	Site Constraints	Notes
MA82015	Carding Mill Pond	Water Body included in Appendix L-1	(Non-Native Aquatic Plants*); Aquatic Plants (Macrophytes); Dissolved oxygen saturation; Excess Algal Growth; Phosphorus (Total)				X					
MA82042	Fort Meadows Brook	Water Body included in Appendix L-1	(Eurasian Water Milfoil, Myriophyllum spicatum*); Chlordane; Phosphorus (Total)				X					
MA82055	Grist Mill Pond	Water Body included in Appendix L-1	(Non-Native Aquatic Plants*); Aquatic Plants (Macrophytes); Dissolved oxygen saturation; Excess Algal Growth; Fecal Coliform; Phosphorus (Total)			0.6			X			9 Infiltration Basins and 1 infiltration swale resulting in effective IC reduction 1.5 acres
MA82056	Hager Pond	Water Body included in Appendix L-1	(Non-Native Aquatic Plants*); Aquatic Plants (Macrophytes); Dissolved oxygen saturation; Excess Algal Growth; Fecal Coliform; Phosphorus (Total); Turbidity			1.4					X	Steep grades, limit ROW, abutting commercial development, and location of outfalls
MA82A-05	Hop Brook	Water Body included in Appendix L-1	Dissolved oxygen saturation; Excess Algal Growth; Oxygen, Dissolved; Phosphorus (Total)			0.15					X	Soil conditions and limited ROW
MA82A-06	Hop Brook	Water Body included in Appendix L-1	Excess Algal Growth; Fecal Coliform; Oxygen, Dissolved; Phosphorus (Total)				X					

Water Body ID	Water Body Name	Water Body included in Appendix L-1 or Report Type	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	No Discharge	<9% IC	Proposed BMPs	Pathogen Only	Site Constraints	Notes
MA82A-07	Concord River	Water Body included in Appendix L-1	(Eurasian Water Milfoil, Myriophyllum spicatum*); (Non-Native Aquatic Plants*); Fecal Coliform; Mercury in Fish Tissue; Phosphorus (Total)	Pathogens		7.2			X			18 water quality swales and 1 extended detention basin, and reuse of 2 existing basins; effective IC reduction 28.6 acres
MA82A-15	Unnamed Tributary	Water Body included in Appendix L-1	Excess Algal Growth; Oxygen, Dissolved; Phosphorus (Total); Total Suspended Solids (TSS)			2					X	Urbanized area, with landscaping, limited space, and MS4 outfall locations
MA82A-16	Unnamed Tributary	Water Body included in Appendix L-1	Dissolved oxygen saturation; Excess Algal Growth; Oxygen, Dissolved; pH, High; Phosphorus (Total); Total Suspended Solids (TSS)			0.9			X			1 water quality swale resulting in effective IC reduction of 0.1 acres
MA82B-04	Assabet River	Water Body included in Appendix L-1	Aquatic Macroinvertebrate Bioassessments; Aquatic Plants (Macrophytes) [201.0]; Excess Algal Growth [201.0]; Fecal Coliform; Fishes Bioassessments; Oxygen, Dissolved [201.0]; Phosphorus (Total) [201.0]	Phosphorus		10.2			X			7 water quality swales and 2 detention basins resulting in effective IC reduction of 16.8 acres
MA82B-07	Assabet River	Water Body included in Appendix L-1	Fecal Coliform; Phosphorus (Total) [201.0]	Phosphorus		4.0			X			3 water quality swales and 2 infiltration basins resulting in an effective IC reduction of 5.4 acres
MA82B-14	Nashoba Brook	Water Body included in Appendix L-1	(Low flow alterations*); Fishes Bioassessments			8.5			X			6 water quality swales resulting in effective IC reduction of 10.8 acres
MA83-01	Shawsheen River	Water Body included in Appendix L-1	(Physical substrate habitat alterations*); Fecal Coliform [122.0]; Oxygen, Dissolved; Sedimentation/Siltation	Pathogens		1.5					X	Limited ROW and no green space

Water Body ID	Water Body Name	Water Body included in Appendix L-1 or Report Type	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	No Discharge	<9% IC	Proposed BMPs	Pathogen Only	Site Constraints	Notes
MA83-06	Vine Brook	Water Body included in Appendix L-1	Fecal Coliform [122.0]	Pathogens						X		
MA83-07	Strong Water Brook	Water Body included in Appendix L-1	Fecal Coliform [122.0]	Pathogens						X		
MA83-10	Kiln Brook	Water Body included in Appendix L-1	Fecal Coliform [122.0]	Pathogens						X		
MA83-14	Spring Brook	Water Body included in Appendix L-1	Fecal Coliform [122.0]	Pathogens						X		
MA83-17	Shawsheen River	Water Body included in Appendix L-1	Fecal Coliform [122.0]; Oxygen, Dissolved	Pathogens		12.5						1 infiltration basin, 1 extended detention basin, 13 water quality basins resulting in effective IC reduction of 23.1 acres
MA84A-21	Deep Brook	Water Body included in Appendix L-1	(Habitat Assessment (Streams)*); Aquatic Macroinvertebrate Bioassessments; Escherichia coli; Fishes Bioassessments; Sedimentation/Siltation			7.9						Existing BMPS treat 11.5 acres; therefore additional BMPS are not necessary.
MA84B-04	Stony Brook	Water Body included in Appendix L-1	Aquatic Macroinvertebrate Bioassessments; Escherichia coli			5.6						Existing BMPS treat 8.4 acres; therefore additional BMPS are not necessary.
MA91-05	Rowley River	Water Body included in Appendix L-1	Fecal Coliform				X					
MA91-11	Little River	Water Body included in Appendix L-1	Fecal Coliform	Pathogens						X		
MA93-32	Hawkes Brook	Water Body included in Appendix L-1	Fecal Coliform	Pathogens						X		
MA93-33	Hawkes Brook	Water Body included in Appendix L-1	Fecal Coliform	Pathogens						X		

Water Body ID	Water Body Name	Water Body included in Appendix L-1 or Report Type	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	No Discharge	<9% IC	Proposed BMPs	Pathogen Only	Site Constraints	Notes
MA93-40	Proctor Brook	Water Body included in Appendix L-1	(Debris/Floatables/Trash*); Fecal Coliform; Foam/Flocs/Scum/Oil Slicks; Taste and Odor				X					
MA93-41	Crane River	Water Body included in Appendix L-1	Fecal Coliform	Pathogens						X		
MA93-48	Bennets Pond Brook	Water Body included in Appendix L-1	Fecal Coliform	Pathogens						X		
MA93-50	Shute Brook	Water Body included in Appendix L-1	Fecal Coliform	Pathogens						X		
MA93-52	Lynn Harbor	Water Body included in Appendix L-1	Fecal Coliform	Pathogens						X		
MA93-53	Lynn Harbor	Water Body included in Appendix L-1	Fecal Coliform	Pathogens						X		
MA71-06	Chelsea River	Water Body included in Appendix L-1	Debris/Floatables/Trash*); Ammonia (Un-ionized); Fecal Coliform; Other; Oxygen, Dissolved; PCB in Fish Tissue; Petroleum Hydrocarbons; Sediment Screening Value (Exceedence); Taste and Odor; Turbidity			18.4					X	Seasonal high groundwater eliminated ability to install BMPs
MA93-44	Saugus River	Water Body included in Appendix L-1	Other flow regime alterations*); Fecal Coliform; Oil and Grease; Temperature, water			10.7					X	Poor soil conditions and seasonal high groundwater
MA36165	Lake Whittemore	Water Body included in Appendix L-1	Turbidity				X					
MA51185	Woodbury Pond	Water Body included in Appendix L-1	Non-Native Aquatic Plants; Aquatic Plants (Macrophytes)				X					

Water Body ID	Water Body Name	Water Body included in Appendix L-1 or Report Type	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	No Discharge	<9% IC	Proposed BMPs	Pathogen Only	Site Constraints	Notes
MA42-05	French River	Water Body included in Appendix L-1	(Debris/Floatables/Trash*); (Other flow regime alterations*); Aquatic Macroinvertebrate Bioassessments; Fecal Coliform			0.04					X	Limited ROW and abutting residential properties
MA42-06	French River	Water Body included in Appendix L-1	Debris/Floatables/Trash*); Aquatic Macroinvertebrate Bioassessments; Fecal Coliform; Other; Sediment Screening Value (Exceedence); Taste and Odor; Turbidity				X					
MA73-16	Hawes Brook	Water Body included in Appendix L-1	(Debris/Floatables/Trash*); Escherichia coli [121.0]; Fecal Coliform [121.0]; Taste and Odor	Pathogens		2.9					X	Limited ROW, high density of residential, and limited access
MA73-20	Beaver Meadow Brook	Water Body included in Appendix L-1	Oxygen, Dissolved			0.6					X	Limited ROW
MA81-02	North Nashua River	Water Body included in Appendix L-1	Ambient Bioassays -- Chronic Aquatic Toxicity; Aquatic Macroinvertebrate Bioassessments; Escherichia coli			14.3			X			4 infiltration basins resulting in an IC target reduction of 2.28 acres
MA81-05	Nashua River	Water Body included in Appendix L-1	Aquatic Macroinvertebrate Bioassessments; Escherichia coli; Phosphorus (Total); Sediment Bioassays -- Acute Toxicity Freshwater			5.2			X			4 Infiltration basins and 2 infiltration swales resulting in an IC target reduction of 1.59 acres
MA84089	Spectacle Pond	Water Body included in Appendix L-1	(Non-Native Aquatic Plants*); Oxygen, Dissolved			0.08					X	Limited ROW

Water Body ID	Water Body Name	Water Body included in Appendix L-1 or Report Type	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	No Discharge	<9% IC	Proposed BMPs	Pathogen Only	Site Constraints	Notes
MA35099	Whites Mill Pond	No	Aquatic Plants (Macrophytes) [123.2]; Mercury in Fish Tissue				X					
MA51-27	Coal Mine Brook	No	(Fish Kills*); Fishes Bioassessments; Sedimentation/Siltation; Temperature, water				X					
MA51-28	Cook Allen Brook	No	Fishes Bioassessments				X					
MA71043	Upper Mystic Lake	No	(Non-Native Aquatic Plants*); Dissolved oxygen saturation; Oxygen, Dissolved			5.5					X	Limited ROW
MA32-05	Westfield River	Progress to Final Report	Aquatic Macroinvertebrate Bioassessments; Excess Algal Growth; Taste and Odor; Turbidity			1.6			X			1 extended detention basin resulting in an effective IC reduction of 2.96 acres. No additional BMPs needed.
MA34-19	Stony Brook	Progress to Final Report	(Non-Native Aquatic Plants*); Escherichia coli; Turbidity			0.2			X			1 infiltration swale which resulted in an effective IC reduction of 0.24 acres. No additional BMPs necessary.
MA35026	Greenwood Pond	Progress to Final Report	Aquatic Plants (Macrophytes) [123.2]	Phosphorus	0.4				X			1 Infiltration Basin resulting in a load reduction of 0.63 lb/yr. No additional BMPS necessary.
MA41-02	Quinebaug River	Progress to Final Report	(Debris/Floatables/Trash*); Excess Algal Growth; Turbidity			2.3			X			infiltration swale, gravel wetland and infiltration basin resulting in an effective IC reduction of 6.91 acres. No additional BMPs needed.

Water Body ID	Water Body Name	Water Body included in Appendix L-1 or Report Type	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	No Discharge	<9% IC	Proposed BMPs	Pathogen Only	Site Constraints	Notes
MA51-04	Blackstone River	Progress to Final Report	(Other flow regime alterations*); (Physical substrate habitat alterations*); Aquatic Macroinvertebrate Bioassessments; Cadmium; Copper; DDT; Escherichia coli; Excess Algal Growth; Fishes Bioassessments; Lead; Nutrient/Eutrophication Biological Indicators; PCB in Fish Tissue; Phosphorus (Total); Sedimentation/Siltation; Taste and Odor; Turbidity			1.0					X	A review of MassDOT's property determined that due to the lack of availability and the limitations of the retrofit initiative the construction of a BMP for the treatment of directly contributing impervious cover is not feasible
MA51050	Flint Pond	Progress to Final Report	(Eurasian Water Milfoil, Myriophyllum spicatum*); (Non-Native Aquatic Plants*); Aquatic Plants (Macrophytes) [115.0]; Turbidity [115.0]	Phosphorus	2.8						X	A review of MassDOT's property determined that due to the lack of availability and the limitations of the retrofit initiative the construction of a BMP for the treatment of directly contributing impervious cover is not feasible
MA51-06	Blackstone River	Progress to Final Report	(Other flow regime alterations*); Cadmium; Copper; DDT; Lead; PCB in Fish Tissue; Phosphorus (Total); Total Suspended Solids (TSS)			1.9					X	A review of MassDOT's property determined that due to the lack of availability and the limitations of the retrofit initiative the construction of a BMP for the treatment of directly contributing impervious cover is not feasible

Water Body ID	Water Body Name	Water Body included in Appendix L-1 or Report Type	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	No Discharge	<9% IC	Proposed BMPs	Pathogen Only	Site Constraints	Notes
MA74-08	Monatiquot River	Progress to Final Report	(Physical substrate habitat alterations*); Aquatic Macroinvertebrate Bioassessments; Fecal Coliform; Oxygen, Dissolved			22.9			X			5 infiltration basins and 1 infiltration trench resulting in effective IC reduction of 9.6 acres
MA92-03	Miles River	Progress to Final Report	Aquatic Macroinvertebrate Bioassessments; Fecal Coliform; Oxygen, Dissolved			0.2			X			1 Infiltration Basin treating an effective IC of 0.43 acres. No additional BMPs necessary.
MA93-10	Forest River	Progress to Final Report				3.5			X		X	Further investigation of MassDOT's property determined that due to site constraints and the limitations of the retrofit initiative, the construction of a BMP impervious cover is not feasible for this segment.

**Table 7 Progress Report Assessments in December 2013 Submittal**

<b>Water Body ID</b>	<b>Water Body Name</b>	<b>Water Body Included on Appendix L-1</b>	<b>Impairment<sup>□</sup></b>	<b>TMDL Impairment</b>	<b>Load Reduction Target TMDL (lb/yr)</b>	<b>Load Reduction Target IC (ac)</b>	<b>Will be Assigned to Designer</b>	<b>Contractor Assigned</b>	<b>Notes</b>
MA34-05	Connecticut River	Yes	Escherichia coli; PCB in Fish Tissue; Total Suspended Solids (TSS)			164.3		Tetrattech/AECOM	
MA35056	Parker Pond	Yes	(Non-Native Aquatic Plants*); Aquatic Plants (Macrophytes) [123.2]	Phosphorus	2.6		X		
MA70-03	Dorchester Bay	Yes	Enterococcus; Fecal Coliform; Other; PCB in Fish Tissue; Total Suspended Solids (TSS); Turbidity			19.5	X		
MA71-05	Malden River	Yes	(Debris/Floatables/Trash*); Chlordane; DDT; Dissolved oxygen saturation; Escherichia coli; Fecal Coliform; Foam/Flocs/Scum/Oil Slicks; Oxygen, Dissolved; PCB in Fish Tissue; pH, High; Phosphorus (Total); Secchi disk transparency; Sediment Bioassays -			0.3	X		
MA73-03	Neponset River	Yes	(Debris/Floatables/Trash*); DDT; Enterococcus [121.0]; Escherichia coli [121.0]; Fecal Coliform [121.0]; Foam/Flocs/Scum/Oil Slicks; Other; Oxygen, Dissolved; PCB in Fish Tissue; Polychlorinated biphenyls	Pathogens		5.7	X		
MA73-04	Neponset River	Yes	(Debris/Floatables/Trash*); Enterococcus [121.0]; Fecal Coliform [121.0]; Other; Oxygen, Dissolved; PCB in Fish Tissue; Turbidity	Pathogens		52.9			AECOM
MA73-22	Pequid Brook	Yes	Oxygen, Dissolved			0.9	X		
MA74-02	Weir River	Yes	(Low flow alterations*); Fecal Coliform; Nutrient/Eutrophication Biological Indicators; Sedimentation/Siltation			1.1	X		Includes MA74011- Foundry Pond
MA84A-02	Merrimack River	Yes	(Low flow alterations*); Escherichia coli; Mercury in Fish Tissue; Phosphorus (Total)			10.1	X		

Water Body ID	Water Body Name	Water Body Included on Appendix L-1	Impairment <sup>□</sup>	TMDL Impairment	Load Reduction Target TMDL (lb/yr)	Load Reduction Target IC (ac)	Will be Assigned to Designer	Contractor Assigned	Notes
MA84A-03	Merrimack River	Yes	Escherichia coli; Mercury in Fish Tissue; PCB in Fish Tissue; Phosphorus (Total)			31.5	X		
MA84A-04	Merrimack River	Yes	Escherichia coli; PCB in Fish Tissue; Phosphorus (Total)			42.3	X		
MA84A-29	Lowell Canals	Yes	DDT; Lead; Mercury in Fish Tissue; PCB in Fish Tissue			2.4	X		
MA93-39	Proctor Brook	Yes	(Debris/Floatables/Trash*); Aquatic Macroinvertebrate Bioassessments; Fecal Coliform; Foam/Flocs/Scum/Oil Slicks; Nitrogen (Total); Phosphorus (Total); Sedimentation/Siltation; Taste and Odor	Pathogens		9.3	X		
MA35101	Whitney Pond	No	Aquatic Plants (Macrophytes) [123.2]; Mercury in Fish Tissue; Turbidity [123.2]	Phosphorus	1.97		X		
MA74-16	Accord Brook	No	Aquatic Macroinvertebrate Bioassessments			0.64	X		

**Table 8 Status of Assessments for Design and Construction**

Semi- Annual Submittal Date	Water Body ID	Water Body Name	Submitted as a Progress Report?	Submitted as a Final Report?	Progress to Final Report Submitted?	Progress (Design, Construction or Complete) June 8, 2013	Progress (Design, Construction or Complete) December 6, 2013	% Design Complete	Anticipated Date of 100% Design Completion	Design Consultant
6/8/2012	MA41-05	Cady Brook		X		Pre-Design	Pre-Design	--	Unknown	
6/8/2012	MA42-03	French River		X		Pre-Design	Design	25-75%	2014	CEI
6/8/2012	MA42058*	Texas Pond		X		Pre-Design	Design	25-75%	2014	CEI
6/8/2012	MA42059*	Thayers Pond		X		Pre-Design	Design	25-75%	2014	CEI
6/8/2012	MA72-31	Unnamed Tributary (Millers River)		X		Pre-Design	Pre-Design	--	2014	
6/8/2012	MA73-01	Neponset River	X			Pre-design	Pre-design	--	2014	VHB
6/8/2012	MA73-02	Neponset River	X			Pre-design	Pre-design	--	2014	VHB
12/8/2012	MA51039	Dorothy Pond		X		Pre-Design	Pre-Design	--	Unknown	VHB
6/8/2013	MA51125	Lake Quinsigamond	X			Pre-Design	Design	25%	2014	Tetrattech
6/8/2013	MA51188	Flint Pond	X			Pre-Design	Design	--	2014	Tetrattech
6/8/2012	MA51073	Indian Lake**	X			Pre-design (survey)	Pre-design (survey)	--	2014	VHB - Will be a combination of 190 resurfacing project and retrofit project
6/8/2012	MA51-08	Unnamed Tributary**	X			Pre-design (survey)	Pre-design (survey)	--	2014	VHB - Will be a combination of 190 resurfacing project and retrofit project
3/8/2011	MA36-16	Quaboag River		X		Design	Construction	100	2013	VHB
12/8/2011	MA61-02	Lee River	X		X (6/8/12)	Design	Design	100%	2013	Tetrattech
12/8/2011	MA61-04	Cole River	X		X (6/8/12)	Design	Construction	75%	2013	Tetra Tech/MassDOT Incorporating the BMP Design into the MassDOT "Swansea Superstructure Replacement of Bridge S35-018, I-195 (EB/WB) over the Cole River" Project
12/8/2012	MA71-04	Alewife Brook	X		X	Design	Design		Unknown	VHB - Part of Rte 2/ Rte 16 Interchange Reconstruction Project
12/8/2011	MA72-14	Mine Brook	X			Resurfacing Project 2013 - Design Resurfacing Project 2015 - Survey	Resurfacing Project 2013 - Construction Resurfacing Project 2015 - Survey	Resurfacing Project 2013 - 100% Resurfacing Project 2015 - Survey	Resurfacing Project 2013 - 2013 Resurfacing Project 2015 - 2015	VHB - Incorporating BMPs into the I-495 Resurfacing project in Franklin. Unknown Designer for 2015 Resurfacing Project for remainder of the BMPs.

Semi- Annual Submittal Date	Water Body ID	Water Body Name	Submitted as a Progress Report?	Submitted as a Final Report?	Progress to Final Report Submitted?	Progress (Design, Construction or Complete) June 8, 2013	Progress (Design, Construction or Complete) December 6, 2013	% Design Complete	Anticipated Date of 100% Design Completion	Design Consultant
12/8/2011	MA74-08	Monatiquot River	X			Design	Design	100%	2013	VHB - Incorporating BMPs into Rte 3 Resurfacing project in Braintree
12/8/2011	MA93-34	Saugus River	X		X (6/8/12)	Design	Construction	100%	Complete	Tetra Tech/MassDOT Incorporating BMP Design into the Interstate Maintenance Project
12/8/2011	MA93-35	Saugus River	X		X(6/8/12)	Design	Construction	100%	Complete	Tetra Tech/MassDOT Incorporating BMP Design into the Interstate Maintenance Project
6/8/2012	MA32-05	Westfield River	X				Complete	Complete	2013	CEI
6/8/2012	MA34-19	Stony Brook	X				Design	95%	2013	CEI
6/8/2012	MA35026	Greenwood Pond	X				Complete	Complete	2013	CEI
6/8/2012	MA62134	Norton Reservoir		X		Design	Design	100%	2012	MassDOT
6/8/2012	MA62-14	Robinson Brook	X			Design	Design	75%	2013	MassDOT
6/8/2012	MA62-39	Rumford River	X			Design	Design	95%	2013	CEI/Tetrattech
6/8/2012	MA71-02	Mystic River	X			Design	Design	75%	2014	Tetrattech
6/8/2012	MA72-07	Charles River		X	Toll Area Project	Design	Design	75%	2014	VHB
6/8/2012	MA72-07	Charles River		X	Interstate 95 North Project Area	Pre-Design	Pre-Design	--	2013	VHB
6/8/2012	MA72-25	Rosemary Brook		X		Design	Design	75%	2012	BSC
6/8/2012	MA72-29	Cheese Cake Brook		X		Design	Design	75%	2014	VHB
6/8/2012	MA72-36	Charles River		X		Design	Design	75%	2014	VHB
12/8/2012	MA92-03	Miles River	X			Design	Construction	100%	2013	AECOM
12/6/2013	MA34-05	Connecticut River (Subbasin C)		X		Design	Design	100%	2013	Tetrattech
12/6/2013	MA34-05	Connecticut River (Subbasin D)	X			Design	Design	100%	2013	Tetrattech
12/8/2010	MA51012	Burncoat Park Pond		X	X (6/8/2013)	Construction	Complete	100%	Complete	Tetrattech

Semi- Annual Submittal Date	Water Body ID	Water Body Name	Submitted as a Progress Report?	Submitted as a Final Report?	Progress to Final Report Submitted?	Progress (Design, Construction or Complete) June 8, 2013	Progress (Design, Construction or Complete) December 6, 2013	% Design Complete	Anticipated Date of 100% Design Completion	Design Consultant
12/8/2011	MA51-16	Dark Brook		X		Design	Construction	100%	Complete	VHB - 2 projects BMPs to Dark Brook along I-290 to be constructed as retrofit project with Kettle Brook and Leesville Pond BMPs and BMPs to Dark Brook along I-90 to be constructed with an I-90 resurfacing project in Auburn.
12/8/2011	MA51-01	Kettle Brook**	X			Design	Construction	100%	2013	VHB
12/8/2011	MA51087	Leesville Pond**	X		X	Design	Construction	100%	2013	VHB
6/8/2011	MA84038	Mill Pond**		X	X(6/8/2013)	Design	Complete	100%	2013	VHB
6/8/2011	MA84B-02	Beaver Brook**		X	X (6/8/2013)	Design	Complete	100%	2013	VHB
6/8/2011	MA95113	Noquochoke Lake***°°		X		Construction	Construction	100%	Complete	Tetrattech
6/8/2011	MA95170	Noquochoke Lake***°°		X		Construction	Construction	100%	Complete	Tetrattech
6/8/2011	MA95171	Noquochoke Lake***°°		X		Complete	Complete	100%	Complete	Tetrattech
12/8/2011	MA71-01	Aberjona River	X		X (6/8/12)	Complete	Complete	100%	Complete	Tetrattech
12/8/2011	MA71040	Spy Pond	X		X (6/8/2013)	Construction	Construction	100%	Complete	VHB
12/8/2011	MA93032	Hawkes Pond	X		X (6/8/12)	Construction	Construction	100%	Complete	Tetrattech
6/8/2012	MA62-47	Wading River°°		X		Construction	Construction	100%	Complete	VHB
12/8/2010	MA51-03	Blackstone River		X	X (6/8/2013)	Complete	Complete	100%	Complete	VHB
3/8/2011	MA42034	Lowes Pond		X		Complete	Complete	100%	Complete	Tetrattech
6/8/2013	MA41-02	Quinebaug River***	X	X	X (12/8/2013)	Pre-Design	Design	25-75%	2014	CEI
6/8/2013	MA95-42	New Bedford Inner Harbor	X	X	X	Design	Complete	100%	Complete	BSC
6/8/2013	MA51-10	Mill River	X			Pre-Design	Pre-Design		Unknown	CEI
6/8/2013	MA51135	Lake Ripple	X			Pre-Design	Pre-Design		Unknown	CEI
6/8/2013	MA62-04	Taunton River				Pre-Design	Pre-Design		Unknown	CEI/VHB
6/8/2013	MA51-17	Poor Farm Brook	X			Pre-Design	Pre-Design		Unknown	CEI
6/8/2013	MA73-26	Unquity Brook	X			Pre-Design	Pre-Design		Unknown	CEI

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6/8/2013	MA93-51	Unnamed Tributary to Town Line Brook	X			Pre-Design	Pre-Design		Unknown	CEI
12/8/2013	MA82B-07	Assabet River			X					
12/8/2013	MA82B-14	Nashoba River			X		Complete	100%	Complete	Tetrattech
6/8/2013	MA51196	Shirley Street Pond	X			Pre-Design	Design	25%	2014	Tetrattech
6/8/2013	MA51093	Marble Pond	X			Pre-design				BSC
6/8/2013	MA51-14	Mumford River	X			Pre-design	Design	Pre-25/75%	2014	BSC
6/8/2013	MA51-15	Tatnuck Brook	X			Pre-design	Design	Pre-25/75%	2014	BSC
6/8/2013	MA61-06	Mount Hope Bay	X			Pre-design	Pre-design		Unknown	VHB
6/8/2013	MA84046	Newfield Pond	X			Pre-design	Design	25%/75%	2014	BSC
12/8/2013	MA34-05	Connecticut River (A, B)	X				Pre-design	0%	2014	AECOM
12/8/2013	MA73-04	Neponset River	X				Design	25-75%	2014	AECOM
6/8/2013	MA74-04	Mill River	X				Design	25-75%	2014	AECOM
6/8/2013	MA74-09	Town Brook	X				Design	25-75%	2014	AECOM
6/8/2013	MA83-19	Shawsheen River	X				Design	25-75%	2014	AECOM
6/8/2013	MA51-02	Middle River	X				Pre-design			
6/8/2013	MA51120	Pondville Pond	X				Pre-design			FST
12/7/2012	MA62-05	Salisbury Plain River	X				Pre-design			FST
12/7/2012	MA62-06	Salisbury Plain River	X				Pre-design			FST
6/8/2013	MA84A-10	Spicket River	X				Pre-design			FST
6/8/2013	MA84A-17	Black Brook	X				Pre-design			FST
6/8/2013	MA84A-18	Bare Meadow Brook	X				Pre-design			FST
6/8/2013	MA51-05	Blackstone River	X				Design		2014	Tetrattech
6/8/2103	MA51020	City Farm Pond (51020)	X							
6/8/2013	MA51-35	Mill River	X							
6/8/2013	MA51-36	Mill River	X							
12/7/2012	MA53001	Burrs Pond (53001)	X				Pre-design			
12/7/2012	MA53-01	Runnins River	X				Pre-design			Tetrattech
12/7/2012	MA92-06	Ipswich River	X				Pre-design			AECOM
12/6/2013	MA42-05	French River	X				Pre-design			FST
6/8/2013	MA73003	Russell Pond	X				Pre-Design			BSC
6/8/2013	MA93-37	Beaver Brook	X				Survey		Unknown	VHB
6/8/2013	MA72-28	Beaver Brook	X				Pre-design		Unknown	VHB

<b>Semi- Annual Submittal Date</b>	<b>Water Body ID</b>	<b>Water Body Name</b>	<b>Submitted as a Progress Report?</b>	<b>Submitted as a Final Report?</b>	<b>Progress to Final Report Submitted?</b>	<b>Progress (Design, Construction or Complete) June 8, 2013</b>	<b>Progress (Design, Construction or Complete) December 6, 2013</b>	<b>% Design Complete</b>	<b>Anticipated Date of 100% Design Completion</b>	<b>Design Consultant</b>
6/8/2013	MA82B-02	Assabet River	X				Survey		Unknown	VHB

## **List of Attachments**

Attachment 1 Impaired Waters Assessments Final Reports

Attachment 2 Impaired Waters Assessments Progress Reports

Attachment 3 Impaired Waters Assessments Progress to Final Reports

Attachment 4 No Discharges from MassDOT Outfalls Assessments

Attachment 5 Unrelated Impairments Assessments

Attachment 1:

Impaired Waters Assessments – Final Reports

## List of Impaired Water Bodies

<b>Water body ID</b>	<b>Water body Name</b>
MA42-05	French River
MA51078	Jordan Pond
MA71043	Upper Mystic Lake
MA71-06	Chelsea River
MA73-16	Hawes Brook
MA73-20	Beaver Meadow Brook
MA74-15	Town River Bay
MA81-02	North Nashua River
MA81-05	Nashua River
MA82055	Grist Mill Pond
MA82056	Hager Pond
MA82A-05	Hop Brook
MA82A-07	Concord River
MA82A-15	Unnamed Tributary
MA82A-16	Unnamed Tributary
MA82B-04	Assabet River
MA82B-07	Assabet River
MA82B-14	Nashoba Brook
MA83-01	Shawsheen River
MA83-17	Shawsheen River
MA84089	Spectacle Pond
MA84A-21	Deep Brook
MA84B-04	Stony Brook
MA93-44	Saugus River

Attachment 2:

Impaired Waters Assessments - Progress Reports

## List of Impaired Water Bodies

<b>Water body ID</b>	<b>Water body Name</b>
MA34-05	Connecticut River
MA35056	Parker Pond
MA35101	Whitney Pond
MA70-03	Dorchester Bay
MA71-05	Malden River
MA73-03	Neponset River
MA73-04	Neponset River
MA73-22	Pequid Brook
MA74-02	Weir River and MA74011 Foundry Pond
MA74-16	Accord Brook
MA84A-02	Merrimack River
MA84A-03	Merrimack River
MA84A-04	Merrimack River
MA84A-29	Lowell Canals
MA93-39	Proctor Brook

Attachment 3:

Impaired Waters Assessments - Progress to Final Reports

## **List of Impaired Water Bodies**

<b>Water body ID</b>	<b>Water body Name</b>
MA32-05	Westfield River
MA34-19	Stony Brook
MA35026	Greenwood Pond
MA41-02	Quinebaug River
MA51050	Flint Pond
MA51-04	Blackstone River
MA51-06	Blackstone River
MA74-08	Monatiquot River
MA92-03	Miles River
MA93-10	Forest River

Attachment 4:

No Discharges from MassDOT Outfalls Assessments

## **List of Impaired Water Bodies**

<b>Water body ID</b>	<b>Water body Name</b>
MA35099	Whites Mill Pond
MA36165	Lake Whitmore
MA42-06	French River
MA51110	Newton Pond
MA51157	Southwick Pond
MA51185	Woodbury Pond
MA51-18	Peters River
MA51-27	Coal Mine Brook
MA51-28	Cook Allen Brook
MA82015	Carding Mill Pond
MA82042	Fort Meadow Brook
MA82A-06	Hop Brook
MA91-05	Rowley River
MA93-40	Proctor Brook

Attachment 5:

Pathogen Only – Final Assessments

## List of Impaired Water Bodies

Water body ID	Water body Name
MA52-06	Bungay River
MA53-03	Palmer River
MA53-05	Palmer River
MA53-16	Rocky Run
MA61-08	Kickamuit River
MA62-20	Assonet River
MA62-38	Meadow Brook
MA62-50	Broad Cove
MA62-51	Muddy Cove Brook
MA62-55	Segreganset River
MA62-56	Three Mile River
MA62-57	Three Mile River
MA71-08	Mill Creek
MA73-06	School Meadow Brook
MA73-17	Traphole Brook
MA73-24	Purgatory Brook
MA73-27	Ponkapog Brook
MA83-06	Vine Brook
MA83-07	Strong Water Brook
MA83-10	Kiln Brook
MA83-14	Spring Brook
MA91-11	Little River
MA93-32	Hawkes Brook
MA93-33	Hawkes Brook
MA93-41	Crane River
MA93-48	Bennetts Pond Brook
MA93-50	Shute Brook
MA93-52	Lynn Harbor
MA93-53	Lynn Harbor