

Municipality/Organization: Town of Weston

EPA NPDES Permit Number: MAR041068

MaDEP Transmittal Number: W- 035252

**Annual Report Number
& Reporting Period:** No. 12: March 2014-March 2015

NPDES PII Small MS4 General Permit Annual Report

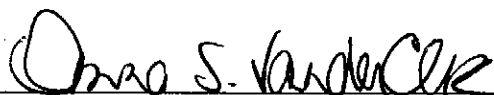
Part I. General Information

Contact Person: Stephen R. Fogg, P.E. **Title:** Town Engineer

Telephone #: 781-786-5115 **Email:** fogg.s@westonmass.org

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: 

Printed Name: Donna VanderClock

Title: Town Manager

Date: April 29, 2015

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Signature:	
Printed Name:	Donna VanderClock
Title:	Town Manager
Date:	April 29, 2015

Part II. Self-Assessment

The Town of Weston has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, except for the following provisions:

BMP 1-7, Progress has been made, but Outreach to Private Ways, has only been partially completed. The Town Engineer has been in communications with the Weston Roads Trust, which owns and manages several miles of private ways and their associated drainage systems.

BMP 2, Public Involvement and participation has increased from previous years, but additional public awareness and involvement would be preferred. Despite this, the passing of the Town of Weston Stormwater & Erosion Control By-law and Stormwater & Erosion Control Regulations has raised awareness levels in the building community, and for residents doing major home additions or other improvements that involve the creation of new impervious area.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (2014-2015) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13 (2015-2016)
1-1	Flyer to residents	WCC(Weston Conservation Commission), BOH, and SWPA(Stormwater Permitting Authority)	Distribute to 75% of residents	Placed Flyers, postcards, & information on display at Town Hall and DPW And Town Web Pages	Additional flyers on Stormwater, Conservation & Wetlands, and Health Dept. Information
Revised	<i>Septic Info flyer to residents</i>	<i>BOH</i>	<i>On Town website</i>	<i>Completed</i>	<i>Continue distribution of new flyers to all residents</i>
1-2	Lesson Plan for Fifth Graders	WCC and SRF	Lesson plan taught	Lesson plan continuing in schools. Completed lesson and activity for 4 th and 5 th graders (360 students) on “Exploring Stormwater”.	Lesson Plan to continue for 4 th and 5 th graders.
Revised	<i>Plan to be taught in 4th grade</i>				
1-3	Media Campaign	WCC and SRF	Media packet given to press	Written Articles in newspaper about workshops held.	Stormwater education article in local media spots.
Revised					
1-4	Flyer to Businesses	SRF & RES	Distribute to 50% of businesses	Mailed 165 letters/flyers March 2013	Additional updates, memos, flyers to be sent.
Revised			<i>Distribute to 100 % of businesses</i>	<i>No additional letters.</i>	
1-5	Video	WCC and SRF	Show video at public meeting	Power point presentation at Spring Workshop	Continue workshop annually
Revised	<i>“Stormwater Matters Outreach and Participation Campaign”</i>	<i>SUASCO</i>	<i>Implement stormwater advertising campaign</i>	<i>Ad campaign displayed at informational meetings in spring 2011</i>	<i>Provide information to public including post cards, pamphlets, etc. available at Town buildings.</i>
1-6	High School Students involvement in stormwater outreach	SRF	Submit reports to school and to Town Engineer	Intern Students prepared ideas and plans for stormwater outreach	Continue with student involvement in stormwater outreach with new students

1a. Additions

1-7	Outreach to Private Ways	DPW	Develop and send correspondence to road trusts and private way owners about stormwater issues	Continued updates of road conditions to Roads Trust.	Follow up as necessary
<i>Revised</i>		<i>DPW</i>	<i>Private roads monitored as part of and during construction of Stormwater Management Permits projects.</i>	<i>Continued 2-Way Communication with Roads Trusts.</i>	<i>Continue to monitor roads and alert road trusts of conditions.</i>
1-8	Illicit Discharge Detection and Elimination By-Law	DPW, Stormwater Working Group	Hold public meeting to describe proposed bylaw and regulations	Completed in previous year	Revisit residential discharges to Town drainage systems.
1-9	Public Presentations	Conservation Agent	Make presentation to community groups about stormwater	Two-Part Presentation to Env. Science students at school.	Continue as opportunities arise; possible library presentation
<i>Revised</i>	<i>Public workshop</i>	<i>BOH, WCC, SWPA, Bldg. Dept., Fire Dept.</i>	<i>Information workshop & presentation to Town residents</i>	<i>Home improvement workshop presented to public. Approx. 50 residents attended. Will air on local access cable</i>	<i>Continue annually</i>
1-10	Proposed by-law	Stormwater Working Group	Hold informational meetings and hearings on proposed stormwater and erosion control by-law	By-law adopted at 2011 Annual Town Meeting, May, 2011	Continued outreach and education around new by-law
<i>Revised</i>	<i>Amend/Update By-law</i>		<i>Revise some language in By-law</i>	<i>Amended By-Law, Approved at Town Meeting, May 2014</i>	<i>Update to Stormwater Regulations</i>
1-11	Stormwater talk to High School	SRF & WCC	High School biology class learned about stormwater pollution.	Class visited DPW for tour, and presentation on Stormwater to Environmental class, September & October, 2014	Class to visit at least annually.
1-12	Science Fair with science demonstrations	SWPA, WCC	Students to learn about stormwater runoff and pollution	Science Fair held at Elementary School	Continue Science fair annually

1-13	Information provided to Town residents	BOH	Educate public on maintenance of wastewater systems	Information booths set up at Spring Fling and at Antique Car show events	Continue annually
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2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (2014-2015) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13 (2015-2016)
2-1	Traveling Display	WCC and SWPA	Continuously on display at Town buildings & events	Stormwater Display setup at DPW with flyers, pamphlets, and postcards.	Use display as opportunity arises. Display at Town Hall and/or other common area in Town.
<i>Revised</i>			Continuous display at DPW, except when traveling		
2-2	Poster contest (5 th grade)	SUASCO WCC and SRF	Hold contest	Contest held in previous years.	None
<i>Revised</i>					
2-3	Summit Event	SUASCO WCC and SRF	Hold local stormwater summit meeting	None	None
<i>Revised</i>					
2-4	Photo contest (High School)	SUASCO WCC and SRF	Hold contest	None	None – being considered for next permit cycle
<i>Revised</i>					
2-5	Super—summit event	SUASCO WCC and SRF	Participate in regional “super-summit”		Continue to use displays at all relevant Town events.
<i>Revised</i>	“Stormwater Matters Outreach and Participation Campaign”	SUASCO	Implement stormwater advertising campaign	Ad campaign displayed at informational meetings in spring, 2014-2015.	

2a. Additions

2-6	Stream team survey of Seaverns Brook	SRF and stream team	Complete survey	None	Provide GIS mapping and complete survey
<i>Revised</i>	Stream team survey of Hobbs Brook	Weston Girl Scouts	Complete survey	Survey completed, April 2008	

2-7	Catch basin stenciling program	SRF	Volunteer group(s) to install 180 storm drain markers in selected locations	completed in a previous year	Continue program to other areas of Town
2-8	Hazardous Waste Day	DPW	Provide safe location for residents to dispose of hazardous waste	Event held at DPW; 200 Cars participated	Continue annually

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (2014-2015) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13 (2015-2016)
3-1	Stormwater System Mapping	DPW	Complete mapping of stormwater system over a 3 year period	Additions to Town GIS system as time allows	Completion of stormwater system mapping using GPS to construct pipe network; link As-built plans to system.
3-2	Dry weather screening of outfalls	DPW	Visual inspection/report of known outfalls, 33% each year	Done in previous year	Continue to inspect outfalls and document changes from last inspection
<i>Revised</i>		<i>DPW</i>	<i>Create database and tracking system for outfall inspections.</i>	<i>Completed</i>	
3-3	Illicit Discharge Elimination	DPW, Board of Health	Trace non-stormwater flows and eliminate within 1 year	None	Sample flowing outfalls using IDDE protocol
3-4	Water Quality Monitoring	Cambridge Water Supply	Obtain and review results of regular monitoring	Water quality data summary from CWS - See Attachment A	Same as prior years; DPW to work closely with CWS(Cambridge Water Supply) on discharges that affect CWS waters
3-5	Amend Stormwater regulations	DPW	Amended regulations adopted at 2003 Annual town Meeting	Goal met	
<i>Revised</i>			<i>Amended regulations adopted at 2010 Annual Town Meeting</i>	<i>Goal met</i>	
<i>Revise-2</i>	<i>Amend/update Stormwater regulations</i>	<i>SWPA</i>	<i>Meetings/discussions to update stormwater regulations</i>	<i>Discussions ongoing</i>	<i>Updates planned for the Stormwater and Erosion Control Regulations</i>
3-6	Septic System Monitoring Program	Board of Health	Develop, implement and enforce septic pumping	BOH not planning to institute mandatory pumping	
.			System in place to identify frequent pumping	Database created and in use; frequent pumping locations are investigated	

3-7	Dechlorination of New Water Mains	DPW - Water Div.	Use dechlorination tablets when flushing new mains	New water mains installed in two streets, and were dechlorinated before flushing.	As needed
3-8	Trench Dewatering Policy	DPW	Require siltation control on all trench dewatering projects	Siltation control specified on all capital projects; controls used on DPW projects	As needed

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (2014-2015) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13 (2015-2016)
4-1	Erosion and Sediment Control Bylaw	Stormwater Working Group	Develop, implement and enforce bylaw	By-law adopted at Town Meeting, May 2011 Stormwater Management Permits reviewed and approved; construction projects monitored & inspected.	Continue full implementation of by-law and regulations
<i>Revised</i>	<i>Implementation of by-law and regulations</i>	<i>Stormwater Permitting Authority(SWPA)</i>	<i>Update and clarify some By-law language</i>	<i>; Amended By-Law, Approved at Town Meeting, May 2014</i>	<i>Update Stormwater and Erosion Control Regulations</i>
4-2	Planning Board review of projects	Planning Board	All projects reviewed for compliance with runoff control measures	All applicants are required to demonstrate that they are addressing stormwater runoff control during construction	Same as prior years
4-3	Conservation Commission review of projects	Conservation Commission	All projects reviewed for compliance with runoff control measures	All applicants are required to demonstrate that they are addressing stormwater runoff control during construction	Same as prior years
4-4	Street Opening permit process	DPW	Inspections conducted for compliance with Stormwater Regulations	DPW inspector assigned to this task	Inspections documented and reported in annual report – continue this program.

4-5	Building Permit process	See 4-1	See 4-1	Stormwater Permit must be approved before Building permit is issued.	

4a. Additions

4-6	Stormwater Management Permit review of projects	SWPA	Review all applications; conduct site inspections	Reviewed 70 Stormwater Management Permit Applications	Review as needed
4-7	Inspection of erosion control for Demo permits	SWPA	Erosion controls inspected prior to demo of buildings	Erosion control to be installed adequately before Demo Permit issued	Continue to inspect erosion control

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (2014-2015) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13 (2015-2016)
5-1	Stormwater & Erosion Control By-law	DPW, SWPA	Same as control measure 4-1	Bylaw and regulations in place.	Monitor the progress of the new By-law.
Revised	<i>Implementation of by-law and regulations</i>	<i>Stormwater Permitting Authority(SWPA)</i>	<i>All projects meeting established thresholds of land disturbance required to obtain Stormwater Permit</i>	<i>Regulations and permit procedures in place November 2011; Site plan check list added to Application.</i>	<i>Same as prior years</i>
5-2	DPW Runoff Control Policy	See 5-1		No new additional stormwater runoff to streets allowed.	Continue to monitor projects.

5-3	Compliance with stormwater O&M plans under Con Com review	Conservation Commission	Ensure compliance with post-construction stormwater O&M Plans	Any project approved under the Con Com's jurisdiction which increases impervious surfaces by 2,000 s.f. or more must demonstrate that there will be no increase in the rate or volume (offsite) of the 100 year storm. Applicants are required to submit a stormwater O&M plan and annual inspection checklist for the first year after construction	Con Com will not issue a Cert. of Compliance until the Applicant has completed a post-construction stormwater structure(s) inspection and submitted a completed maintenance checklist

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 12 (2014-2015) (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 13 (2015-2016)
6-1	Street Sweeping	DPW	Sweep all public streets annually	All public streets swept at least once per year	Same as prior years
6-2	Catch Basin Cleaning	DPW	Clean all public catch basins annually	All public catch basins cleaned at least annually	Same as prior years
6-3	Drainage Improvement Projects	DPW	Incorporate structural BMPs into each project	Completed Sibley Road, new drainage w/treatment unit. Design & permitting of drainage with stormwater treatment for 3 roadway projects.	Construction of North Ave.; Summer St.; and, Highland & Winter Streets drainage projects South side drainage project design (flood mitigation) 5 year capital plan to continue
6-4	DPW Housekeeping	DPW	Conduct environmental audit, implement recc.	Completed	none
<i>Revised</i>	<i>Environmental Management System</i>	<i>DPW</i>	<i>Develop and Implement Environmental Management System</i>	<i>Implementation of Stormwater Best Management Practices at new DPW facility opened February 2011</i>	<i>Update maintenance program. Continuing program</i>

6-5	Roadway De-icing Program	DPW	Install computerized spreader controls in previous year. Monitored salt usage	Continued to track usage to achieve optimal application rates. Application rate 734 lbs./lane mile	Continue to seek optimal levels to achieve balance between public safety and environmental impact
6-6	Waterway Maintenance	DPW	Clear waterways of debris, 3 year rotating basis	Notice of Intent filed with Conservation Commission for permit to do maintenance	Continuing project
<i>Revised</i>	<i>Ditch maintenance</i>	<i>East Middlesex Mosquito Control Project</i>	<i>Clear sediment from ditches</i>	<i>ditch clearing accomplished in one area</i>	<i>Identify and clean as time and budget allows</i>

6a. Additions

6-7	Employee Training Program	DPW	Provide all departments with training	Done for DPW staff as part of EMS program	
<i>Revised</i>	<i>Stormwater training</i>	<i>SRF & RES</i>	<i>Outside stormwater training</i>	<i>Completed</i>	<i>Continue training as available.</i>
6-8	New DPW Facility	DPW	Incorporate Green Building Design into project	Construction completed and building opened Feb. 2011	Implementation of Stormwater Best Management Practices at new DPW facility opened February 2011; Continue Maintenance Program of BMPs.
<i>Revised</i>	<i>DPW maintenance of drainage systems.</i>	<i>DPW</i>	<i>Maintenance of facility drainage</i>	<i>Cleaned all drainage structures</i>	<i>Continued annual maintenance; repairs as needed.</i>
6-9	Erosion repairs	DPW	Repair eroded slope at water tower-Cat Rock Hill	Completed-new soil added with slope reinforcement and grass planted	Monitor Town land for erosion issues and repair.
6-10	Septic System file organization and maintenance	Board of Health	Develop efficient monitoring system of Town septic systems	Digitize all septic as-built plans and Title 5 Inspection Reports	

Part IV. Summary of Information Collected and Analyzed

Attachment A - A summary of water quality monitoring results from Cambridge Water Supply (CWS) is included as Attachment A. Weston has received no notification of specific water quality concerns from staff in the Watershed Protection Division of CWS. This agency has staff dedicated to monitoring water quality within the watershed on a daily basis.

Other

A tracking system was put in place in 2004 for private development stormwater BMPs that are reviewed and approved by the Town Engineer. This system was updated to incorporate the new Stormwater Permit provisions under the Stormwater and Erosion Control By-Law and Regulations. To date, approximately 460 projects have been reviewed.

The Stormwater Engineer reviews Stormwater Management Permit Applications for compliance with the Town of Weston Stormwater & Erosion Control By-Law and Regulations. 60 Stormwater Permit Applications were submitted and reviewed in 2014.

ATTACHMENT A

CAMBRIDGE WATER SUPPLY – WATER QUALITY MONITORING SUMMARY

2014 Surface Water Quality Data, Cambridge Watershed, Weston

Baseflow (no secondary tributary or stormwater samples in Weston, 2014)

SiteID	USGS ID	Date	Time	Water temp. (°C)	SpC (µS/cm)	DO		pH	Orp mV	Salinity		Air temp. (°F)	BP (mmHg)	Staff Height	Discharge (inst. cfs)	Comments	NH3 (mg/L)
						(%Saturation)	(mg/L)			PSS	TDS (mg/L)						
SB@VILES	01104370	2/11/2014	10:45:52	0.18	381	91.5	13.43	7.27	88	0.17	243.70	21	768	0.86	9.4	Ice on gage, kicked off	0.071
SB@VILES	01104370	3/25/2014	11:13:20	1.37	326	93.7	13.25	7.34	90	0.15	208.80	31	765	1.35	30.0		0.080
SB@VILES	01104370	5/22/2014	10:48:12	16.00	390	91.2	8.99	7.23	84	0.18	249.80	61	760	1.22	22.0		0.130
SB@VILES	01104370	8/7/2014	10:31:26	18.08	414	91.0	8.57	7.00	143	0.20	264.80	70	758	0.62	3.7		0.091
SB@VILES	01104370	12/2/2014	11:15:50	3.81	319	91.1	12.27	7.24	111	0.14	204	33	778	1.14	20.0		<0.020
RT 20	01104460	1/30/2014	10:52:32	0.96	609	88.8	12.82	7.29	49	0.28	389.8	22.10	772	5.04	12.00	Staff height taken from	0.180
RT 20	01104460	1/30/2014	10:52:32													FDUP	0.140
RT 20	01104460	3/11/2014	10:36:52	2.56	617	88.1	11.80	7.37	23	0.29	395.0	46.94	749	5.20	21.00		<0.05
RT 20	01104460	5/13/2014	10:42:41	16.60	525	88.8	8.74	7.11	61	0.25	336.2	53.60	769	5.52	32.00		0.230
RT 20	01104460	6/10/2014	12:17:07	18.59	690	86.9	8.12	6.92	85	0.33	441.7	72.50	761	5.66	46.00	Dam releases from Hot	0.150
RT 20	01104460	7/3/2014	10:38:08	22.11		86.8	7.46	6.97	87	2.36	2833.0	80.24	759	5.34	27.00	SpC sensor not working	0.100
RT 20	01104460	9/25/2014	10:35:24	16.81	856	93.1	9.02	7.15	89	0.42	547.9	62.27	761	5.38	21.00		0.052
RT 20	01104460	12/16/2014	10:33:45	3.01	421	87.9	11.89	7.05	100	0.19	269.1	37.40	765	5.81	56.00		0.085
SUMMER ST	01104475	1/30/2014	11:14:09	2.01	353	99.3	13.93	7.58	113	0.16	226.1	24.1	772	0.47	0.67	Ice formation at section	0.10
SUMMER ST	01104475	3/11/2014	11:00:25	4.54	397	90.9	11.57	7.49	109	0.18	253.8	48.4	749	0.54	1.00		<0.05
SUMMER ST	01104475	5/13/2014	11:02:22	14.65	379	99.4	10.21	7.44	123	0.18	242.6	53.6	769	0.54	0.97		<0.05
SUMMER ST	01104475	7/3/2014	11:02:04	16.50		93.3	8.95	7.21	158	2.66	3165.0	79.2	759	0.28	0.15	Field SpC sensor not w	0.06
SUMMER ST	01104475	7/3/2014	11:02:04													FDUP	<0.05
SUMMER ST	01104475	9/25/2014	10:53:09	12.29	334	97.1	10.39	7.49	149	0.16	213.9	54.1	761	0.3	0.22		<0.05
SUMMER ST	01104475	12/16/2014	10:53:34	5.81	322	94.4	11.87	7.26	135	0.15	206.1	37.8	765	0.79	2.90		<0.05
MBS	01104453	2/11/2014	11:11:04	3.52	826	46.60	6.23	6.92	105	0.40	528.70	21.6	768	96.36	2.00	NO3/NO2 analyzed by	0.088
MBS	01104453	3/25/2014	11:37:59	5.99	715	89.30	11.17	6.79	133	0.34	457.60	32.5	765	96.48	4.40		0.082
MBS	01104453	5/22/2014	11:11:46	18.98	679	57.00	5.28	6.77	109	0.33	434.50	62.4	760	96.46	4.60	Lots of beaver activity	0.190
MBS	01104453	8/7/2014	10:55:45	22.28	632	0.80	0.07	6.12	-27	0.30	404.60	70.0	758	96.40	2.80	Lots of beaver activity	0.130
MBS	01104453	12/2/2014	11:42:00	4.60	612	63.50	8.37	6.99	157	0.29	391.4	33.3	778	96.42	3.70		0.062
HB@KG	01104440	3/4/2014	9:57:44	0.05	1094	94.4	13.92	7.76	64	0.5	700.3	18.7	770			Jet staff height, covered in muck and ice. Approx 0.25" thick	0.061
HB@KG	01104440	5/6/2014	10:53:04	11.83	843.2	95.9	10.33	7.43	95	0.4	539.6	59.5	758	1.86	18.00	estimated from 2012 Re	0.094
HB@KG	01104440	6/24/2014	10:51:11	18.53	857.3	93.2	8.77	7.20	124	0.4	548.7	74.8	765	1.78	16.97	asured. NO3/NO2 analyz	0.120
HB@KG	01104440	7/31/2014	10:39:15	22.33	849.1	96.3	8.38	7.15	159		543.4	75.6	765	1.89	19.64	Discharge measured.	<0.05
HB@KG	01104440	7/31/2014	10:39:15	22.33	849.1	96.3	8.38	7.15	159		543.4	75.6	765	1.89	19.64	FDUP	0.053
HB@KG	01104440	10/28/2014	10:17:07	11.04	825.6	94.3	10.41	7.31	108	0.4	528.4	61.3	763	1.51	9.00	ge estimated from ratir	0.140
INDUST BROOK	01104433	3/4/2014	9:37:43	0.09	3286	52.90	7.73	7.29	13	1.68	2103.0	16.34	770	0.80	0.23	Discharge estimated fr	0.41
INDUST BROOK	01104433	3/4/2014	9:37:43													FDUP	0.41
INDUST BROOK	01104433	5/6/2014	10:33:41	13.84	2551	123.10	12.59	7.00	27	1.32	1632.0	58.82	758	0.82	0.27	Discharge estimated fr	0.20
INDUST BROOK	01104433	6/24/2014	10:28:04	18.43	2548	60.00	5.62	6.83	15	1.32	1631.0	74.84	765	0.58	0.01	Discharge estimated fr	0.88
INDUST BROOK	01104433	7/31/2014	10:18:14	19.52	1662	71.60	6.57	6.83	98		1063.0	74.12	765	0.76			0.22
INDUST BROOK	01104433	10/28/2014	9:56:24	10.07	1811	80.30	9.03	6.81	74	0.92	1159.0	61.34	763	0.76	0.17	Discharge estimated fr	0.23

													Alkalinity		Total		Lab		
TKN (mg/L)	Total Phos. (mg/L)	lab number	Ca (mg/L)	Cl (mg/L)	Color (CU)	Conductivity (umhos/cm)	E-Coli (MPN)	Mn (mg/L)	NO3 (mg/L)	NO2 (mg/L)	Lab pH	Na (mg/L)	TOC (mg/L)	CaCO3	Total Al (mg/L)	Coliform (MPN)	Total Fe (mg/L)	Turbidity (NTU)	UV254 (abs)
<0.5	0.015	2014-0609	22	80.5	26	360	12	0.056	1.300	<0.01	6.9	40.4	4	27.5	0.05	36	0.285	0.883	0.172
<0.5	0.021	2014-1277	16.8	74.3	37	336	58	0.041	1.09	<0.004	6.99	38.5	5.5	21.5	0.089	160	0.501	1.14	0.235
0.76	0.044	2014-2153	24.7	94.6	72	379	220	0.107	1.33	0.004	7.08	52.7	7.7	28.5	0.161	>2419.6	0.96	2.56	0.408
<0.5	0.018	2014-3361	23	96.9	32	396	70	0.041	1.38	0.019	7.12	46.2	5.5	26	0.011	>2419.6	0.255	0.766	0.242
0.62	0.018	2014-5059	19.8	75.6	54	300	91	0.02	0.51	<0.004	6.86	38.4	8.2	21	0.05	>2419.6	0.127	1.01	0.369
0.60	<0.01	2014-0437	26.6	150	28	572	7.5	0.201	1.98	0.006	6.99	75.7	3.18	36	0.022	180	0.363	0.933	0.178
0.54	<0.01	2014-0436	26	142	27	573	7.3	0.196	1.8	0.005	6.99	76.2	3.17	33	0.021	150	0.357	0.944	0.174
<0.5	0.011	2014-1055	27.6	160	27	580	36	0.172	1.5	0.004	7.12	81.2	3.85	29	0.016	90	0.355	0.96	0.169
0.57	0.029	2014-2011	27.6	135	53	543	79	0.221	0.15	<0.004	7.22	75.2	5.9	31	0.122	2400	0.796	2.42	0.305
1.10	0.110	2014-2432	30.8	186	53	709	1400	0.736	0.430	0.01	7.05	112	4.7	29	0.71	>2419.6	2.69	11.5	0.221
<0.5	0.038	2014-2829	27.8	225	23	802	200	0.329	0.240	<0.01	7.16	130	3.6	28	0.142	>2419.6	0.889	1.46	0.141
<0.50	0.015	2014-4081	26.9	246	11	873	77	0.12	0.130	<0.004	7.3	132	2.8	31	0.107	>2419.6	0.243	0.915	0.097
0.54	0.021	2014-5273		101	41	414	31	0.094	0.960	0.00	7.01	58.9	6.2	22.5	0.097	2400	0.401	1.02	0.273
0.530	<0.01	2014-0438	21.6	67	9	344	17	0.009	2.750	0.01	7.5	36.8	2.37	33	0.009	93	0.139	0.271	0.076
<0.5	0.012	2014-1056	23.9	81.7	11	386	290	0.019	2.350	<0.004	7.36	43	2.64	32	0.02	290	0.189	0.621	0.079
<0.5	0.024	2014-2012	25.4	80.1	16	400	54	0.05	1.740	<0.004	7.63	45.2	3.1	31	0.066	1700	0.4	1.57	0.103
<0.5	0.021	2014-2830	23	89	7	396	130	0.03	2.000	<0.01	7.3	50.4	1.6	30.5	0.04	1700	0.102	0.743	0.045
<0.5	0.028	2014-2831	22.6	87	7	398	100	0.036	2.000	<0.01	7.32	52.1	1.6	30.5	0.041	>2419.6	0.126	0.405	0.045
<0.5	0.014	2014-4082	18.6	60.6	5	334	66	0.01	1.950	<0.004	7.65	45	1.6	37	0.038	1400	<0.050	0.587	0.042
0.580	0.016	2014-5274	17.7	60.6	16	321	14	0.019	1.950	0.00	7.3	32	3.6	26	0.046	2000	0.059	0.542	0.117
<0.5	0.015	2014-0610	27.5	214	32	853	4.1	0.109	1.100	0.018	6.8	139	3.92	33.5	0.036	16	0.474	0.869	0.201
0.580	0.015	2014-1276	19.6	179	46	684	18	0.06	1.310	0.004	6.75	112	5.7	22	0.062	160	0.718	1.21	0.286
0.780	0.018	2014-2154	26.3	190	62	675	4.1	0.085	1.110	0.008	6.92	115	6.8	28.5	0.067	1100	0.549	1.44	0.368
0.620	0.033	2014-3362	22.7	158	21	608	63	0.158	0.325	0.017	6.46	92.2	8.6	34.5	0.059	>2419.6	0.856	2.96	0.461
0.760	0.019	2014-5060	24.3	154	56	567	1	0.026	0.548	<0.004	6.88	97.4	7.8	30.5	0.053	730	0.121	1.06	0.378
0.62	0.015	2014-0928	41	300	13	1080	14	0.471	1.14	0.005	6.97	158	1.39	32	0.028	140	0.436	1.11	0.081
<0.5	0.025	2014-1900	29.1	233	27	868	24	0.238	0.32	<0.004	7.29	150	3.2	26.5	0.438	550	0.874	4.12	0.122
<0.5	0.022	2014-2683	26.1	239	21	842	41	0.298	0.051	<0.01	7.21	135	3.5	27	0.061	>2419.6	0.554	1.27	0.129
<0.5	0.019	2014-3246	27.2	238	17	844	120	0.151	0.04	0.004	7.42	140	3.5	29	0.019	>2419.6	0.225	0.65	0.122
<0.5	0.017	2014-3247	24.2	236	16	847	28	0.138	0.04	0.004	7.41	125	3.5	30	0.022	>2419.6	0.229	0.81	0.123
<0.5	0.016	2014-4543	28.2	233	16	760	20	0.16	0.066	<0.004	7.26	141	2.9	28.5	0.006	>2419.6	0.156	0.886	0.115
0.96	0.024	2014-0926	111	961	21	3110	12	0.857	1.66	0.009	6.63	531	0.9	57.5	0.027	870	1.34	3.1	0.089
0.85	0.021	2014-0927	122	982	21	3010	7.3	0.932	1.65	0.009	6.65	569	0.9	57.5	0.023	1400	1.38	3.05	0.088
0.58	0.017	2014-1899	95.1	767	24	2550	78	0.521	0.23	0.008	7.01	416	1.7	55	0.036	1400	0.821	2.88	0.125
1.20	0.045	2014-2682	96	759	31	2520	130	0.908	0.35	0.045	6.98	375	2.1	67	0.187	>2419.6	2.16	4.7	0.147
0.65	0.041	2014-3245	65.6	482	37	1650	120	0.303	0.38	0.02	7.23	279	2.6	63	0.209	>2419.6	1.58	4.1	0.178
0.54	0.028	2014-4542	77.3	532	20	1650	60	0.483	0.346	0.009	6.87	282	2.2	75	0.009	>2419.6	0.398	1.63	0.129

Cambridge Watershed Weston, MA Sampling Locations

