

ENVIRONMENTAL MONITOR REPORT
MAY 1, 2018 – MAY 31, 2018

Distribution

This report was sent to the following individuals via. e-mail:

Greg Kwon, *Resident Engineer* MADOT, Greg.Kwon@dot.state.ma.us
John Viens, *Site Superintendent*, D.W. White, jviens@dwwwhite.com
Delia Kaye, *Natural Resources Director*, Town of Concord, dkaye@concordma.gov

The following individuals were also CC'd via e-mail:

Mark Cain, MADOT, mark.cain@dot.state.ma.us
Ann Roche, MADOT, ann.roche@dot.state.ma.us
Amy Lynch, MADOT, amy.lynch@dot.state.ma.us
Tim Kelley, *Project Manager*, D.W. White, tkelley@dwwwhite.com
Rich Kirby, *Environmental Monitor Team member*, LEC, RKirby@lecenvironmental.com

STATUS OF CONSTRUCTION

The painting of the rehabilitation bridge near Brookside Square is finished and All Set has left the site. Work will begin for fallen tree removal along the trail.

WEATHER

The weather station at Hanscom Airfield records and publishes real-time precipitation data (USGS 01100568). According to the weather station, one precipitation event which totaled to be 0.40" occurred.

SWPPP REPORTS

Copies of the reports are kept in the construction trailer. Copies of the SWPPP Reports are included in this report as an attachment.

OBSERVATIONS

PRIME performed a site walk on May 4, 2018 and May 16, 2018. During the site walk no evidence of sediment erosion in resource areas was present on site; however, fallen trees were still located all along the trail. The fallen tree locations were noted and given to D.W. White for removal. Photos taken on May 4, 2018 and May 16, 2018 are included in the Photographic Documentation appendix.

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GENERAL SUMMARY

The painting of the rehabilitation bridge near Brookside Square is finished and All Set has left the site. Work will begin for fallen tree removal along the trail. The site remained stable through the month.

SWPPP REPORTS

Name of Project		Bruce Freeman Rail Trail	General Information (See reverse for instructions)	
Inspector Name, Title & Contact Information		John Viens-Supt. D. W. White Construction, Inc., 867 Middle Rd. Acushnet, MA 02743, jviens@dwwhite.com, (774) 320-5830	CGP Tracking No.	Inspection Date
Present Phase of Construction		NO WORK AT THIS PRESENT TIME	MAR10008B	5/23/18
Inspection Location (if multiple inspections are required, specify location where this inspection is being conducted)		ENTIRE SITE		
Inspection Frequency (Note: you may be subject to different inspection frequencies in different areas of the site. Check all that apply.) Standard Frequency: ☐ Weekly ☐ Every 14 days and within 24 hours of a 0.25" rain Increased Frequency: ☒ Every 7 days and within 24 hours of a 0.25" rain (for areas of sites discharging to sediment or nutrient-impaired waters or to waters designated as Tier 2, Tier 2.5, or Tier 3) Reduced Frequency: ☐ Once per month (for stabilized areas) ☐ Once per month and within 24 hours of a 0.25" rain (for arid, semi-arid, or drought-stricken areas during seasonally dry periods or during drought) ☐ Once per month (for frozen conditions where earth-disturbing activities are being conducted)				
Was this inspection triggered by a 0.25" storm event? ☒ Yes ☐ No If yes, how did you determine whether a 0.25" storm event has occurred? ☐ Rain gauge on site ☐ Weather station representative of site. Specify weather station source: HANSCOM AIR FORCE BASE Total rainfall amount that triggered the inspection (in inches): 4/26 .74" 4/27 .33" 5/20 .28" 5/21 .34"				
Unsafe Conditions for Inspection Did you determine that any portion of your site was unsafe for inspection per CGP Part 4.1.5? ☐ Yes ☒ No If "yes", complete the following: - Describe the conditions that prevented you from conducting the inspection in this location: - Location(s) where conditions were found:				

Condition and Effectiveness of Erosion and Sediment (E&S) Controls (GGP Part 2.1)				
Type/Location of E&S Control [Add an additional sheet if necessary]	Repairs or Other Maintenance Needed?*	Corrective Action Required?*	Date on Which Maintenance or Corrective Action First Identified?	Notes
1.	☐ Yes ☐ No	☐ Yes ☐ No		SEVERAL DOWNED TREE LIMBS THRU-OUT THE TRAIL NO VISIBLE SIGNS OF EROSION
2.	☐ Yes ☐ No	☐ Yes ☐ No		
3.	☐ Yes ☐ No	☐ Yes ☐ No		
4.	☐ Yes ☐ No	☐ Yes ☐ No		
5.	☐ Yes ☐ No	☐ Yes ☐ No		
6.	☐ Yes ☐ No	☐ Yes ☐ No		
7.	☐ Yes ☐ No	☐ Yes ☐ No		
8.	☐ Yes ☐ No	☐ Yes ☐ No		
9.	☐ Yes ☐ No	☐ Yes ☐ No		
10.	☐ Yes ☐ No	☐ Yes ☐ No		

* Note: The permit differentiates between conditions requiring repairs and maintenance, and those requiring corrective action. The permit requires maintenance in order to keep controls in effective operating condition and requires repairs if controls are not operating as intended. Corrective actions are triggered only for specific, more serious conditions, which include: 1) A required stormwater control was never installed, was installed incorrectly, or not in accordance with the requirements in Part 2 and/or 3; 2) You become aware that the stormwater controls you have installed and are maintaining are not effective enough for the discharge to meet applicable water quality standards or applicable requirements in Part 3.1; 3) One of the prohibited discharges in Part 2.3.1 is occurring or has occurred; or 4) EPA requires corrective actions as a result of a permit violation found during an inspection carried out under Part 4.2. If a condition on your site requires a corrective action, you must also fill out a corrective action form found at www.epa.gov/npdes/stormwater/swppp. See Part 5 of the permit for more information.

Condition and Effectiveness of Pollution Prevention (P2) Practices (CGP Part 2.3)				
Type/Location of P2 Practices (Add an additional sheet if necessary)	Repairs or Other Maintenance Needed?*	Corrective Action Required?*	Date on Which Maintenance or Corrective Action First Identified?	Notes
N/A	☐ Yes ☐ No	☐ Yes ☐ No		N/A
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		
	☐ Yes ☐ No	☐ Yes ☐ No		

* Note: The permit differentiates between conditions requiring repairs and maintenance, and those requiring corrective action. The permit requires maintenance in order to keep controls in effective operating condition and requires repairs if controls are not operating as intended. Corrective actions are triggered only for specific, more serious conditions, which include: 1) A required stormwater control was never installed, was installed incorrectly, or not in accordance with the requirements in Part 2 and/or 3; 2) You become aware that the stormwater controls you have installed and are maintaining are not effective enough for the discharge to meet applicable water quality standards or applicable requirements in Part 3.1; 3) One of the prohibited discharges in Part 2.3.1 is occurring or has occurred; or 4) EPA requires corrective actions as a result of a permit violation found during an inspection carried out under Part 4.2. If a condition on your site requires a corrective action, you must also fill out a corrective action form found at www.epa.gov/nodes/stormwater/swppp. See Part 5 of the permit for more information.

Stabilization of Exposed Soil (CGP Part 2.2)		Notes
Stabilization Area (Add an additional sheet if necessary)	Stabilization Method	Have You Initiated Stabilization?
1. <i>N/A</i>		☐ YES If yes, provide date:
2.		☐ NO If yes, provide date:
3.		☐ YES If yes, provide date:
4.		☐ NO If yes, provide date:
5.		☐ YES If yes, provide date:

Description of Discharges (CGP Part 4.1.6.3)	
Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection? ☐ Yes ☐ No	Discharge Location
1. <i>NONE AT THIS TIME</i>	Observations Describe the discharge: At points of discharge and the channels and banks of surface waters in the immediate vicinity, are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? ☐ Yes ☐ No If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:
2.	Describe the discharge: At points of discharge and the channels and banks of surface waters in the immediate vicinity, are there any visible signs of erosion and/or sediment accumulation that can be attributed to your discharge? ☐ Yes ☐ No If yes, describe what you see, specify the location(s) where these conditions were found, and indicate whether modification, maintenance, or corrective action is needed to resolve the issue:

Contractor or Subcontractor Certification and Signature
(see reverse for instructions)

"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 gathered and evaluated 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 of Contractor or Subcontractor: John K. Vane

Printed Name and Affiliation: DW White Construction

Date: 5/23/18

Permittee Certification and Signature
(see reverse for instructions)

"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 gathered and evaluated 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 of Permittee or "Duly Authorized Representative": _____

Printed Name and Affiliation: _____

Date: _____

WEATHER REPORTS



National Water Information System: Web Interface

USGS Water Resources

USGS Home
Contact USGS
Search USGS

Data Category: Current Conditions ▾ Geographic Area: United States ▾ GO

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USGS 01100568 SHAWSHEEN RIVER AT HANSCOM FIELD NEAR BEDFORD, MA

PROVISIONAL DATA SUBJECT TO REVISION

Available data for this site Time-series: Current/Historical Observations ▾ GO

Click to hidestation-specific text

LOCATION--Lat 42°28'01", long 71°16'22", Middlesex County, Hydrologic Unit 01070002, on left bank, 300 ft downstream from FAA hangar at Hanscom Field and 1.6 mi south of Bedford.

DRAINAGE AREA--2.13 mi².

PERIOD OF RECORD--Discharge: October 1995 to current year.

Precipitation: October 1996 through September 1999, October 2002 to September 2004.

Water quality: water years 1995-2001.

GAGE--Data Collection Platform with satellite telemeter. Datum of gage is 115 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS-- Discharge values are highly provisional and will change significantly after thorough check and review of data. Gage-height values are accurate. Precipitation gage re-established on site February 2013.

COOPERATION BY--U. S. Air Force

The precipitation data for this station are temporary and will only be displayed for 120 days. Time series of 15-minute or cumulative daily values WILL NOT be available for retrieval following the 120-display period. Although the instrumentation is calibrated at least once/year, the temporary classification means that documented routine inspections and other quality assurance measures are not performed that would make the data acceptable for archival, retrieval, or future use in general scientific or interpretive studies.

Boating safety tips

This station managed by the Northborough MA Field Office.

Available Parameters	Available Period
☐ All 5 Available Parameters for this site	
☐ 00010 Temperature, water	2017-08-02 2018-05-30
☒ 00045 Precipitation	2018-01-30 2018-05-30
☐ 00060 Discharge	1995-10-01 2018-05-30
☐ 00065 Gage height	2007-10-01 2018-05-30
☐ 00095 Specific cond at 25C	2017-07-27 2018-05-30

Output format

- ☐ Graph
- ☐ Graph w/ stats
- ☐ Graph w/o stats
- ☐ Graph w/ (up to 3) parms
- ☒ Table
- ☐ Tab-separated

Days (30) [Summary of all available data for this site](#)
[Instantaneous-data availability statement](#)

GO

-- or --

Begin date
2018-05-01

End date
2018-05-31

Precipitation, total, inches

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.22	0.4	0	0.03	0.01	0	0	0	0.23	0.02	0	0

Explanation

P	Provisional data subject to revision.
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Title: USGS Current Conditions for the Nation
URL: <https://waterdata.usgs.gov/nwis/uv?>



PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPH LOG

MAY 4, 2018



REHABILITATION BRIDGE NEAR BROOKSIDE SQUARE WHILE SAND BLASTING HAS COMMENCED.



REHABILITATION BRIDGE NEAR BROOKSIDE SQUARE.



PHOTOGRAPH LOG

MAY 16, 2018



REHABILITATION BRIDGE NEAR BROOKSIDE SQUARE AFTER PAINTING HAS FINISHED.



TYPICAL FALLEN TREES ALONG THE PATH.