

ENVIRONMENTAL MONITOR REPORT  
**MARCH 1, 2018 – MARCH 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](mailto:Greg.Kwon@dot.state.ma.us)

John Viens, *Site Superintendent*, D.W. White, [jviens@dwwhite.com](mailto:jviens@dwwhite.com)

Delia Kaye, *Natural Resources Director*, Town of Concord, [dkaye@concordma.gov](mailto:dkaye@concordma.gov)

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

Mark Cain, MADOT, [mark.cain@dot.state.ma.us](mailto:mark.cain@dot.state.ma.us)

Ann Roche, MADOT, [ann.roche@dot.state.ma.us](mailto:ann.roche@dot.state.ma.us)

Amy Lynch, MADOT, [amy.lynch@dot.state.ma.us](mailto:amy.lynch@dot.state.ma.us)

Tim Kelley, *Project Manager*, D.W. White, [tkelley@dwwhite.com](mailto:tkelley@dwwhite.com)

Rich Kirby, *Environmental Monitor Team member*, LEC, [RKirby@lecenvironmental.com](mailto:RKirby@lecenvironmental.com)

**STATUS OF CONSTRUCTION**

Due to the winter conditions, little to no work was done on this site. Pre-construction has commenced in March. The pre-construction work consists of installing safety decking for the rehabilitation bridge near Brookside Square. The construction of the safety decking was halted due to the winter conditions in the month of March.

**WEATHER**

The weather station at Hanscom Airfield records and publishes real-time precipitation data (USGS 01100568). According to the weather station, four precipitation events which totaled to be 1.55", 0.91", 0.53", and 0.60" 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 March 5, 2018 and March 12, 2018. During the first site walk on March 5, 2018 the subcontractor installing the safety decking was present on site. No evidence of sediment erosion in resource areas was present on site; however, fallen trees were located all along the trail. During the second site walk on March 12, 2018 conditions were the same as the initial site walk on March 5, 2018; however, the site was covered with snow and ice. Photos of the site walk are included in the Photographic Documentation appendix.

MassDOT Contract No.  
Federal Aid Project No.  
CM-002S(910)X,



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ENVIRONMENTAL MONITOR REPORT  
**MARCH 1, 2018 – MARCH 31, 2018**

**GENERAL SUMMARY**

Little to no work was conducted and the site remained stable through the month.

## **SWPPP REPORTS**

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|                                                                                                                       |                  |                                                                                                                         |                 |
|-----------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------|
| Name of Project                                                                                                       |                  | General Information<br>(see reverse for instructions)                                                                   |                 |
| Bruce Freeman Rail Trail                                                                                              | CGP Tracking No. | MAR10008B                                                                                                               | Inspection Date |
| Inspector Name, Title & Contact Information                                                                           |                  | 3/16/18                                                                                                                 |                 |
| Present Phase of Construction                                                                                         |                  | John Viens- Supt. D. W. White Construction, Inc., 867 Middle Rd. Acushnet, MA 02743, jviens@dwwhite.com, (774) 320-5830 |                 |
| Inspection Location (if multiple inspections are required, specify location where this inspection is being conducted) |                  | WINTER SUNT DOWN - NO WORK<br>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 **HANSCOM AIR FUEL BASE**

**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:

**Total rainfall amount that triggered the inspection (in inches):** .27" 3-13-18 .27" 3-14-18

**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 **HEAVY SNOW COVER**

**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, Sediment, and Stormwater Controls (CGP Part 2.1) |                                                                     |                                                                     |                                                                           |                    |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------|
| Type/Location of E&S Control<br>(Add an additional sheet if necessary)                   | Repairs or<br>Other<br>Maintenance<br>Needed?*                      | Corrective<br>Action<br>Required?*                                  | Date on Which<br>Maintenance or<br>Corrective Action First<br>Identified? | Notes              |
| 1. N/A                                                                                   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | N/A                                                                       | 15"-20" SNOW COVER |
| 2.                                                                                       | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                    |
| 3.                                                                                       | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                    |
| 4.                                                                                       | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                    |
| 5.                                                                                       | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                    |
| 6.                                                                                       | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                    |
| 7.                                                                                       | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                    |
| 8.                                                                                       | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                    |
| 9.                                                                                       | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                    |
| 10.                                                                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> 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](http://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<br>[Add an additional sheet if necessary]           | Repairs or<br>Other<br>Maintenance<br>Needed?*                      | Corrective<br>Action<br>Required?*                                  | Date on Which<br>Maintenance or<br>Corrective Action<br>First Identified? | Notes |
| N/A                                                                               | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                                           | N/A   |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
|                                                                                   | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> 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](http://www.epa.gov/npdes/stormwater/swppp). See Part 5 of the permit for more information.

| Stabilization Area<br>[Add an additional sheet if necessary] |     | Stabilization Method | Have You Initiated Stabilization?                     | Notes |
|--------------------------------------------------------------|-----|----------------------|-------------------------------------------------------|-------|
| 1.                                                           | N/A | N/A                  | <input type="checkbox"/> YES<br>If yes, provide date: |       |
| 2.                                                           |     |                      | <input type="checkbox"/> YES<br>If yes, provide date: |       |
| 3.                                                           |     |                      | <input type="checkbox"/> YES<br>If yes, provide date: |       |
| 4.                                                           |     |                      | <input type="checkbox"/> YES<br>If yes, provide date: |       |
| 5.                                                           |     |                      | <input type="checkbox"/> YES<br>If yes, provide date: |       |

| Description of Discharge(s) (CCP Part 11.2.6)<br>[See reverse for instructions]                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>If "yes", provide the following information for each point of discharge:<br>Discharge Location<br>[Add an additional sheet if necessary] | Observations<br>Describe the discharge:<br>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? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>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: |
| 1.                                                                                                                                                                                                                                                                                                                     | Describe the discharge:<br>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? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>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:<br>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? <input type="checkbox"/> Yes <input type="checkbox"/> No<br>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. Uen

Printed Name and Affiliation: John Uen, Director

Date: 3/16/18

**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: \_\_\_\_\_



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |           |                                                       |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------|-----------|-------------------------------------------------------|--------|
| Name of Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Bruce Freeman Rail Trail |           | General Information<br>(see reverse for instructions) |        |
| Inspector Name, Title & Contact Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  | CGP Tracking No.         | MAR10008B | Inspection Date                                       | 3-9-18 |
| Present Phase of Construction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                          |           |                                                       |        |
| Inspection Location (if multiple inspections are required, specify location where this inspection is being conducted)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                          |           |                                                       |        |
| John Viens- Supt. D. W. White Construction, Inc., 867 Middle Rd. Acushnet, MA 02743, jviens@dwwhite.com, (774) 320-5830<br>BATTLE SITE - NO WORK - WHITE START DOWN<br>BATTLE SITE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                          |           |                                                       |        |
| Inspection Frequency (Note: you may be subject to different inspection frequencies in different areas of the site. Check all that apply.)<br>Standard Frequency: <input type="checkbox"/> Weekly <input type="checkbox"/> Every 14 days and within 24 hours of a 0.25" rain<br>Increased Frequency: <input checked="" type="checkbox"/> 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)<br>Reduced Frequency:<br>- <input type="checkbox"/> Once per month (for stabilized areas)<br>- <input type="checkbox"/> 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)<br>- <input type="checkbox"/> Once per month (for frozen conditions where earth-disturbing activities are being conducted) |  |                          |           |                                                       |        |
| Was this inspection triggered by a 0.25" storm event? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>If yes, how did you determine whether a 0.25" storm event has occurred?<br><input type="checkbox"/> Rain gauge on site <input type="checkbox"/> Weather station representative of site. Specify weather station source:<br>Total rainfall amount that triggered the inspection (in inches): 0.31" 3-2-18 1.25" 3-3-18 .44" 3-7-18 1.02" 3-8-18<br>UNSAFE CONDITIONS FOR INSPECTION                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                          |           |                                                       |        |
| Did you determine that any portion of your site was unsafe for inspection per CGP Part 4.1.5? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>If "yes", complete the following:<br>- Describe the conditions that prevented you from conducting the inspection in this location:<br>- Location(s) where conditions were found:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                          |           |                                                       |        |

| Condition and Effectiveness of Erosion, and Sediment (E&S) Controls (CCP Part 2.1) |                                                                     |                                                                     |                                                                           | Notes                         |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------|
| Type/Location of E&S Control<br>[Add an additional sheet if necessary]             | Repairs or<br>Other<br>Maintenance<br>Needed?*                      | Corrective<br>Action<br>Required?*                                  | Date on Which<br>Maintenance or<br>Corrective Action First<br>Identified? |                               |
| 1. N/A                                                                             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                                           | VARIOUS AMOUNTS OF SNOW COVER |
| 2.                                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                               |
| 3.                                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                               |
| 4.                                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                               |
| 5.                                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                               |
| 6.                                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                               |
| 7.                                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                               |
| 8.                                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                               |
| 9.                                                                                 | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |                               |
| 10.                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> 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](http://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<br>[Add an additional sheet if necessary]           | Repairs or<br>Other<br>Maintenance<br>Needed?*                      | Corrective<br>Action<br>Required?*                                  | Date on Which<br>Maintenance or<br>Corrective Action<br>First Identified? | Notes |
| 1. <i>N/A</i>                                                                     | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                                                                           |       |
| 2.                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
| 3.                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
| 4.                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
| 5.                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
| 6.                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
| 7.                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
| 8.                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
| 9.                                                                                | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                                                           |       |
| 10.                                                                               | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> 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/hpd/es/stormwater/swppp](http://www.epa.gov/hpd/es/stormwater/swppp). See Part 5 of the permit for more information.

| Stabilization of Exposed Soil (CGP Part 2.2)                 |                      | Notes                                                                             |
|--------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------|
| Stabilization Area<br>[Add an additional sheet if necessary] | Stabilization Method | Have You Initiated Stabilization?                                                 |
| 1. N/A                                                       | N/A                  | <input type="checkbox"/> YES <input type="checkbox"/> NO<br>If yes, provide date: |
| 2.                                                           |                      | <input type="checkbox"/> YES <input type="checkbox"/> NO<br>If yes, provide date: |
| 3.                                                           |                      | <input type="checkbox"/> YES <input type="checkbox"/> NO<br>If yes, provide date: |
| 4.                                                           |                      | <input type="checkbox"/> YES <input type="checkbox"/> NO<br>If yes, provide date: |
| 5.                                                           |                      | <input type="checkbox"/> YES <input type="checkbox"/> NO<br>If yes, provide date: |

| Description of Discharge (CGP Part 4.1.2.3)                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Was a stormwater discharge or other discharge occurring from any part of your site at the time of the inspection? <input type="checkbox"/> Yes <input type="checkbox"/> No | Observations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1. N/A                                                                                                                                                                     | Describe the discharge:<br><br>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? <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>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. N/A                                                                                                                                                                     | Describe the discharge:<br><br>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? <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>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 P. Vass*

Printed Name and Affiliation: *John P. Vass*

Date: *3-9-18*

**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

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## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Surface Water ▼

Geographic Area:

United States ▼

GO

Click to hide News Bulletins

- **March 30, 2018:** NOTE: An issue with the graphical display of data is currently being investigated. To see a missing plot, click the link for "stand-alone graph" beneath the area of the missing plot. We are investigating the issue and hope to have it resolved soon.
- [Please see news on new formats](#)
- [Full News](#) 

## USGS 01100568 SHAWSHEEN RIVER AT HANSCOM FIELD NEAR BEDFORD, MA

### PROVISIONAL DATA SUBJECT TO REVISION

Available data for this site

Time-series: Daily data ▼

GO

Click to hide station-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 mi<sup>2</sup>.

**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

#### Period of Record

- ☐ All 3 Available Parameters for this site
- ☐ 00010 Temperature, water(Min.,Max.,Mean)
- ☒ 00045 Precipitation(Sum)
- ☐ 00060 Discharge(Mean)

2017-08-02 2018-04-01  
1996-09-30 2018-04-01  
1995-10-01 2018-04-01

#### Output format

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

Days (30)

[Summary of all available data for this site](#)

GO

[Instantaneous-data availability statement](#)

-- or --

#### Begin date

2018-03-01

#### End date

2018-03-31

#### Daily Sum Precipitation, total, inches

| DATE | Mar<br>2018       |
|------|-------------------|
| 1    | 0.00 <sup>P</sup> |
| 2    | 1.55 <sup>P</sup> |
| 3    | 0.00 <sup>P</sup> |
| 4    | 0.00 <sup>P</sup> |
| 5    | 0.04 <sup>P</sup> |
| 6    | 0.00 <sup>P</sup> |
| 7    | 0.91 <sup>P</sup> |
| 8    | 0.53 <sup>P</sup> |
| 9    | 0.00 <sup>P</sup> |
| 10   | 0.00 <sup>P</sup> |
| 11   | 0.00 <sup>P</sup> |
| 12   | 0.00 <sup>P</sup> |
| 13   | 0.60 <sup>P</sup> |



|              |                   |
|--------------|-------------------|
| <b>14</b>    | 0.00 <sup>P</sup> |
| <b>15</b>    | 0.01 <sup>P</sup> |
| <b>16</b>    | 0.00 <sup>P</sup> |
| <b>17</b>    | 0.00 <sup>P</sup> |
| <b>18</b>    | 0.00 <sup>P</sup> |
| <b>19</b>    | 0.00 <sup>P</sup> |
| <b>20</b>    | 0.00 <sup>P</sup> |
| <b>21</b>    | 0.00 <sup>P</sup> |
| <b>22</b>    | 0.12 <sup>P</sup> |
| <b>23</b>    | 0.00 <sup>P</sup> |
| <b>24</b>    | 0.01 <sup>P</sup> |
| <b>25</b>    | 0.02 <sup>P</sup> |
| <b>26</b>    | 0.00 <sup>P</sup> |
| <b>27</b>    | 0.00 <sup>P</sup> |
| <b>28</b>    | 0.00 <sup>P</sup> |
| <b>29</b>    | 0.02 <sup>P</sup> |
| <b>30</b>    | 0.02 <sup>P</sup> |
| <b>31</b>    | 0.00 <sup>P</sup> |
|              |                   |
| <b>COUNT</b> | <b>31</b>         |
| <b>MAX</b>   | <b>1.55</b>       |
| <b>MIN</b>   | <b>0.00</b>       |

### Explanation

|   |                                       |
|---|---------------------------------------|
| P | Provisional data subject to revision. |
|---|---------------------------------------|

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**Title: USGS Surface-Water Daily Data for the Nation**

**URL: [https://waterdata.usgs.gov/nwis/dv?](https://waterdata.usgs.gov/nwis/dv?cb_00045=on&format=html&site_no=01100568&referred_module=sw&period=&begin_date=2018-03-01&end_dat...)**



Page Contact Information: [Massachusetts Water Data Support Team](#)

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1.11 1.02 caww01

## PHOTOGRAPHIC DOCUMENTATION

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# PHOTOGRAPH LOG

## MARCH 5, 2018



FALLEN TREES ALONG THE TRAIL.



EXAMPLE OF STABILIZATION STATUS AFTER RAIN EVENT.





# PHOTOGRAPH LOG

## MARCH 5, 2018



STATUS OF A TYPICAL SLOPE ALONG THE TRAIL AFTER RAIN EVENT.



STATUS OF THE STABILIZATION ALONG POWDER MILL ROAD CULVERT





# PHOTOGRAPH LOG

## MARCH 12, 2018



STATUS OF THE SAFTEY PLATFORM LOCATED AT THE REHABILITATION BRIDGE.



STATUS TRAIL AFTER SNOW EVENT.