



DRAINAGE MONITORING REPORT

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

Known for excellence. Built on trust.

Eversource Transmission
Line:

F107 - Seacoast Reliability Project

Location:

**Durham, New
Hampshire**

GZA Project No:

04.0190967.00

TYPE OF INSPECTION:

- Daily
 Weekly
 Storm Event⁺
 Reduced Frequency⁺⁺
 Other:

Date: **04/18/2021** Time: **1035** ⁺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 Weather Station
 Other If other, please describe: Weather Underground

+Storm event info (approx): Light rain beginning early morning 4/16 with intermittent wintery mix continuing through afternoon of 4/17

Amount of rainfall (inches): 1.34

++Reason for Reduced Frequency
(i.e., Monthly due to dry conditions):

Inspector name(s) and title(s): Matt Deane, Technical Specialist

Others present/affiliation(s):

Weather conditions (since last inspection): Primarily cloudy

Weather conditions (time of inspection): Mostly cloudy, Low 50's

pH Meter Information (make/model): **Hanna HI98107**

Calibration Method: 2 Point
Date: **04/18/2021** Time: **0955**

Notes:

PROJECT TEAM

PROJECT OWNER

Eversource

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CURRENT/RECENT SITE WORK ACTIVITIES / NOTES

- Active construction/earthwork occurring in adjacent parking lot.

PHOTOGRAPHS



UNH Wetland - 1 (Stormwater Area)



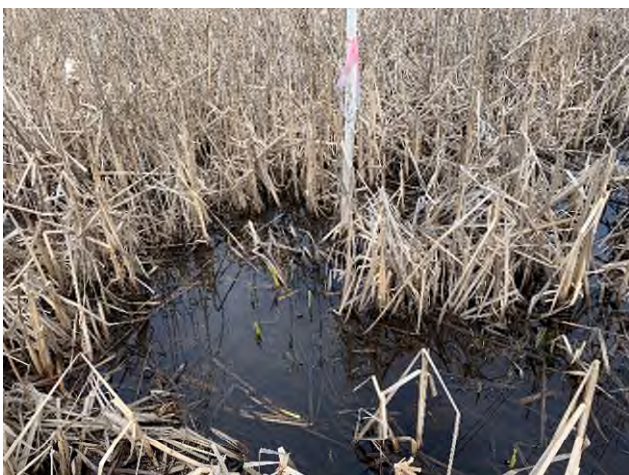
UNH Wetland - 2 (Stormwater Area)



UNH Wetland - 3 (Cattail Wetland)



UNH Wetland - 4 (Cattail Wetland)



UNH Wetland - 5 (Cattail Wetland)



UNH Wetland - 6 (Cattail Wetland)

DRAINAGE AREA MONITORING

Location: UNH Wetland – 1 (Stormwater Area)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: --

Observations/Notes: Dry

Location: UNH Wetland – 2 (Stormwater Area)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: **6.8**

Observations/Notes: Standing water approx. 3" deep, iron-oxide bacteria observed in vicinity.

Location: UNH Wetland – 3 (Cattail Wetland)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: **7.0**

Observations/Notes: Standing water approx. 6" deep.

Location: UNH Wetland – 4 (Cattail Wetland)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: **6.8**

Observations/Notes: Standing water approx. 6" deep.

Location: UNH Wetland – 5 (Cattail Wetland)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: **6.6**

Observations/Notes: Standing water approx. 5" deep.

Location: UNH Wetland – 6 (Cattail Wetland)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: **7.2**

Observations/Notes: Small area of intermittent standing water approx. 0.5" deep.

OTHER COMMENTS AND OBSERVATIONS

- None.



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F107 - Seacoast Reliability Project

Location:

Durham, New Hampshire

GZA Project No:

04.0190967.00

TYPE OF INSPECTION: Daily Weekly Storm Event⁺ Reduced Frequency⁺⁺
 Other:

Date: **04/22/2021** Time: **1015** ⁺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 Weather Station
 Other If other, please describe: Weather Underground

+Storm event info (approx): Intermittent rain with brief thunderstorm afternoon and early evening of 4/21

Amount of rainfall (inches): 0.19

++Reason for Reduced Frequency
(i.e., Monthly due to dry conditions):

Inspector name(s) and title(s): Matt Deane, Technical Specialist

Others present/affiliation(s):

Weather conditions (since last inspection): Primarily cloudy

Weather conditions (time of inspection): Mostly cloudy, Windy, Mid 30's

pH Meter Information (make/model): **Hanna HI98107**

Calibration Method: 2 Point
Date: **04/22/2021** Time: **0930**

Notes:

PROJECT TEAM

PROJECT OWNER

Eversource

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PHOTOGRAPHS



UNH Wetland - 1 (Stormwater Area)



UNH Wetland - 2 (Stormwater Area)



UNH Wetland - 3 (Cattail Wetland)



UNH Wetland - 4 (Cattail Wetland)



UNH Wetland - 5 (Cattail Wetland)



UNH Wetland - 6 (Cattail Wetland)

DRAINAGE AREA MONITORING

Location: UNH Wetland – 1 (Stormwater Area)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: --

Observations/Notes: Dry

Location: UNH Wetland – 2 (Stormwater Area)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: **6.9**

Observations/Notes: Standing water approx. 3" deep, iron-oxide bacteria observed in vicinity.

Location: UNH Wetland – 3 (Cattail Wetland)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: **7.0**

Observations/Notes: Standing water approx. 6" deep.

Location: UNH Wetland – 4 (Cattail Wetland)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: **6.9**

Observations/Notes: Standing water approx. 6" deep.

Location: UNH Wetland – 5 (Cattail Wetland)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: **6.7**

Observations/Notes: Standing water approx. 5" deep.

Location: UNH Wetland – 6 (Cattail Wetland)

Status of surface water at the time of inspection? Dry Standing Flowing

pH: **7.0**

Observations/Notes: Small area of intermittent standing water approx. 0.5" deep.

OTHER COMMENTS AND OBSERVATIONS

- None.