



# DRAINAGE MONITORING REPORT

GEOTECHNICAL | ENVIRONMENTAL | ECOLOGICAL | WATER | CONSTRUCTION MANAGEMENT

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Eversource Transmission  
Line:

## F107 - Seacoast Reliability Project

Location:

### Durham, New Hampshire

GZA Project No:

04.0190967.00

#### TYPE OF INSPECTION:

- Daily  Weekly  Storm Event<sup>+</sup>  Reduced Frequency<sup>++</sup>  
 Other:

Date: **03/19/2021** Time: **0955** <sup>+</sup>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 on 3/18 beginning mid-afternoon and ending late evening

Amount of rainfall (inches): 0.33

++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): Variable sun and clouds, no measurable precipitation

Weather conditions (time of inspection): Sunny, Windy, High 20's

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

Calibration Method: 2 Point

Date: **03/19/2021** Time: **0915**

Notes:

## PROJECT TEAM

### PROJECT OWNER

#### Eversource

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### ENVIRONMENTAL CONSULTANT

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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:

**Location: UNH Wetland – 2 (Stormwater Area)**

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

pH: **7.5**

Observations/Notes: Approx. 2" standing water with some areas of ice.

**Location: UNH Wetland – 3 (Cattail Wetland)**

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

pH: **7.7**

**Observations/Notes:** Intermittent ice with standing water approx. 4" deep.

**Location: UNH Wetland – 4 (Cattail Wetland)**

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

pH: **6.9**

Observations/Notes: Intermittent ice with standing water approx. 6" deep.

**Location: UNH Wetland – 5 (Cattail Wetland)**

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

pH: **6.9**

Observations/Notes: Intermittent ice with standing water approx. 6" deep.

**Location: UNH Wetland – 6 (Cattail Wetland)**

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

pH: --

Observations/Notes: Soil saturated with some minimal standing water, not enough to obtain pH measurement.

**Location: College Brook – 1 (Upstream in Brook)**

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

pH: **Not Monitored**

Observations/Notes:

**Location: College Brook – 2 (Downstream in Brook)**

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

pH: **Not Monitored**

Observations/Notes:

**Location: CB – 1 (Catch Basin)**

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

pH: **Not Monitored**

Observations/Notes:

**Location: CB – 2 (Catch Basin)**

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

pH: **Not Monitored**

Observations/Notes:

**Location: RG – 1 (Rain Garden)**

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

pH: **Not Monitored**

Observations/Notes:

**Location: A Lot – 1 (Drainage Swale)**

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

pH: **Not Monitored**

Observations/Notes:

**Location: Reservoir Brook – 1 (Brook)**

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

pH: **Not Monitored**

Observations/Notes:

**Location:**

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

pH:

Observations/Notes:

**OTHER COMMENTS AND OBSERVATIONS**

- Thin layer of surface ice at monitoring locations UNH Wetland – 2 through UNH Wetland – 5.