



November 19, 2020

Beth Della Valle, AICP  
Director of Planning and Development  
919 Main Street  
Sanford, Maine 04073

RE: 2020 Annual Monitoring Report  
Sand Pond, Sanford, Maine  
St.Germain File No.: 4447-0001

Dear Ms. Della Valle:

On behalf of Hutttopia North America, St.Germain is pleased to submit two (2) copies and an electronic version of the 2020 Sand Pond Annual Monitoring Report for Sand Pond located in Sanford, Maine. The monitoring was performed in accordance with the Sand Pond Monitoring Plan which was approved by the City of Sanford Planning Board in April of 2019. The report provides water quality data and observations collected during the 2020 monitoring events. In addition, this report provides the data on Maine Department of Environmental Protection (Maine DEP) and Lake Stewards of Maine (LSM) forms so that if the City of Sanford desires, the information can be transferred to the DEP lake monitoring data base.

The monitoring program obtains water quality data from three (3) locations in Sand Pond as shown on **Figure 1 – Monitoring Locations Map**. The monitoring locations are located along a traverse line perpendicular to the campground Site with the center point matching a pre-existing Maine DEP pond sampling point (Station 01). At each monitoring point, samples were collected at multiple depths. In accordance with the approved monitoring plan, one sampling event was performed on August 27, 2020.

**Table 1 – Monitoring Program Summary** provides the location and the depth of each sampling point, and the water quality monitoring parameters for each location.

**Table 1**  
**Sand Pond Monitoring Program Summary**  
**Sanford, ME**  
**August 27, 2020**

Sample Point	Lat/Long (Decimal Degrees)	Sample Depths (ft)	Water Quality Parameters
<b>Station 01</b> (~500 ft from West Shore)	43.39442° -70.74998°	0.5, 5, 10	<u>Field Measured</u> - Secchi Disk, Temp, pH, Conductivity, Dissolved Oxygen <u>Laboratory</u> - Total Phosphorous, Alkalinity, Color
<b>Station 02</b> (~250 ft from West Shore)	43.394135° -70.751250°	0.5, 5, 10	<u>Field Measured</u> - Secchi Disk, Temp, pH, Conductivity, Dissolved Oxygen
<b>Station 03</b> (~650 ft from West Shore)	43.393935° -70.749400°	0.5, 5, 10	<u>Field Measured</u> - Secchi Disk, Temp, pH, Conductivity, Dissolved Oxygen

In addition to performing the water quality monitoring, St.Germain also documented any observations of aquatic plants along the monitoring location traverse line. Documentation of observations is included in the field forms and/or photographs (Attachment B and C, respectively).

**Table 2** provides a summary of the water quality data collected during this reporting period.

**Table 2**  
**Sand Pond Monitoring Results**  
**Sanford, ME**  
**August 27, 2020**

Monitoring Point	Secchi Disk Reading	Sampling Depth	Temperature	pH	Specific Conductivity	Dissolved Oxygen	Alkalinity	True Color	Total Phosphorus
	ft	ft	°C	SU	µS/cm	mg/L	mg/L	PTCO	mg/L
<b>Station 01</b>  43.39442° -70.74998°	13.9	0.5	23.46	6.30	38	7.30	5.3	10	0.009
		5	23.47	6.05	38	6.40	4.4 J	15	0.011
		10	23.47	6.03	38	6.75	5.2	15	0.010

Monitoring Point	Secchi Disk Reading	Sampling Depth	Temperature	pH	Specific Conductivity	Dissolved Oxygen	Alkalinity	True Color	Total Phosphorus
	ft	ft	°C	SU	µS/cm	mg/L	mg/L	PTCO	mg/L
Station 02 43.39413° -70.75125°	12.1	0.5	23.55	6.09	40	7.60	NA	NA	NA
		5	23.50	5.80	39	6.42	NA	NA	NA
		10	23.44	5.60	38	5.91	NA	NA	NA
Station 03 43.39393° -70.74940°	12.5 (Pond Bottom)	0.5	23.44	6.15	39	7.04	NA	NA	NA
		5	23.51	5.93	38	6.05	NA	NA	NA
		10	23.50	5.80	38	6.55	NA	NA	NA

**Notes:**

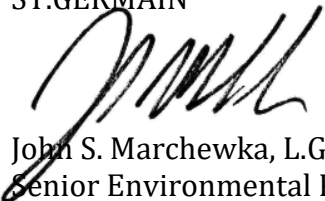
NA - Not Analyzed

U - Not Detected, J Estimated by Lab below the PQL.

Copies of the laboratory report forms are included in **Attachment A** and field forms containing field measured parameters are included in **Attachment B**. Photographs taken during the monitoring event are contained in **Attachment C** and the completed DEP/LSM forms are provided in **Attachment D**.

St.Germain appreciates this opportunity to provide 2020 Sand Pond monitoring data to you. If you have any questions or comments, please feel free to contact us at 207-591-7000 or johnm@stgermain.com.

Sincerely,  
 ST.GERMAIN




John S. Marchewka, L.G.  
 Senior Environmental Project Manager  
 Maine Licensed Geologist No. 319

**FIGURE**  
**Monitoring Locations Map**

**ATTACHMENT A**  
**Laboratory Report Forms**

**ATTACHMENT B**  
**Field Sampling Forms**

**ATTACHMENT C**

**Photographs**

**ATTACHMENT D**

**DEP/LSM Forms**