



October 30, 2023

Jamie Cole
Director of Planning and Development
City of Sanford
919 Main Street
Sanford, Maine 04073

RE: 2023 Annual Monitoring Report
Huttopia North America
Sand Pond, Sanford, Maine
St.Germain File No.: 4447-0001

Dear Ms. Della Valle:

On behalf of Huttopia North America, St.Germain is submitting this 2023 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 2023 monitoring event. In addition, this report presents the data on the Maine Department of Environmental Protection (DEP) and Lake Stewards of Maine (LSM) forms. Therefore, if the City of Sanford desires, the information can be transferred to the DEP lake monitoring database.

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 Huttopia Southern Maine Campground, with the center point matching a pre-existing 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 29, 2023.

Table 1 – Sand Pond 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, Maine August 29, 2023			
Sample Point	Lat/Long (Decimal Degrees)	Sample Depths (ft)	Water Quality Parameters
Station 01 (~500 ft from the western shore)	43.39442° -70.74998°	0.5, 5, 10	<u>Field Measured</u> - Secchi disk, temperature, pH, conductivity, dissolved oxygen

Table 1 Sand Pond Monitoring Program Summary - Sanford, Maine August 29, 2023			
Sample Point	Lat/Long (Decimal Degrees)	Sample Depths (ft)	Water Quality Parameters
			<u>Laboratory</u> - total phosphorous, alkalinity, true color
Station 02 (~250 ft from the western shore)	43.394135° -70.751250°	0.5, 5, 10	<u>Field Measured</u> - Secchi disk, temperature, pH, conductivity, dissolved oxygen
Station 03 (~650 ft from the western shore)	43.393935° -70.749400°	0.5, 5, 10	<u>Field Measured</u> - Secchi disk, temperature, pH, conductivity, dissolved oxygen

In addition to performing the water quality monitoring, St.Germain also documented 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).

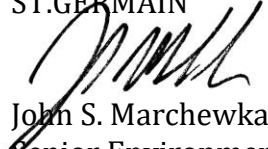
Table 2 - Sand Pond Monitoring Results provide a summary of the water quality data collected during this reporting period.

Table 2 Sand Pond Monitoring Results - Sanford, Maine August 29, 2023									
Monitoring Point	Secchi Disk Reading	Sampling Depth	Temperature	pH	Specific Conductivity	Dissolved Oxygen	Alkalinity	True Color	Total Phosphorus
	ft	ft	°C	SU	mS/cm	mg/L	mg/L	PTCO	mg/L
Station 01 43.39442° -70.74998°	13.0	0.5	25.02	6.96	0.040	8.71	5.4	7.0	0.0050
		5	24.15	6.89	0.039	8.59	6.0	6.0	0.011
		10	23.13	6.55	0.039	8.09	7.0	10	0.0080
Station 02 43.39413° 70.75125°	9.5	0.5	25.08	6.88	0.040	8.70	NA	NA	NA
		5	24.12	6.79	0.039	8.64	NA	NA	NA
		10	23.40	6.70	0.039	8.32	NA	NA	NA
Station 03 43.39393° -70.74940°	10.75	0.5	24.71	7.56	0.039	8.79	NA	NA	NA
		5	24.05	7.30	0.039	8.76	NA	NA	NA
		10	23.32	6.80	0.043	8.20	NA	NA	NA

The laboratory report is included in **Attachment A – Laboratory Report**. Field forms containing field measured parameters and general observations are included in **Attachment B – Field Sampling Form**. Photographs taken during the monitoring event are contained in **Attachment C – Photographs**. The completed DEP/LSM forms are provided in **Attachment D – DEP/LSM Forms**.

St.Germain appreciates this opportunity to provide this 2023 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 Geologist

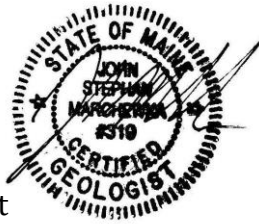
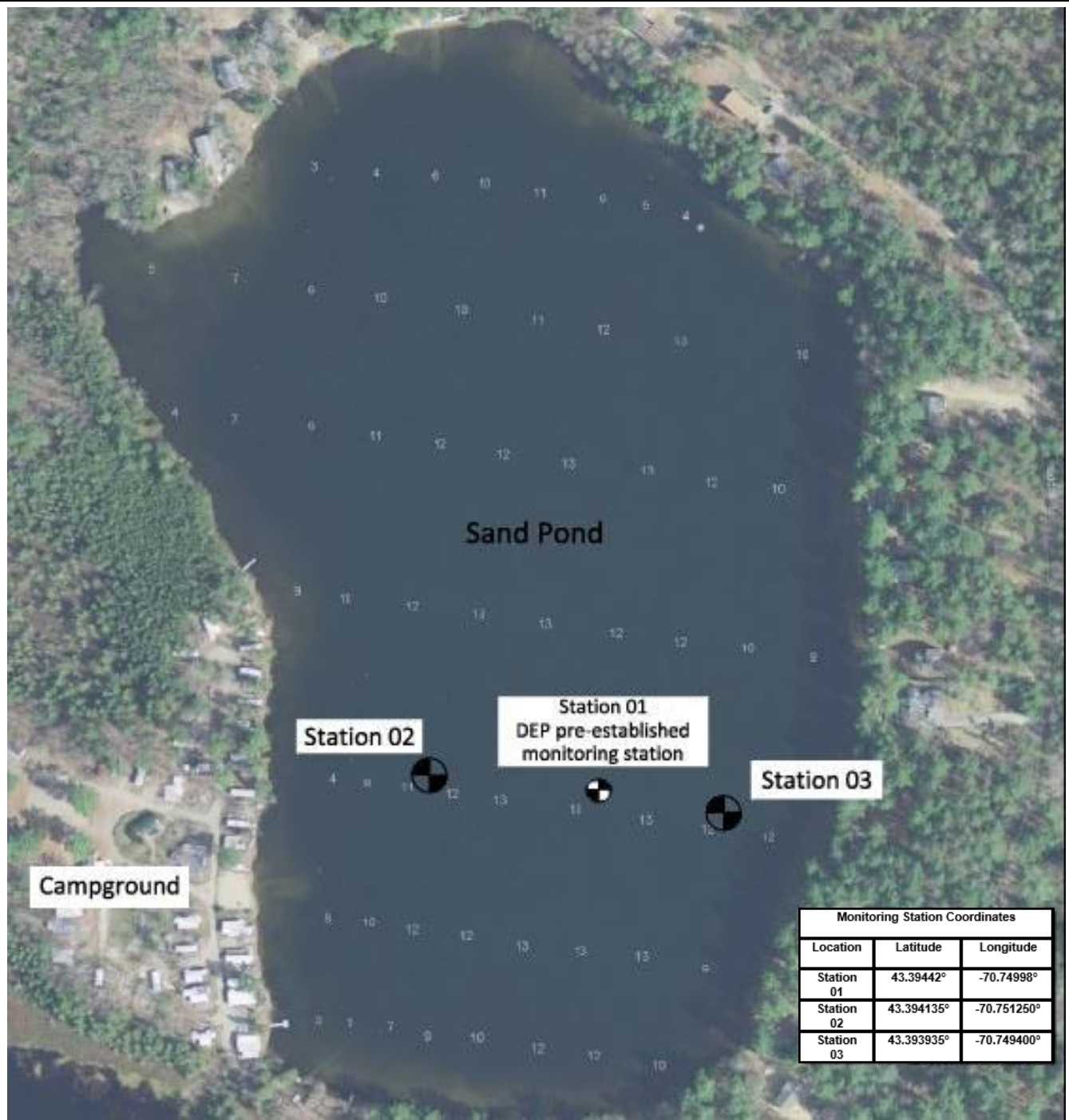


Figure 1 - Monitoring Locations Map

Attachment A – Laboratory Report
Attachment B – Field Sampling Form
Attachment C – Photographs
Attachment D – DEP/LSM Forms

FIGURE 1
Monitoring Locations Map



SOURCE: LAKE STEWARDS OF MAINE

LEGEND



POND SAMPLE STATION

10 DEPTH (FT)



MONITORING LOCATIONS MAP

SAND POND
SAND POND ROAD
SANFORD, MAINE

CLIENT:
HUTTOPIA NORTH AMERICA
149 SAND POND ROAD
SANFORD, MAINE



FIGURE
1

ATTACHMENT A
Laboratory Report

Gabriel McGinn
St. Germain
846 Main St
Westbrook, ME 04092

Katahdin Lab Number: SQ4627
Project Name: Sand pond Huttopia
Project Manager: Darrian Lewry
Sample Receipt Date(s): August 29, 2023

The following information is enclosed:

- * Report of Analysis (Analytical and/or Field)
- * Quality Control Data Summary
- * Chain of Custody (COC)
- * Login Report

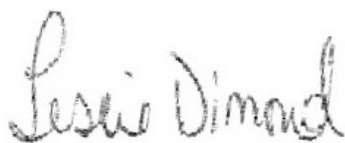
A copy of the Chain of Custody is included in the paginated report. If requested, the original COC is attached as an addendum to this report.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact the project manager listed above. The results contained in this report relate only to the submitted samples. This cover letter is an integral part of the ROA.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in an attached technical narrative or in the Report of Analysis.

We appreciate your continued use of our laboratory and look forward to working with you in the future. The following signature indicates technical review and acceptance of the data.

Please go to <http://www.katahdinlab.com/cert> for copies of Katahdin Analytical Services Inc. current certificates and analyte lists.



Leslie Dimond - Quality Assurance Officer

09/21/2023

Date

Report of Analytical Results

Lab Sample ID: SQ4627-1
Client ID: STA-01(0-0.5')
SDG: SQ4627
Report Date: 08-SEP-23

Matrix	Date Sampled	Date Received							
AQ	29-AUG-23 13:15	29-AUG-23							
Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Alkalinity	5.4 mg/L	5.0	0.23	SM2320B	WG342378	07-SEP-23 13:49	N/A	N/A	
True Color	7.0 PTCO	5.0	5.0	SM2120B	WG341995	30-AUG-23 09:59	N/A	N/A	

Report of Analytical Results

Lab Sample ID: SQ4627-2
Client ID: STA-01(5')
SDG: SQ4627
Report Date: 08-SEP-23

Matrix	Date Sampled	Date Received							
AQ	29-AUG-23 13:05	29-AUG-23							
Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Alkalinity	6.0 mg/L	5.0	0.23	SM2320B	WG342378	07-SEP-23 13:51	N/A	N/A	
True Color	6.0 PTCO	5.0	5.0	SM2120B	WG341995	30-AUG-23 09:59	N/A	N/A	

Report of Analytical Results

Lab Sample ID: SQ4627-3
Client ID: STA-01(10')
SDG: SQ4627
Report Date: 08-SEP-23

Matrix	Date Sampled	Date Received							
Parameter	Result	Adj PQL	Adj MDL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
AQ	29-AUG-23 12:55	29-AUG-23							
Alkalinity	7.0 mg/L	5.0	0.23	SM2320B	WG342378	07-SEP-23 13:53	N/A	N/A	
True Color	10. PTCO	5.0	5.0	SM2120B	WG341995	30-AUG-23 09:59	N/A	N/A	

Quality Control Report
Blank Sample Summary Report

Alkalinity

QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	Units	PQL
WG342378	SM2320B	07-SEP-23	N/A	U5.0	mg/L	5.0

True Color

QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	Units	PQL
WG341995	SM2120B	30-AUG-23	N/A	U5.0	PTCO	5.0

Quality Control Report

Laboratory Control Sample Summary Report

Alkalinity

Laboratory Sample ID	Sample Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amount	Result	Recovery (%)	Acceptance Range	RPD
WG342378-2	LCS	WG342378	07-SEP-23	N/A	mg/L	120	120	104	85-115	
WG342378-3	LCSD	WG342378	07-SEP-23	N/A	mg/L	120	130	106	85-115	2

True Color

Laboratory Sample ID	Sample Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amount	Result	Recovery (%)	Acceptance Range	RPD
WG341995-2	LCS	WG341995	30-AUG-23	N/A	PTCO	50	50.	100	80-120	

Maine Environmental Laboratory

1 Main Street, Yarmouth, ME 04096 Tel.: 207-846-6569 FAX: 207-846-9066 Email: melab@mel-lab.com

Report of Analyses

Report Prepared for:

Darrian Lewry
Katahdin Analytical Services
600 Technology Way
Scarborough, ME 04074

Report Information:

Batch ID: KAT 15779
Report ID: 15779-230920-1255
Date of Issue: September 20, 2023

The complete report consists of the following parts:

Maine Environmental Laboratory report
Chain of Custody form

REPORT NARRATIVE:

Enclosed are results of the analyses for your samples as received by the laboratory. Results are for the exclusive use of the client named on the report and will not be released to a third party without written consent. This report shall not be reproduced except in full without the written consent of the laboratory.

Maine Environmental Laboratory is accredited by the States of Maine (Cert. #ME00028) and New Hampshire (NH ELAP) (Cert. #2031) and is TNI/NELAP accredited. Please refer to our website www.maineenvironmentallaboratory.com for a copy of our Maine and NH ELAP certificates and accredited parameters. When a subcontracted laboratory is listed above, the data produced is by a Maine accredited laboratory accredited for the fields of testing performed.

Unless otherwise noted:

- Samples were received in acceptable condition and analyzed within method hold times.
- Soils, sediments, solids and tissues are reported on dry weight basis. Wipes are reported on an "as received" basis.
- All quality control data demonstrated acceptable limits
- The results reported herein conform to the most current NELAP standards where applicable.
- Analysis of solids for pH, flash point, ignitability, paint filter, corrosivity, conductivity and specific gravity are reported on an "as received" basis.
- Results for "immediate" field parameters tested at the lab such as pH were run outside of the EPA-recommended hold time.
- %RPD is not calculated when the native sample concentration is below 5 x LOQ.

DEFINITIONS:

LOQ / RL - The Limit of Quantitation / Reporting Limit is the minimum level for reporting quantitative data.

LOD / MDL - The Limit of Detection / Method Detection Limit is the minimum level for reporting estimated data.

J - Data reported between the Limit of Quantitation and Limit of Detection is J-flagged as "estimated."

ND or U - Not detected below the LOD / MDL

B - Detected in QC blank

S - Detection Limits increased due to sample matrix

4X - Native sample concentration was greater than 4 times the spike concentration so the spike added could not be distinguished from the native concentration.

% Rec - Percent Recovery; RPD - Relative Percent Difference

D - Duplicate sample

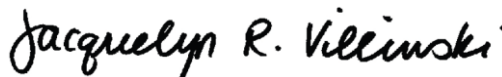
R - Reanalysis

DO - BOD: insufficient dissolved oxygen depletion to calculate Matrix Spike and MSD recoveries.

METHOD REFERENCES:

E365.3: EPA/600/4-79-020, Methods for Chemical Analysis of Water and Wastes, USEPA, Cincinnati, Ohio, March 1983.

This report has been reviewed and authorized by
Jacquelyn R. Villinski, Laboratory Director:



Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096

Tel.: 207-846-6569

FAX: 207-846-9066

Email: melab@mel-lab.com

Darrian Lewry
 Katahdin Analytical Services
 600 Technology Way
 Scarborough, ME 04074

September 20, 2023

Report ID:	15779-230920-1255	Sample ID:	STA-01 (0-0.5')
Batch ID:	KAT 15779	Sample date:	08/29/23 13:15
Date received:	08/31/23	Sample matrix:	WW
Project ID:	SQ4627	Laboratory ID:	230831N010

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOD	LOQ	Method	Tech
Phosphorus as P, total	0.0050	mg/L	09/19/23	12:30	0.001	0.002	E365.3	DJC

Notes:

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096

Tel.: 207-846-6569

FAX: 207-846-9066

Email: melab@mel-lab.com

Darrian Lewry
 Katahdin Analytical Services
 600 Technology Way
 Scarborough, ME 04074

September 20, 2023

Report ID:	15779-230920-1255	Sample ID:	STA-01 (5')
Batch ID:	KAT 15779	Sample date:	08/29/23 13:05
Date received:	08/31/23	Sample matrix:	WW
Project ID:	SQ4627	Laboratory ID:	230831N011

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOD	LOQ	Method	Tech
Phosphorus as P, total	0.011	mg/L	09/19/23	12:30	0.001	0.002	E365.3	DJC

Notes:

Maine Environmental Laboratory

Report of Analyses

One Main Street, Yarmouth, ME 04096

Tel.: 207-846-6569

FAX: 207-846-9066

Email: melab@mel-lab.com

Darrian Lewry
 Katahdin Analytical Services
 600 Technology Way
 Scarborough, ME 04074

September 20, 2023

Report ID:	15779-230920-1255	Sample ID:	STA-01 (10')
Batch ID:	KAT 15779	Sample date:	08/29/23 12:55
Date received:	08/31/23	Sample matrix:	WW
Project ID:	SQ4627	Laboratory ID:	230831N012

Parameter	Results	Units	Date Analyzed	Time Analyzed	LOD	LOQ	Method	Tech
Phosphorus as P, total	0.0080	mg/L	09/19/23	12:30	0.001	0.002	E365.3	DJC

Notes:

Maine Environmental Laboratory**Report of Analyses**

One Main Street, Yarmouth, ME 04096

Tel: 207-846-6569

FAX: 207-846-9066

Email: melab@mel-lab.com

Darrian Lewry
 Katahdin Analytical Services
 600 Technology Way
 Scarborough, ME 04074

Date of Issue: 9/20/2023**Report ID:** 15779-230920-1255

QC Data
Method Blanks, Laboratory Control Samples, Sample QC

Analyte	QCType	Result	Value	Units	Max	Min	Reference	Ref. Value	Units	Lab SampleID
Phosphorus as P, tota	LCS - AQ	Rec	104	%	121	79	Conc	0.026	mg/L	
Phosphorus as P, tota	Method Blank - AQ	Conc	0 U	mg/L	0.002					

MEL



Sub-contract Laboratory Chain of Custody

KAT15779

Client: Katahdin Analytical Services	Contact: Darrian Lewry	Email: dlewry@katahdinlab.com			Phone #: (207) 874-2400
Address: 600 Technology Way	City: Scarborough	State: Maine	Zip: 04074		Project Name:
KAS WO #: SQ4627	Quote #:	Purchase Order #:			TAT: Verbal TAT:
RPT Level:	Reporting Format:	EDD:			Analysis: Total Phos. Filtered? Y/N
Sample ID:	Collect Date/Time:	Matrix:	No. of Containers	Pres.	MS/MSD Dup.
STA-01(0-0.5')	29-AUG-23 13:15	AQ	1	H ₂ SO ₄	NO
STA-01(5')	29-AUG-23 13:05	AQ	1	↓	NO
STA-01(10')	29-AUG-23 12:55	AQ	1	↓	NO

Analysis: Filtered? Y/N	Analysis: Filtered? Y/N	Analysis: Filtered? Y/N
X	230831	NO
X		011
X		012

Relinquished By:  **Date/Time:** 8/31/23 1310 **Received By:**  4.7°C

Comments:
Needs detection limit of 1 PPB

MEL



Sub-contract Laboratory Chain of Custody

Client: Katahdin Analytical Services	Contact: Darrian Lewry		Email: dlewry@katahdinlab.com			Phone #: (207) 874-2400		
Address: 600 Technology Way	City: Scarborough		State: Maine	Zip: 04074		Project Name:		
KAS WO #: SQ4627	Quote #:		Purchase Order #:			TAT: Verbal TAT:		
RPT Level:	Reporting Format:		EDD:			Analysis: Phosphorus	Analysis:	Analysis:
Sample ID:	Collect Date/Time:	Matrix:	No. of Containers	Pres.	MS/MSD Dup.	Filtered? Y/N	Filtered? Y/N	Filtered? Y/N
STA-01(0-0.5')	29-AUG-23 13:15	AQ	1	4°C	no	X	/	/
STA-01(5')	29-AUG-23 13:05	AQ	1	↓	no	X		
STA-01(10')	29-AUG-23 12:55	AQ	1	↓	no	X		
Relinquished By: <i>[Signature]</i>	Date/Time: 9/14/23 1245		Received By: <i>[Signature]</i>					
Comments: Additional volume per attached email 4.9°C								

Katahdin Analytical Services, LLC.

Sample Receipt Condition Report

Client: <i>St. Germain</i>	KAS PM: <i>DL</i>	Sampled By: <i>Client</i>
Project:	KIMS Entry By: <i>MW</i>	Delivered By: <i>Client</i>
KAS Work Order#: <i>SQ4627</i>	KIMS Review By: <i>M</i>	Received By: <i>MW</i>
	Labeled By: <i>MW</i>	
SDG #:	Cooler: <u>1</u> of <u>1</u>	Date/Time Rec.: <i>5/29/23 1445</i>

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		/			
2. Chain of Custody present in cooler?	/				
3. Chain of Custody signed by client?	/				
4. Chain of Custody matches samples?	/				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	/				Temp (°C): <i>2.5</i> Thermometer ID: IR-1
Samples received at <6 °C w/o freezing?	/				Note: Not required for metals (except Hg soil) analysis.
Ice packs or ice present?	/				The lack of ice or ice packs (i.e. no attempt to begin cooling process) or insufficient ice may not meet certain regulatory requirements and may invalidate certain data.
If yes, was there sufficient ice to meet temperature requirements?	/				
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				/	Note: No cooling process required for metals (except Hg soil) analysis.
6. Volatiles: Aqueous: No bubble larger than a pea? Soil/Sediment: Received in airtight container? Received in methanol? Methanol covering soil? D.I. Water - Received within 48 hour HT?				/	
7. Trip Blank present in cooler?				/	
8. Proper sample containers and volume?	/				
9. Samples within hold time upon receipt?	/				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH - pH <2 Sulfide - >9 Cyanide - pH >12	/			/	
11. Bottleware Prepped on:					

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments.

PLEASE BEAR DOWN AND
PRINT LEGIBLY IN PEN

Page ___ of ___

Client St. Germain Contact Gabriel McInnis Phone # (207) 400 6305 Fax # ()
 Address 846 Main Street City Westbrook State ME Zip Code 04092
 Purchase Order # L1447-0001 Proj. Name / No. Sand Pond Huttopia Katahdin Quote #
 Bill (if different than above) — Address —

Sampler (Print / Sign) Gabriel McInnis Copies To: gabem@stgermainme.com
 LAB USE ONLY WORK ORDER #: SQ 4627
 KATAHDIN PROJECT NUMBER 4627

REMARKS:
 SHIPPING INFO: FED EX UPS CLIENT
 AIRBILL NO:
 TEMP°C TEMP BLANK INTACT NOT INTACT

ANALYSIS AND CONTAINER TYPE
PRESERVATIVES

Filt.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.	Filt.
<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> Y	<input type="checkbox"/> N
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

True Color ≤ 6.0
Alkalinity ≤ 6.0
Total Phosphorus H₂SO₄

* Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.
<u>STA-01 (0-0.5')</u>	<u>8/24/23 / 13:15</u>	<u>Aq</u>	<u>2</u>
<u>STA-01 (5')</u>	<u>8/24/23 / 13:05</u>	<u>Aq</u>	<u>2</u>
<u>STA-01 (10')</u>	<u>8/24/23 / 12:55</u>	<u>Aq</u>	<u>2</u>
	/	/	/
	/	/	/
	/	/	/
	/	/	/
	/	/	/
	/	/	/
	/	/	/
	/	/	/
	/	/	/
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	/	/	/
	/	/	/
	/	/	/
	/	/	/
	/	/	/
	/	/	/
	/	/	/

COMMENTS: Alkalinity/ DL of 2mg/L required. • Phosphorus DL of 1ppb required. • MEDEP EPD required.
• Report true color, not apparent. • Historic WO₃ SN7229, S05405 SP4789

Relinquished By: (Signature) <u>[Signature]</u>	Date / Time <u>8/24/23 14:45</u>	Received By: (Signature) <u>[Signature]</u>	Relinquished By: (Signature) _____	Date / Time _____	Received By: (Signature) _____
Relinquished By: (Signature) _____	Date / Time _____	Received By: (Signature) _____	Relinquished By: (Signature) _____	Date / Time _____	Received By: (Signature) _____

Aug. 30, 2023

08:32 AM

Login Number: SQ4627

Account: STGERMAINCOLLINS001

St. Germain Collins

Project:

Primary Report Address:

Gabriel Mcginn

St. Germain

846 Main St

Westbrook, ME 04092

gabem@stgermain.com

Primary Invoice Address:

Accounts Payable

St. Germain Collins

846 Main Street #3

Westbrook,ME 04098

ap@stgermaincollins.com

Report CC Addresses:

Invoice CC Addresses:

Quote/Incoming: STGERM001

Login Information

ANALYSIS INSTRUCTIONS : Need alkalinity detection limit of 2 mg/L
CHECK NO. :
CLIENT PO# :
CLIENT PROJECT MANAGE :
CONTRACT :
COOLER TEMPERATURE : 2.5
DELIVERY SERVICES : Client
EDD FORMAT :
ISM INSTRUCTIONS :
LOGIN INITIALS : MLV
PM : DL
PROJECT NAME : Sand pond Huttochia
QC LEVEL : II
REPORT INSTRUCTIONS : email pdf and invoice to paulp@stgermain.com
and johnm@stgermain.com, no HC
SDG ID :
SDG STATUS :
TEMPLATE :
VERBAL TAT :

Login Number: SQ4627

Quote/Incoming: STGERM001

Account: STGERMAINCOLLINS001

St. Germain Collins

Project:

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Due Date	Verbal Due Date	Mailed
SQ4627-1	STA-01(0-0.5')	29-AUG-23 13:15	29-AUG-23		08-SEP-23		
Sample Comments:							
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Notes</i>		<i>Bottle Type</i>		
Aqueous	S MISC-SUB				125mL Plastic+H2SO4		
Aqueous	S SM2120-TRUECOLOR	31-AUG-23	SHORT		500mL Plastic		
Aqueous	S SM2320B-ALKALINITY	12-SEP-23					
Service	S WASTE-DISPOSAL						
SQ4627-2	STA-01(5')	29-AUG-23 13:05	29-AUG-23		08-SEP-23		
Sample Comments:							
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Notes</i>		<i>Bottle Type</i>		
Aqueous	S MISC-SUB				125mL Plastic+H2SO4		
Aqueous	S SM2120-TRUECOLOR	31-AUG-23	SHORT		500mL Plastic		
Aqueous	S SM2320B-ALKALINITY	12-SEP-23					
Service	S WASTE-DISPOSAL						
SQ4627-3	STA-01(10')	29-AUG-23 12:55	29-AUG-23		08-SEP-23		
Sample Comments:							
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Notes</i>		<i>Bottle Type</i>		
Aqueous	S MISC-SUB				125mL Plastic+H2SO4		
Aqueous	S SM2120-TRUECOLOR	31-AUG-23	SHORT		500mL Plastic		
Aqueous	S SM2320B-ALKALINITY	12-SEP-23					
Service	S WASTE-DISPOSAL						

Total Samples: 3

Total Analyses: 12

ATTACHMENT B
Field Sampling Form



PROJECT: Huttopia Sand Pond Sanford, ME

Date: 8/29/2023

Weather: Sunny, 70's °F

Wind Speed: ~6 mph

Wind Direction: N/NW

Sample Time

13:15
13:05
12:55

Pond Sampling Measurement Data Record						
Monitoring Point	Secchi Reading (ft)	Sample Depth (ft)	Temperature (°C)	pH (S.U.)	Specific Conductivity (ms/cm)	Dissolved Oxygen (mg/L)
01	13'	0.5	25.02	6.96	0.040	8.71
		5.0	24.15	6.89	0.039	8.59
		10.0	23.13	6.55	0.039	8.09
02	9.5'	0.5	25.08	6.88	0.040	8.70
		5.0	24.12	6.79	0.039	8.64
		10.0	23.40	6.70	0.039	8.32
03	10.75'	0.5	24.71	7.56	0.039	8.79
		5.0	24.05	7.30	0.039	8.76
		10.0	23.32	6.80	0.043	8.20
<p>General Observations: Utilize TSI with 10' cord, SN 130101776, rental from pine and calibrated.</p> <p>Normal vegetative growth observed in and on edge of pond around monitoring areas.</p>						
<p>Photos Taken? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>						

Field Sampler(s): Gabriel McGinn, Joe Clayton

ATTACHMENT C

Photographs



Photograph #1: Vegetation observed south of the Huttopia beach area.



Photograph #2: Vegetation observed north of the Huttopia beach area.



Photograph #3: Huttopia campground as viewed from the east on Sand Pond.



Photograph #4: The southern shore of Sand Pond.

ATTACHMENT D

DEP/LSM Forms

WIND DIR. CODES
 N = 1 S = 5
 NE = 2 SW = 6
 E = 3 W = 7
 SE = 4 NW = 8
 no wind, enter 0

LAKE Sand Pond TOWN Sanford
 STATION DESCRIPTION 01 COUNTY York

STATION: LAT 43.39442°N LONG 70.74998°W DATUM Decimal Degrees ACCURACY _____ ON TARGET? Y / N

LAKE MIDAS STATION CERTIFIED MONITORS 1 & 2 (Last name, First name) PROJECT

9999 3862 01 MCGINN, GABRIEL E I 0 3
CLAYTON, JOE

MONTH DAY YEAR MILITARY TIME WIND VELOCITY WIND DIRECTION Sky Condition at Time of Secchi Readings - CIRCLE ONE Gloeco Category (0 to 6; Refer to Visual Aid)

08 29 2023 1250 0.6 8 B C O 1

DIRECTIONS: Use this form when obtaining Temp./D.O. profiles. Please fill out completely. Please indicate missing data by filling spaces with 9s.

SCOPE TYPE CODES:
 1 = None
 2 = Flat glass, no mask
 3 = Slant glass, no mask
 4 = Slant glass & mask
 5 = Flat glass & mask
 6 = 6" diameter, slant glass & mask

PLEASE HELP US AVOID DUPLICATE DATA IN THE DATASET BY ENTERING SECCHI DATA ON ONLY ONE FORM.

SECCHI (meters) SCOPE TYPE DISK HIT BOT? Y/N MONITOR'S QA CERTIFICATION # READING # (1, 2 etc)

396 1 N 99-9999 1

TEMPERATURE / DISSOLVED OXYGEN PROFILES

PLEASE CIRCLE D.O. METHOD: Titration: Hach Kit Lamotte Kit Other Kit Meter (enter model): YSI Meter 556 Hach Meter _____ Other Meter: _____ METER ID#: _____

CIRCLE DEPTH UNITS: METERS FEET CIRCLE TEMP. UNITS: CENT. / FAREN. Check to indicate D.O. meter was calibrated

DEPTH	WATER TEMP	OXYGEN (mg/l)	DEPTH	WATER TEMP	OXYGEN (mg/l)	DEPTH	WATER TEMP	OXYGEN (mg/l)
<u>0.5</u>	<u>25.0</u>	<u>8.7</u>						
<u>1.</u>			<u>11.</u>					
<u>2.</u>			<u>12.</u>					
<u>3.</u>			<u>13.</u>					
<u>4.</u>			<u>14.</u>					
<u>5.0</u>	<u>24.1</u>	<u>8.6</u>	<u>15.</u>					
<u>6.</u>								
<u>7.</u>								
<u>8.</u>								
<u>9.</u>								
<u>10.0</u>	<u>23.1</u>	<u>8.1</u>						

Required QA/QC Dupes (1 for every 10)

BOTTOM: _____ CORE DEPTH: _____ CHL. #: _____ TP #: _____ AIR TEMP: _____ C/F

COMMENTS: _____

SIGNATURE: Gabriel McGinn, St. Germain

DATA PROCESSING STAFF ONLY
 Please Date & Initial

Checked	-	-
Entered	-	-
Proofed	-	-

LAKE Sand Pond DATE 8/29/2023 M = Meters F = Feet
 MIDAS 3862 STATION 01 C = Core G = Grab

METHODS: pH: C = Colorimetric, E = Electronic, A = Air Equilibrated, S = Sonde
 Color: A/T = Apparent (unfiltered) / True (filtered)
 N = Nessler, H = Hach wheel, F = Field Kit, S = Spectrophotometer
 Conductivity: F = Field meter, L = Lab meter, S = Sonde
 Alkalinity: M = Methyl Orange, G = GRAN Plot, L = Lamotte,
 B = Methyl red/bromocresol green, O = other

REP: Assign a unique number for each replicate taken. e.g. 1, 2, 3, 4... PAGE 2
 LAB CODES: H = HETL, P = PWD, C = Colby, N = Northeast Labs, S = Sawyer/Orono, D = DEP, U = UNH, O = Other Katahdin

DEPTH	M/F	C/G	pH	M	L	COLOR	A/T	M	L	CONDUCTIVITY	M	L	ALKALINITY	M	L	TP LABEL	TP (ppb)	Lab Code #	Rep #	CHL a (ppb)	Lab Code #	Rep #
0.5	F	G	6.96	E		7.0	A			0.040	F		5.4			Total Phosphorus	50					
5.0	F	G	6.89	E		6.0	A			0.039	F		6.0			Total Phosphorus	110					
10.0	F	G	6.55	E		1.0	A			0.039	F		7.0			Total Phosphorus	80					

ZOOPLANKTON: # of Tows _____ Depth of Tows _____ Net I.D. _____ Notes: _____

PHYTOPLANKTON: # of Cores _____ Depth of Cores _____ Notes: _____

SURFACE SEDIMENTS: # of Cores _____ Sed. Color _____ Sed. Odor _____ Worm Tubes? Y / N Notes: _____

LITTORAL EVALUATIONS COMPLETED: # Sites: _____ pHab: _____ Shoreline: _____ Macrophytes: _____ Macroinvertebrates: _____

PHOTOGRAPHS: Camera ID _____ # Taken _____ Descriptions: _____

NOTES: _____

Uncorrected Conductivity: _____ Temp: _____ °C Cond. Cell Constant: _____

Who determined pH, Color, Cond. & Alk? _____

Form DEP - 142c (Rev 2/18)