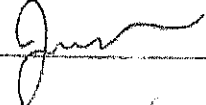


Station ID	Station Name	Zone	Depth	Startdate	Activity ID	Color	Cl	Chl-a	EC	ANC	PH	TP	Secchi	Cond	Turb		
													NVS	VS			
PRANWID	Pratt Pond-Deep Spot	Comp	2M	6/26/2019	2019-1665			3.93									
				7/31/2019	2019-3428			2.77									
			1M	6/26/2019	2019-1662	30	<3		1.90	6.32	0.0092	2.50	19.77	0.65			
PRANWINW	Pratt Pond-South Inlet	Hypo	1.5M	7/31/2019	2019-3421	40	<3			2.80	6.72	0.0076	2.75	21.10	0.80		
					2019-3422	40	<3		2.40	6.54			21.20	0.85			
			2M	6/26/2019	2019-1663				6.38	0.0116			19.94	0.82			
PRANWISI	Pratt Pond-Nw Cove			7/31/2019	2019-3425				2								
				6/26/2019	2019-1664				5.42	0.0068			14.21	0.22			
				7/31/2019	2019-3423				5.46	0.01			15.01	0.27			
				2019-3424						5.47			14.96	0.31			

Please Note: pH (units), TP (mg/L) (ND = < 0.005 mg/L), Cond (UMHOS/cm), Secchi (M) VS = ViewScope, NVS=NonViewScope, EC = E. coli (ctc/100ml), Turbidity (NTU), ANC (mg/L), Chloride (mg/L), Chl-A (mg/M3), Color is Apparent Color (PCU)

SAMPLING TASK	ASSESSMENT RATING		COMMENTS
	NEEDS IMPROVEMENT	GOOD	
Transparency			
1. Secchi disk properly set up		✓	
2. Non-viewscope readings taken on the <u>shady</u> side of boat		✓	
3. Viewscope readings taken on the <u>sunny</u> side of the boat		✓	
4. Disk lowered until it just disappears		✓	
5. Disk pulled up until white portion just appears		✓	
6. Chain grabbed at water level and depth estimated to tenths of a meter		✓	
7. One reading taken by at least two monitors		✓	
III. TRIBUTARY SAMPLING			
1. Sample not collected if tributary is not flowing or is too shallow to avoid disturbance to bottom and noted on data sheet		✓	
2. Sample collected upstream if sediment disturbed		✓	
3. Tributary flow conditions recorded on data sheet		✓	
4. White bottle was rinsed with sample by scooping into the flow, discarding downstream, and refilling bottle		✓	
5. TP bottle was <i>NOT RINSED</i> with sample		✓	
6. TP bottle was filled to the <i>SHOULDER</i> from white bottle and not over-filled.		✓	
7. White bottle was refilled or topped-off to the neck of the bottle		✓	
IV. BACTERIA SAMPLING			
1. Sterile small white bottle used for collection		✓	
2. Cap was removed just prior to collection		✓	
3. Care was taken to avoid touching the neck, inside the bottle, or cap		✓	
4. Lake water: sample taken at approx. knee depth		✓	
5. Flowing stream: sample taken midway b/w top & bottom of water, in upstream direction		✓	
6. Mouth of bottle pointed towards water surface, submerged completely, and then used to scoop water in an upward "U-shaped" motion away from the person taking the sample		✓	
7. Bottle was <i>NOT RINSED</i> with sample to avoid contamination		✓	
8. Bottle was filled completely allowing some air space at top of bottle.		✓	
9. Efforts made to avoid getting sediment and debris in sample		✓	
V. SAMPLE LABELING			
1. Bottles properly labeled with waterproof pen <i>lake name, station, date, time, depth (for deep spot)</i>		✓	
VI. FIELD DATA SHEET			
Data sheet was properly filled out		✓	
One field data sheet per deep spot filled out		✓	
VII. CORRECTIVE ACTIONS			
Were monitors notified of methods that need improvement? Yes ✓ No			
Were monitors re-trained by the biologist in areas needing improvement? Yes No X			
Any other corrective actions necessary? Yes No X			
If "Yes" specify additional corrective actions necessary: <u>ancher!</u>			

Signature (monitors): 

Signature (DES biologist): Keri Strobel

3 sets 3 EC



New Hampshire Volunteer Lake Assessment Program 2019 Field Data Sheet ANNUAL BIOLOGIST VISIT



Lake Name: Pratt Pond Town: New Ipswich
 Volunteer Monitors: Joseph Woodworth, Dan Date Sampled: 07/31/19
Blanchette Time Sampled: 10:17
 Bottom Depth: 2.5 m (m) (3)
 VLAP Biologist Name: Kerri Strobeck

WEATHER CONDITIONS (Circle one for each):

<u>Cloud Cover</u>	<u>Air Temperature</u>	<u>Wind Conditions</u>	<u>Water Surface</u>	<u>Lake Level</u>
Clear	<40° cold	Calm	<u>Calm</u>	High
<u>Clazy</u>	41°-60° cool	<u>Breezy</u>	Ripples	<u>Normal</u>
Partly cloudy	61°-80° warm	Strong	Small waves	Low
Overcast	<u>80° hot</u>	Gusty	Moderate waves	
			White caps	

PRECIPITATION CONDITIONS (Check off all that apply):

Rain while sampling: _____ Rain in previous 24 hrs.: Rain in previous 48 hrs.: _____ Rain in previous 72 hrs.: _____
 Indicate how much rain: TRACE OR No rain for past _____ days

DEEP SPOT SAMPLES (One Large White and One Small Brown Bottle (with acid) at each depth collected with Kemmerer bottle):

2019 Sample Depths (meters): 1.5, _____, _____
 2018 Sample Depths (meters): 1.5, _____, _____

Note condition of hypolimnion sample: clear sediment cloudy cloudy & colored
EPILIMNION

CHLOROPHYLL-A SAMPLE (One Large Brown Bottle (does not contain acid):

Sample Depth: 2 m (2)
 Method: Composite Integrated Tube

QA/QC SAMPLE COLLECTION (To be collected by the volunteer monitors during the annual visit):

DUPLICATE SAMPLES (check off when collected):
COLLECT ONE EACH DURING EACH SAMPLING EVENT:
 Deep Spot Hypolimnion = 1 white bottle:
 Tributary = 1 white bottle:
COLLECT ONE EACH ONCE PER WEEK
 Chlorophyll-a: _____
 Dissolved Oxygen Profile:

SECCHI DISK TRANSPARENCY	
Without View Scope (required)	With View Scope (required)
Please take reading on <u>SHADY</u> side of boat.	Please take reading on <u>SUNNY</u> side of boat.
Reading 1 <u>2.5</u> m	Reading 1 <u>2.5</u> m
Disk visible on bottom? _____	Disk visible on bottom? _____
Reading 2 <u>3.0</u> m	Reading 2 <u>2.5</u> m
<input checked="" type="checkbox"/> yes _____ no	<input checked="" type="checkbox"/> yes _____ no
Reading 3 _____ m	Reading 3 _____ m
Reading 4 _____ m	Reading 4 _____ m
Average: <u>2.75</u> m	Average: <u>2.5</u> m
	OVER →

TRIBUTARY SAMPLES COLLECTED (One large white bottle and one small brown (with acid) per tributary station. Optional: One small white bottle (E. coli). List the station name, stream flow and conditions at time of sampling. Check off appropriate column for bottles collected.

Station Name	Stream Flow Conditions and Observations (Dry, Stagnant, Low, Moderate, High)	Big white bottle (pH, turb., cond., chloride)	Sm. brown bottle (phosphorus)	Sm. white Bottle (E. coli)
SOUTH INLET	Moderate	✓	✓	
SOUTH INLET-DUP	Moderate	✓		
NW COVE				✓

NEW SAMPLING LOCATION

Did you sample at a new location this sampling event? (Circle one) YES NO

If "Yes", provide a map with station location and complete a station identification form for each new sampling station and submit with samples.

Print out a Station Identification Form from the DES website at:
<http://des.nh.gov/organization/divisions/water/wmb/sampling.htm>

If you do not have a station identification form, provide the following information:

Station Name: _____

Type of Station (specify in-lake (near shore), river/stream): _____

Station Location: (Please provide one of the following):

1. Latitude/Longitude Coordinates: GPS coordinates: _____ °N Lat _____ °W Long

Specify make and model of GPS: _____

2. Include a map indicating the approximate location of station and station name.

FIELD OBSERVATIONS (Please note any watershed observations, areas of erosion and sedimentation, recent storms/droughts, algal blooms, suspicious looking plants, wildlife observed, sampling problems, equipment problems, and areas of concern):