



2019 Lake Sampling Field Data Sheet

New Hampshire Volunteer Lake Assessment Program



RSA 487:31

Lake Name: _____ **Town:** _____

Field Monitors: _____ **Date Sampled:** _____

_____ **Time Sampled:** _____

_____ **Bottom Depth at Deep Spot:** _____ **m**

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	Calm	High
Hazy	41°-60° cool	Breezy	Ripples	Normal
Partly cloudy	61°-80° warm	Strong	Small waves	Low
Overcast	>80° hot	Gusty	Moderate waves	
			White Caps	

PRECIPITATION CONDITIONS (Check off all that apply):

Rain while sampling: _____ Rain previous 24 hrs.: _____ Rain previous 48 hrs.: _____ Rain previous 72 hrs.: _____

Indicate how much rain: _____ **OR** No rain for past _____ days

SAMPLING REMINDERS

- Bring your VLAP Field Manual for reference, and a clipboard to secure field data sheets.
- Complete the Field Sampling Procedures Checklist.
- Notify the lab when you plan to return samples. (VLAP Coordinator: 271-2658, sara.steiner@des.nh.gov; or DES JCLC 271-4793; or CSC Lab: 526-3486, teriko.macconnell@colby-sawyer.edu)

VOLUNTEER TRAINING QUALIFICATIONS:

Did one monitor who sampled today attend the VLAP Refresher Workshop this spring? **YES NO**

If "NO": Did at least one monitor who sampled today already sample with the DES Biologist during the annual visit? **YES NO**

If "NO": Were you trained by another experienced volunteer this season? **YES NO**

If "YES", please list name of volunteer who trained you: _____

If you answered "NO" to the above three questions, please briefly describe your training: _____

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

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

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

CHLOROPHYLL-A SAMPLE (One Large Brown Bottle, does not contain acid) : Check the method used and record sample depths

COMPOSITE Sample Depths: _____, _____, _____, _____, _____, _____ meters
(Start at mid-point of the middle layer (stratified lakes w/ 3 layers) or 2/3 total depth (un-stratified lakes or lakes with two layers) and collect a sample at each meter up to 1 meter and composite in bucket.)

INTEGRATED TUBE Sample Depth: surface to _____ meters
(Start at water's surface and lower tube to the mid-point of the middle layer or 2/3 total depth and collect a column of water to deposit in bucket.)

SECCHI DISK TRANSPARENCY (conduct at least two readings and take the average)

Without Viewscope (required)

Please take reading on **SHADY** side of boat.

_____ m _____ m Disk visible on bottom?
 _____ m _____ m ___yes ___no
 _____ m _____ m

Average: _____ m

With Viewscope (required)

Please take reading on **SUNNY** side of boat.

_____ m _____ m Disk visible on bottom?
 _____ m _____ m ___yes ___no
 _____ m _____ m

Average: _____ m

