

Cyanobacteria Bloom Response Field Data Sheet

2021 RQ-2019-04-19-47		Collected By:	FDEP DEAR NERO C							
Customer	WQMP	Field Report Prepared By:	B. J. J.							
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP							
Field ID:		Comments:								
WIN ID/Field ID:		5th sampling Water much clearer								
Lake Winnott -147 Bakers Acres Dr.		Collection Equipment:	Outlo #44							
Matrix:	SL	(Grab)	Coordinates:	29.65115 82.04718						
Tide:	☐ Rising ☐ Falling ☐ Slack ☒ N/A	High Tide Time:	Low Tide Time:							
Water Quality										
Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPT)	Secchi Disk (m)	Total Depth (m)
4/29/21	1125	8.14	100.3	26.0	6.16	0.3	51.4	0.02	1.5	2.3
	1117	8.06	98.8	25.7	6.24	1.8	51.4	0.02		
Bloom Observations										
Algal Bloom Observed? ☒ Yes ☐ No										
Water Surface	☐ Clear	☐ Scum	☒ Globs		☐ Slick					
Water Clarity	☒ Clear	☐ Slightly Turbid	☐ Turbid		☐ Opaque					
Bloom Color	☒ Green	☐ Red	☐ Brown		☐ Other: _____					
Algae Distribution	☒ Suspended in water column		☐ On surface		☐ Other: _____					
Water Odors	☒ Normal	☐ Sewage	☐ Petroleum		☐ Chemical		Other: _____			
Parameter Suite	Parameter Methods		Preservation		pH Check	#Bottles Sent to Lab	Bottle Group			
Bloom ID (PT-50ML)	☒ BLOOM-ID		☒ Ice			1	A			
Chlorophyll (BP-1L)	☒ CHLSUITE-W		☒ Ice			1	B			
Toxins (BG-WD250)	☒ W-MCYST-AA		☒ Ice			1	B			
Preserved Nutrients (500mL HDPE)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP		☒ Ice	☒ H2SO4	☒ <2	1	B			
	Lot	5T0292040	Exp:	10/19/21	☒ <2					
Filtered Nutrients (P125mL)	☐ W-PO4-F	☒ Field Filtered 0.45um Filter		☐ Ice		1	B			
Quantitative Algae	☒ DTY-QN-C / PKD-QN-C		☐ Ice	☒ Lugols		1	B			
Relinquished By:	Date/Time	Number of Coolers Shipped		Received By:	Date/Time					
Jerry Barr	4/29/21 1600	1								

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there are qualified data on this page.

Meter ID: YSI 5722

RQ: 2021-04-19-47

Project: Alyce R/002

- Notes: (1) Always wait for meter to stabilize before recording any readings.
 (2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
 (3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Temperature (Quarterly) FT 1400

Date of Last Temperature Verification 2/15/21

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp °C	Baro-meter mmHg	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	J. P. msh	4/24/21	739	21.1	763	8.9	8.9	100.4	—	1.038	☒ F	☒ F
ICV	L	4/24/21	740	21.0	763	8.9	8.98	100.5	—	1.038	☒ F	☒ F
CCV	J. P. msh	4/24/21	1355	23.9	762	8.5	8.58	101.7	—	1.038	☒ F	☒ F
CCV											P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L.

Rapid-Pulse Sensors: DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.

Optical: DO gain range 0.85 to 1.15 (Pro DSS 0.75 to 1.50); DO charge N/A. Steady-state & Galvanic Sensors: DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	J. P. msh	4/24/21	741	201222B	1/22	1000	1000	☒ F	☒ F
ICV	L	4/24/21	742	20122224	1/22	100	101.4	☒ F	☒ F
CCV	J. P. msh	4/24/21	1356	200902C	9/21	1413	1402	☒ F	☒ F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Temp °C	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	J. P. msh	4/24/21	743	2010627	10/22	7.	22.5	7.01	148.4	☒ F	☒ F
Calibr.	L		744	2012C31	9/22	4.	22.6	4.00	148.4	☒ F	☒ F
Calibr.	L		745	2012797	5/22	10.	22.0	10.04	142.0	☒ F	☒ F
ICV	L		746	2016C21	9/22	4.	22.5	3.91	152.7	☒ F	☒ F
CCV	J. P. msh	4/24/21	1359	2012797	5/22	10.	22.3	10.11	200	☒ F	☒ F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 $\pm$ 50;

mV pH 4 Range +180 $\pm$ 50;

mV pH 10 Range -180 $\pm$ 50;

If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Does meter have a depth sensor that will be used to measure total depth & sample depth? YES / NO / NA (not surf. water project)

If YES, complete daily Calibr. & ICV below and list date of last quarterly depth verification: _____

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value, meters	Pass / Fail	Lab / Field
Pressure mode in air	J. P. msh	4/24/21	750	0.00	0.00	☒ F	☒ F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria $\pm 5\%$ or ± 0.05 m, whichever is greater.

COMMENTS: