Login Checklist

RQ- 2021 - 10 - 11 - 60 Login Station ID: # 3

Shipping Method: FedEx | UPS | HD | Greyhound Date/Time of Receipt: 11/05/2021 / 09:30

*Cooler Temperature	Samples Frozen?	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Waybill Tracking #
					Present?		*Intact?		
	YES	HNO_3	Formalin		Yes	No	Yes	No	
2.3C				15		X			9293 8011 3653
2.1C				15		X			5225 5540 8971

COOLER CHECK

***All samples received on ice unless otherwise noted. HNO3 and Formalin preserved samples do NOT have a temperature requirement.**

- If the temperature of a cooler exceeds 6.0 oC (above 10.0 oC for W-1-4-DIOX and microbiology) or received without ice, identify affected samples in an NCR. **NCR#** _____
- DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C for W-1-4-DIOX) without login confirmation from customer for samples requiring ice preservation; identify affected samples in an NCR. **NCR#** _____
- If cooler or samples are received with a damaged Evidence Seal; identify the affected samples in an NCR. **NCR#** _____
- If coolers or samples are received late; identify the affected samples in an NCR. **NCR#** _____

Chain of Custody/ Field Sheet(s) Included? Yes X No_____

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes_____ No X

CONTAINER CHECK

Evidence Tape on Bottles? Yes ____ No ____ NA X Evidence Tape intact? Yes _____ No _____

If Criminal, photographs taken? Yes ____ No ____ Containers intact? Yes X No _____

Caps on tight? Yes X No ____

Sufficient Sample Volume: Yes X No ____

If NO is checked above, generate an NCR listing affected sample IDs in its appropriate category. NCR# _____

CHLORINE CHECK REQUIRED? *(Blue dot on container)* Yes_____ No X Init: ABS/

Chlorine detected? *(One container checked per Field ID)* Yes_____ No _____ Init: ABS/

If chlorine is detected, generate an NCR listing affected sample IDs . NCR# _____

PRESERVATION CHECK *(EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")*

**Acid Preserved Samples: pH< 2.0? Yes X No_____ NA _____ Init: ABS/

**W-1-4-DIOX *(Green dot on container)* preserved to pH<4.0? Yes_____ No_____ NA X Init: ABS

If samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

Coolers Unpacked/Checked by: ABS/ **Date:** 11/05/2021 **Event contains NCRs (Y/N)?** N

Event ID: WQAP - 2021 - 11 - 05 - 02

Login Checklist

Login Preservation Equipment	Lot # & Exp: Date
Infrared Thermometer ID:	IRTG # 3 EXP:10/19/2022
pH Test Strips 0 – 6	LOT # 223819AV EXP:08/30/2023
pH Paper 0 – 3	N/A
pH Paper 0 – 13	LOT 207621 EXP:03/15/2024
Chlorine Test Strips	0261 2023/05

Additional Comments:

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes_____ Init: ABS

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes_____ No_____

If no, were samples shipped on dry ice? Yes_____ No_____

If S-VOC-MS samples were not preserved correctly, generate an NCR listing affected sample IDs . NCR# _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes_____ No_____

Date and time samples preserved: _____

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: Stitch RQ- 2021-10-11-50 Project: Algae Response

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 8/16/21

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.	Brian Davis	11/4/21	828	22.0	763.8	8.8	/	100.5	/	1.03	P/F	L/F
ICV	↓	|	829	22.0	763.8	8.8	8.77	100.3	/	1.03	P/F	L/F
CCV	Kim Appleby	↓	1539	20.6	763.1	9.0	9.09	101.3	—	1.03	P/F	L/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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Brian Davis	11/4/21	742	21091718	9/2022	1000	1000	P/F	L/F
ICV	↓	|	746	210426A	5/2022	100	103.9	P/F	L/F
CCV	Kim Appleby	↓	1542	21091718	4/2022	1000	1003	P/F	L/F
CCV								P/F	L/F

Conductivity Acceptance criteria ± 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.	Brian Davis	11/4/21	751	21075G6	7/2023	7.01	22.1	7.01	-30.5	P/F	L/F
Calibr.	↓	|	756	2107640	7/2023	4.00	22.1	4.00	147.3	P/F	L/F
Calibr.	↓	|	800	20125o8	6/2022	10.03	22.1	10.03	-202.0	P/F	L/F
ICV	↓	|	824	21075G6	7/2023	7.01	22.1	7.03	-30.4	P/F	L/F
CCV	Kim Appleby	↓	1543	20125o8	6/2022	10.03	22.4	10.09	-24.0	P/F	L/F
CCV						10.03				P/F	L/F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 171.5, slope from 4 to 7 177.8 (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: 8/18/21
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	Brian Davis	11/4/21	830	0.00	0.00	(P)/F	L F

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

COMMENTS:

Form effective August 1, 2018

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 10-11-60		Collected By:	Brian D., Katherine H.
Customer	NE-Dist	Field Report Prepared By:	Brian D.
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP
Field ID:			

WIN ID/Field ID: NEHAB0058

Doctor's Lake @ White Owl Rd

Comments:

Collection Equipment: Ortho #3

Coordinates: ~~30.1564, -81.7207~~ 30.1151, -81.7466

Matrix: Fresh ✓ Grab

Tide: ☑ Rising ☐ Falling ☐ Slack ☐ N/A

High Tide Time: 1230 Low Tide Time: 1921

Water Quality

Date	Time ☑ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTh)	Secchi Disk (m)	Total Depth (m)
11/4/21	1230	7.40	82.3	20.4	7.52	0.3	1067	0.53	0.8	1.6
	1235	7.13	79.2	20.3	7.50	1.1	1068	0.53		

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 SA1105060 Exp: 4/30/22		☐ <2		
Filtered Nutrients (P125mL)	☑ W-PO4-F ☑ Field Filtered 0.45um Filter	☑ Ice		1	D
Quantitative Algae	☐ DTY-QN-C / PKD-QN-C	☐ Ice ☐ Lugols			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
B. D.	11/4/21 1600	2	A.SHAIK	11/05/2021 / 09:30

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 10-11-60		Collected By:	Brian D., Katherine H
Customer	NE-Dist	Field Report Prepared By:	Brian D
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP
Field ID:			

WIN ID/Field ID: NEHAB0055

Pace Island Dock

Comments:

Collection Equipment: Outlo #3 30.1364, -81.7207

Matrix: ~~BG~~ Flesh (Grab) Coordinates: ~~30.1451, -81.7466~~

Tide: ☒ Rising ☒ Falling ☐ Slack ☐ N/A High Tide Time: 1230 Low Tide Time: 1921

Water Quality

Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTh)	Secchi Disk (m)	Total Depth (m)
11/4/21	1400	8.51	95.9	21.1	7.85	0.3	888	0.44	0.6	1.2

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 SA1105060	Exp: 4/20/22	☒ <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			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
B. D.	1600 11/4/21	2	A.SHAIK	11/05/2021 / 09:30

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 10-11-60		Collected By:	Brian D, Katherine H.
Customer	NE-Dist	Field Report Prepared By:	Brian D
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP
Field ID:		Comments:	

WIN ID/Field ID: NEHAB0057

Doctor's Lake @ Mill Cove

Collection Equipment: Oyster #3

Matrix: Fresh ☑ (Grab)

Coordinates: 30.1230, -81.7216

Tide: ☐ Rising ☑ Falling ☐ Slack ☐ N/A

High Tide Time: 1230 Low Tide Time: 1921

Water Quality

Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTh)	Secchi Disk (m)	Total Depth (m)
11/4/21	1300	8.41	94.2	20.8	7.81	2.08	9.88	0.49	0.6	1.1

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	Exp:	☐ <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		

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
B-D-	1600 11/4/21	2	A.SHAIK	11/05/2021 09:30

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021- 10-11-60		Collected By:	Brian D, Katherine H.
Customer	NE-Dist	Field Report Prepared By:	Brian Davis
Project ID:	BLOOM_RESP	Sampling Agency:	FDEP

WIN ID/Field ID: NEHAB0060

LSJR @ Riverside Way

Comments:

Collection Equipment: 29.6033, -81.5989

Matrix: Fresh (Grab)

Coordinates: Outfall #3

Tide: ☐ Rising ☑ Falling ☐ Slack ☐ N/A

High Tide Time: 1555 Low Tide Time: 1048

Water Quality

Date	Time ☐ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTh)	Secchi Disk (m)	Total Depth (m)
11/4/21	1020	6.53	74.9	22.0	7.43	3.0 0.3	914	0.45	0.7	3.0
	1025	6.50	74.6	22.0	7.43	2.5	914	0.45		

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 SA 110 5060 Exp: 4/30/22		☐ <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			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
B. D.	1600 11/4/21	2	A.SHAIK	11/05/2021 / 09:30

RQ-2021-10-11-60

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 Desi RQ: 2021-10-25-41 2021-11-01-33 → SAMPLES RELSD PBL: Algae blooms

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 8/16/21

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.	Kim Appleby	11/4/21	847	21.6	763.0	8.9	N/A	100.4	—	1.046	P / F	L / F
ICV	↓	↓	849	21.7	763.0	8.8	8.84	100.5	—	1.066	P / F	L / F
CCV	Jerry Cain	11/4/21	1425	21.6	763	8.8	8.83	100.0	—	—	P / F	L / 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 µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Kim Appleby	11/4/21	852	210973	9/2022	1000	1000	P / F	L / F
ICV			854	210426B	5/2022	100	102.7	P / F	L / F
CCV	JRamsh	11/4/21	1428	210426.P	5/22	20000	19893	P / F	L / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 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.	Kim Appleby	11/4/21	858	2107F56	7/2023	7.01	22.2	7.01	-27.7	P / F	L / F
Calibr.	↓	↓	900	2107640	7/2023	4.00	22.2	4.00	154.7	P / F	L / F
Calibr.			902	2012E0P	6/2022	10.03	22.1	10.03	-192.8	P / F	L / F
ICV			905	2107F5L	7/2023	7.01	22.2	7.07	-24.9	P / F	L / F
CCV	JRam	11/4/21	1427	2012E08	6/2022	10.02	22.5	10.01	-194.7	P / F	L / F
CCV										P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 165.1, slope from 4 to 7 162.4 (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: 8/18/21
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	Kim Appleby	11/4/21	910	0.00	0.00	P / F	L / F

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

COMMENTS:

Form effective August 1, 2018

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021-10-11-60

RQ-2021- 10-25-41 BD

Collected By: Kim Appleby + Jeremy Parrish

Customer: ZIPLA

Field Report Prepared By: Kim Appleby

Project ID: BLOOM_RESP

Sampling Agency: FDEP

WIN ID/Field ID: NEHAB0032

Comments: High water level. No algae seen.

Pottsburg Creek @ River Hills Cr E

Collection Equipment: ortho Kit #44

Matrix: Marine (Grab)

Coordinates: 30.314680, -81.594360

Tide: ☒ Rising ☐ Falling ☐ Slack ☐ N/A

High Tide Time: 1015 Low Tide Time: 1650

Water Quality

Date	Time ☒ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTh)	Secchi Disk (m)	Total Depth (m)
11/4/21 tot rd	1025	6.86	82.2	21.6	7.68	0.3	15557	9.10	0.9	1.256

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		B
	Lot: SA11050G0	Exp: 4/30/22	☐ <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			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Kim Appleby	11/4/21	1	A.SHAIK	11/05/2021 / 09:30

Cyanobacteria Bloom Response Field Data Sheet

RQ-2021-10-11-60

~~RQ-2021-10-25-41~~ BD		**Collected By:**	Kim Appleby & Jeremy Parrish
Customer	ZIFLA	**Field Report Prepared By:**	Kim Appleby
Project ID:	BLOOM_RESP	**Sampling Agency:**	FDEP

Field ID:

WIN ID/Field ID: NEHAB0031

LSJR @ Arlington Boat Ramp

Comments: No algae seen. Windy. High water level at boat ramp

Collection Equipment: ortho kit #44

Matrix: Marine (Grab)

Coordinates: 30.333700, -81.612460

Tide: ☒ Rising ☐ Falling ☐ Slack ☐ N/A

High Tide Time: 1010 **Low Tide Time:** 1645

Water Quality

Date	Time ☒ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp °C	pH (SU)	Sample Depth (m)	Cond. (umho/cm)	Salinity (PPTh)	Secchi Disk (m)	Total Depth (m)
11/4/21	955	6.77	83.1	21.8	7.72	0.3	21071	12.66	0.4	1.75
	957	6.64	82.4	22.0	7.74	1.25	22933	13.86		

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: SA11050G0	Exp: 4/30/22	☐ <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			

Relinquished By:	Date/Time	Number of Coolers Shipped	Received By:	Date/Time
Kim Appleby	11/4/21	1	A.SHAIK	11/05/2021 09:30

RQ-2021-10-11-60

Date of Request: 28-SEP-2021
Created By: PARRISH_J On: 28-SEP-2021
Modified By: JASROTIA_P On: 28-SEP-2021
Customer: WQAP
Project: BLOOM-RESP
Division: Division of Environmental Assessment and Restoration
District:
Event Description: Algal Bloom Response- NEROC

Send Coolers To:

Phone: 904-256-1700
8800 Baymeadows Way West

Jacksonville, FL 32256
Attn: Jeremy Parrish
Cooler Ship EMail: Jeremy.M.Parrish@dep.state.fl.us

Priority: 1
Event Status: R
Criminal Investigation: NO
Chemistry Request Reviewed By: WATTS_J On: 28-SEP-2021
Biology Request Reviewed By: JASROTIA_P On: 28-SEP-2021
Sampling Kit Required: YES Ship on: 01-OCT-2021
Sampling Kit Shipped: YES On: 01-OCT-2021
Sampling Kit Packed By: SHAIK_A
Preservatives Needed: NO
Date to Receive Samples: 11-OCT-2021
Logged In By: SHAIK_A On: 05-NOV-2021

Send Final Report To:

8800 Baymeadows Way West

Jacksonville, FL 32256
Attn: Jeremy Parrish
Report Notification EMail:
Jeremy.M.Parrish@dep.state.fl.us;Brian.g.Davis@floridadep.gov;
Amelia.Rankin@dep.state.fl.us

Comments: Unless peak algal bloom season, may analyze toxin after consultation with Biology's Taxonomy Manager.

Bottle Group A - Priority 1
For algal dominant taxon.

Bottle Group B - Priority 1
For toxin testing, nutrients, and chlorophyll

There are multiple bottles per Group in case multiple sample targets or sample locations are needed. Samplers use best professional judgement to decide which samples are appropriate to collect for a particular response. All sets of bottles do not have to be filled at one time.

Please print two copies of algal job labels at login.

Bottle Group A (Biological) With 8 Samples:

Bottle Type: PT-50ML Number of Bottles: 8 Preserved With: ICE
BLOOM-ID Template: DEFAULT (SOP-AB05) Assessment of dominant algal taxa in bloom or mat sample

Bottle Group B (Water) With 8 Samples:

Bottle Type: BP-1L Number of Bottles: 8 Preserved With: ICE
CHLSUITE-W Template: DEFAULT (SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: BG-250ML-WDMTH Number of Bottles: 8 Preserved With: ICE
W-MCYST-AA Template: (EPA 8321B) Microcystins in water matrices by HPLC/MS/MS
Bottle Type: P-500ML Number of Bottles: 8 Preserved With: ICE And H2SO4
W-NH3 Template: DEFAULT (EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3 Template: DEFAULT (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP Template: DEFAULT (EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN Template: DEFAULT (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
Bottle Type: P-125ML Number of Bottles: 8 Preserved With: FILTER-ICE
W-PO4-F Template: DEFAULT (EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.