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: Bruce RQ-2024-08-05-HT 56 KH 08/13/24 Project: Alone Resample Ors Lake

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 07/02/24

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.	K. Halbert	8/13/24	803	21.3	761.0	8.9	8.89	100.1	—	1.04	(P) / F	(L) / F
ICV	K. Halbert	8/13/24	818	21.2	761.0	8.9	8.90	100.2	—	1.04	(P) / F	(L) / F
CCV	K. Halbert	8/13/24	1006	23.4	759.5	8.5	8.59	100.9	—	1.04	(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.	K. Halbert	8/13/24	820	240618A	06/2025	1000	1000	(P) / F	(L) / F
ICV	K. Halbert	8/13/24	822	230612A	01/2025	100	101.4	(P) / F	(L) / F
CCV	K. Halbert	8/13/24	1610	231110	11/2024	1500	1512.6	(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.	K. Halbert	8/13/24	827	4311 0047	11/3/25	7.01	22.5	7.01	-40.4	(P) / F	(L) / F
Calibr.	K. Halbert	8/13/24	831	4404 0445	4/8/26	4.00	22.5	4.00	133.9	(P) / F	(L) / F
Calibr.	K. Halbert	8/13/24	834	4402 0286	2/27/26	10.03	22.0	10.03	-205.9	(P) / F	(L) / F
ICV	K. Halbert	8/13/24	837	4404 0445	4/8/26	4.00	22.4	3.93	136.9	(P) / F	(L) / F
CCV	K. Halbert	8/13/24	1611	4402 0286	2/27/26	10.03	22.3	10.04	-208.3	(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 10 165.5, slope from 4 to 7 174.3 (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: 07/02/24
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	K. Halbert	8/13/24	841	0.000	0.000	(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:

Cyanobacteria Bloom Response Field Data Sheet (2024-07-22 v1)

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

Meter Passed End of Day CCV
Yes / No

RQ - 2024-08-05-56		**Collected By:**	Katherine Halbert, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	Katherine Halbert
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - Camp Echockotee		**Comments:**	
Field ID / WIN ID: NEHAB0085		**Coordinates:**	30.15015, -81.72430
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	05:49 **Low Tide Time:** 11:55
Matrix: Marine	Grab	**Tide:**	☐ Rising ■ Falling ☐ Slack ☐ N/A

Water Quality **Meter ID:** Bruce **Secchi ID:**

Date	Time ■ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPTh)
08/13/2024	11:30	6.76	91.4	30.5	8.07	0.3	1.6	0.9	5679	3
	11:32	5.99	81.7	30.6	8.14	1.1			6803	3.69

Bloom Observations

Algal Bloom Observed? ■ Yes ☐ No

Water Clarity	☐ Clear	■ Slightly Turbid	☐ Turbid	☐ Opaque
Bloom Color	■ Green	☐ Red	☐ Brown	☐ Other:
Algae Type	■ Planktonic	☐ Filamentous	☐ Other:	
Algae Accumulation	☐ Mat	■ Specks	☐ Scum	☐ Glob
Algae Distribution	☐ Surface-Entire	☐ Surf-Localized	☐ Surf-Windblown	■ Suspended ☐ Benthic ☐ Epiphytic

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Algae (PT-50mL)	☐ ALGAL-ID ■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Physical/Aggregate	■ W-COLOR	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	■ Ice ■ H2SO4	■ <2	1	B
	Acid Lot: 1553024 Exp:	01/05/2025			
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Lot # 0000222915 Syringe Lot #	■ 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
Katherine Halbert	08/13/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-56	Date	08/13/2024
Field ID	NEHAB0085	Time	11:30
Location	Doctors Lake - Camp Echockotee		

SECTION FOR FDEP USE

LIMS EVENT ID:_____ **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT:_____ **QC Station ID, Field Parameters In LIMS DMT:** _____
(Initials/Date) (Initials/Date)

Scan/Save Field Sheets KV 8/13/24 **Migrate Data to WIN:**_____ **Verify Data In WIN:** _____
(Initials/Date) (Initials/Date) (Initials/Date)

Effective Date: 07/25/2024
Revision Date: 07/22/2024
Revision Author: T Balkcom

AB-FIELD-2.5

Cyanobacteria Bloom Response Field Data Sheet (2024-07-22 v1)

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

Meter Passed End of Day CCV
Yes / No

RQ - 2024-08-05-56		**Collected By:**	Katherine Halbert, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	Katherine Halbert
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - Wyndegate Dr		**Comments:**	
Field ID / WIN ID: NEHAB0117		**Coordinates:**	30.15427, -81.71604
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	05:49 **Low Tide Time:** 11:55
Matrix: Fresh	Grab	**Tide:**	☐ Rising ■ Falling ☐ Slack ☐ N/A

Water Quality **Meter ID:** Bruce **Secchi ID:**

Date	Time ■ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPTh)
08/13/2024	11:10	7.29	96.5	30.6	7.67	0.3	1.6	0.7	2608	1.33
	11:13	6.75	90.1	30	7.75	1.1			4020	2.11

Bloom Observations

Algal Bloom Observed? ■ Yes ☐ No

Water Clarity	☐ Clear	■ Slightly Turbid	☐ Turbid	☐ Opaque
Bloom Color	■ Green	☐ Red	☐ Brown	☐ Other:
Algae Type	■ Planktonic	☐ Filamentous	☐ Other:	
Algae Accumulation	☐ Mat	■ Specks	☐ Scum	☐ Glob
Algae Distribution	☐ Surface-Entire	☐ Surf-Localized	☐ Surf-Windblown	■ Suspended ☐ Benthic ☐ Epiphytic

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Algae (PT-50mL)	☐ ALGAL-ID ■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Physical/Aggregate	■ W-COLOR	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	■ Ice ■ H2SO4	■ <2	1	B
	Acid Lot: 153024 Exp:	01/05/2025			
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Lot # 0000222915 Syringe Lot #	■ 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
Katherine Halbert	08/13/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-56	Date	08/13/2024
Field ID	NEHAB0117	Time	11:10
Location	Doctors Lake - Wyndegate Dr		

SECTION FOR FDEP USE

LIMS EVENT ID:_____ **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT:_____ **QC Station ID, Field Parameters In LIMS DMT:** _____
(Initials/Date) (Initials/Date)

Scan/Save Field Sheets KV 8/13/2024 **Migrate Data to WIN:**_____ **Verify Data In WIN:** _____
(Initials/Date) (Initials/Date) (Initials/Date)

Effective Date: 07/25/2024
Revision Date: 07/22/2024
Revision Author: T Balkcom

AB-FIELD-2.5

Cyanobacteria Bloom Response Field Data Sheet (2024-07-22 v1)

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Meter Passed End of Day CCV
Yes / No

RQ - 2024-08-05-56		**Collected By:**	Katherine Halbert, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	Katherine Halbert
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - Center		**Comments:**	
Field ID / WIN ID: NEHAB0120		**Coordinates:**	30.13814, -81.72682
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	05:49 **Low Tide Time:** 11:55
Matrix: Marine	Grab	**Tide:**	☐ Rising ■ Falling ☐ Slack ☐ N/A

Water Quality **Meter ID:** Bruce **Secchi ID:**

Date	Time ■ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPTh)
08/13/2024	10:50	9.45	129	30.7	8.62	0.3	2.43	0.6	6143	3.31
	10:53	7.36	100.6	30.3	8.42	1.93			7915	4.35

Bloom Observations

Algal Bloom Observed? ■ Yes ☐ No

Water Clarity	☐ Clear	■ Slightly Turbid	☐ Turbid	☐ Opaque	
Bloom Color	■ Green	☐ Red	☐ Brown	☐ Other:	
Algae Type	■ Planktonic	☐ Filamentous	☐ Other:		
Algae Accumulation	☐ Mat	■ Specks	☐ Scum	☐ Glob	
Algae Distribution	☐ Surface-Entire	☐ Surf-Localized	☐ Surf-Windblown	■ Suspended	☐ Benthic ☐ Epiphytic

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Algae (PT-50mL)	☐ ALGAL-ID ■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Physical/Aggregate	■ W-COLOR	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	■ Ice ■ H2SO4	☐ <2	1	B
	Acid Lot: 153024 Exp:	01/05/2025			
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Lot # 0000222195 Syringe Lot #	■ 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
Katherine Halbert	08/13/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-56	Date	08/13/2024
Field ID	NEHAB0120	Time	10:50
Location	Doctors Lake - Center		

SECTION FOR FDEP USE

LIMS EVENT ID:_____ **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT:_____ **QC Station ID, Field Parameters In LIMS DMT:** _____
(Initials/Date) (Initials/Date)

Scan/Save Field Sheets_KV 8/13/2024_____ **Migrate Data to WIN:**_____ **Verify Data In WIN:** _____
(Initials/Date) (Initials/Date) (Initials/Date)

Effective Date: 07/25/2024
Revision Date: 07/22/2024
Revision Author: T Balkcom

AB-FIELD-2.5

Cyanobacteria Bloom Response Field Data Sheet (2024-07-22 v1)

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Meter Passed End of Day CCV
Yes / No

RQ - 2024-08-05-56		**Collected By:**	Katherine Halbert, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	Katherine Halbert
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - Pace Island Back Park Dock		**Comments:**	
Field ID / WIN ID: NEHAB0055		**Coordinates:**	30.13646, -81.72060
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	05:49 **Low Tide Time:** 11:55
Matrix: Marine	Grab	**Tide:**	☐ Rising ■ Falling ☐ Slack ☐ N/A
Water Quality	**Meter ID:** Bruce	**Secchi ID:**	

Date	Time ■ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPTh)
08/13/2024	10:30	7.59	102.6	30.5	8.32	0.3	0.7	0.6	5742	3.08

Bloom Observations

Algal Bloom Observed? ■ Yes ☐ No

Water Clarity	☐ Clear	■ Slightly Turbid	☐ Turbid	☐ Opaque
Bloom Color	■ Green	☐ Red	☐ Brown	☐ Other:
Algae Type	■ Planktonic	☐ Filamentous	☐ Other:	
Algae Accumulation	☐ Mat	■ Specks	☐ Scum	☐ Glob
Algae Distribution	☐ Surface-Entire	☐ Surf-Localized	☐ Surf-Windblown	■ Suspended ☐ Benthic ☐ Epiphytic

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Algae (PT-50mL)	☐ ALGAL-ID ■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Physical/Aggregate	■ W-COLOR	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	■ Ice ■ H2SO4	■ <2	1	B
	Acid Lot: 153024 Exp:	01/05/2025			
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Lot # 0000222915 Syringe Lot #	■ 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
Katherine Halbert	08/13/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-56	Date	08/13/2024
Field ID	NEHAB0055	Time	10:30
Location	Doctors Lake - Pace Island Back Park Dock		

SECTION FOR FDEP USE

LIMS EVENT ID:_____ **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT:_____ **QC Station ID, Field Parameters In LIMS DMT:** _____
(Initials/Date) (Initials/Date)

Scan/Save Field Sheets KV 8/13/2024 **Migrate Data to WIN:**_____ **Verify Data In WIN:** _____
(Initials/Date) (Initials/Date) (Initials/Date)

Cyanobacteria Bloom Response Field Data Sheet (2024-07-22 v1)

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Meter Passed End of Day CCV
Yes / No

RQ - 2024-08-05-56		**Collected By:**	Katherine Halbert, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	Katherine Halbert
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - Mill Cove		**Comments:**	
Field ID / WIN ID: NEHAB0057		**Coordinates:**	30.12329, -81.72751
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	05:49 **Low Tide Time:** 11:55
Matrix: Marine	Grab	**Tide:**	☐ Rising ■ Falling ☐ Slack ☐ N/A

Water Quality **Meter ID:** Bruce **Secchi ID:**

Date	Time ■ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPTh)
08/13/2024	10:00	7.49	102.8	30.9	8.28	0.3	0.8	0.4	7900	4.33

Bloom Observations

Algal Bloom Observed? ■ Yes ☐ No

Water Clarity	☐ Clear	■ Slightly Turbid	☐ Turbid	☐ Opaque
Bloom Color	■ Green	☐ Red	☐ Brown	☐ Other:
Algae Type	■ Planktonic	☐ Filamentous	☐ Other:	
Algae Accumulation	☐ Mat	■ Specks	☐ Scum	☐ Glob
Algae Distribution	☐ Surface-Entire	☐ Surf-Localized	☐ Surf-Windblown	■ Suspended ☐ Benthic ☐ Epiphytic

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Algae (PT-50mL)	☐ ALGAL-ID ■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Physical/Aggregate	■ W-COLOR	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	■ Ice ■ H2SO4	■ <2	1	B
	Acid Lot: SA3340020 Exp:	12/11/2024			
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Lot # 0000222915 Syringe Lot #	■ 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
Katherine Halbert	08/13/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-56	Date	08/13/2024
Field ID	NEHAB0057	Time	10:00
Location	Doctors Lake - Mill Cove		

SECTION FOR FDEP USE

LIMS EVENT ID:_____ **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT:_____ **QC Station ID, Field Parameters In LIMS DMT:** _____
(Initials/Date) (Initials/Date)

Scan/Save Field Sheets 8/13/2024 KV **Migrate Data to WIN:**_____ **Verify Data In WIN:** _____
(Initials/Date) (Initials/Date) (Initials/Date)

Effective Date: 07/25/2024
Revision Date: 07/22/2024
Revision Author: T Balkcom

AB-FIELD-2.5

Cyanobacteria Bloom Response Field Data Sheet (2024-07-22 v1)

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

Meter Passed End of Day CCV
Yes / No

RQ - 2024-08-05-56		**Collected By:**	Katherine Halbert, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	Katherine Halbert
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Swimming Pen Creek - Whiteys Fish Camp		**Comments:**	
Field ID / WIN ID: NEHAB0074		**Coordinates:**	30.10103, -81.74672
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: River/Stream		**High Tide Time:**	05:49 **Low Tide Time:** 23:55
Matrix: Marine	Grab	**Tide:**	■ Rising ☐ Falling ☐ Slack ☐ N/A

Water Quality **Meter ID:** Bruce **Secchi ID:**

Date	Time ■ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPTh)
08/13/2024	12:40	10.05	138.7	31	8.45	0.3	1.4	0.5	7620	4.17

Bloom Observations

Algal Bloom Observed? ■ Yes ☐ No

Water Clarity	☐ Clear	■ Slightly Turbid	☐ Turbid	☐ Opaque
Bloom Color	■ Green	☐ Red	☐ Brown	☐ Other:
Algae Type	■ Planktonic	☐ Filamentous	☐ Other:	
Algae Accumulation	☐ Mat	■ Specks	☐ Scum	☐ Glob
Algae Distribution	☐ Surface-Entire	☐ Surf-Localized	☐ Surf-Windblown	■ Suspended ☐ Benthic ☐ Epiphytic

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Algae (PT-50mL)	☐ ALGAL-ID ■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Physical/Aggregate	■ W-COLOR	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	■ Ice ■ H2SO4	■ <2	1	B
	Acid Lot: 153024 Exp:	01/05/2025			
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Lot # 0000222915 Syringe Lot #	■ 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
Katherine Halbert	08/13/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-56	Date	08/13/2024
Field ID	NEHAB0074	Time	12:40
Location	Swimming Pen Creek - Whiteys Fish Camp		

SECTION FOR FDEP USE

LIMS EVENT ID:_____ **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT:_____ (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** _____ (Initials/Date)

Scan/Save Field Sheets KV 8/13/2024 (Initials/Date) **Migrate Data to WIN:**_____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

Effective Date: 07/25/2024
Revision Date: 07/22/2024
Revision Author: T Balkcom

AB-FIELD-2.5

Cyanobacteria Bloom Response Field Data Sheet (2024-07-22 v1)

Email scanned submittal forms to lab.receiving@FloridaDEP.gov

Meter Passed End of Day CCV
Yes / No

RQ - 2024-08-05-56		**Collected By:**	Katherine Halbert, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	Katherine Halbert
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - Magnolia Rd		**Comments:**	
Field ID / WIN ID: NEHAB0119		**Coordinates:**	30.11756, -81.76308
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	05:49 **Low Tide Time:** 11:55
Matrix: Marine	Grab	**Tide:**	☐ Rising ■ Falling ☐ Slack ☐ N/A

Water Quality **Meter ID:** Bruce **Secchi ID:**

Date	Time ■ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPTh)
08/13/2024	12:20	9.69	132.8	30.6	8.65	0.3	1.5	0.5	8186	4.5
	12:21	8.13	109.5	29.6	8.45	1			8167	4.5

Bloom Observations

Algal Bloom Observed? ■ Yes ☐ No

Water Clarity	☐ Clear	■ Slightly Turbid	☐ Turbid	☐ Opaque	
Bloom Color	■ Green	☐ Red	☐ Brown	☐ Other:	
Algae Type	■ Planktonic	☐ Filamentous	☐ Other:		
Algae Accumulation	☐ Mat	■ Specks	☐ Scum	☐ Glob	
Algae Distribution	☐ Surface-Entire	☐ Surf-Localized	☐ Surf-Windblown	■ Suspended	☐ Benthic ☐ Epiphytic

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Algae (PT-50mL)	☐ ALGAL-ID ■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Physical/Aggregate	■ W-COLOR	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	■ Ice ■ H2SO4	■ <2	1	B
	Acid Lot: 153024 Exp:	01/05/2025			
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Lot # 0000222915 Syringe Lot #	■ 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
Katherine Halbert	08/13/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-56	Date	08/13/2024
Field ID	NEHAB0119	Time	12:20
Location	Doctors Lake - Magnolia Rd		

SECTION FOR FDEP USE

LIMS EVENT ID:_____ **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT:_____ (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** _____ (Initials/Date)

Scan/Save Field Sheets KV 8/13/2024 (Initials/Date) **Migrate Data to WIN:**_____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

Cyanobacteria Bloom Response Field Data Sheet (2024-07-22 v1)

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Meter Passed End of Day CCV
Yes / No

RQ - 2024-08-05-56		**Collected By:**	Katherine Halbert, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	Katherine Halbert
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - End of Lawrence Rd		**Comments:**	
Field ID / WIN ID: NEHAB0073		**Coordinates:**	30.12963, -81.75169
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	05:49 **Low Tide Time:** 11:55
Matrix: Marine	Grab	**Tide:**	☐ Rising ■ Falling ☐ Slack ☐ N/A

Water Quality **Meter ID:** Bruce **Secchi ID:**

Date	Time ■ EST ☐ CEN	D.O. (mg/L)	D.O. (%)	Temp (°C)	pH (SU)	Sample Depth (m)	Total Depth (m)	Secchi Disk (m)	Sp. Cond. (µmho/cm)	Salinity (PPTh)
08/13/2024	12:00	8.81	121.2	30.9	8.51	0.3	0.62	0.4	7939	4.36

Bloom Observations

Algal Bloom Observed? ■ Yes ☐ No

Water Clarity	☐ Clear	■ Slightly Turbid	☐ Turbid	☐ Opaque
Bloom Color	■ Green	☐ Red	☐ Brown	☐ Other:
Algae Type	■ Planktonic	☐ Filamentous	☐ Other:	
Algae Accumulation	☐ Mat	■ Specks	☐ Scum	☐ Glob
Algae Distribution	☐ Surface-Entire	☐ Surf-Localized	☐ Surf-Windblown	■ Suspended ☐ Benthic ☐ Epiphytic

Parameter Suite	Parameter Methods	Preservation	pH Check	#Bottles Sent to Lab	Bottle Group
Algae (PT-50mL)	☐ ALGAL-ID ■ BLOOM-ID	■ Ice		1	A
Chlorophyll (BP-1L)	■ CHLSUITE-W	■ Ice		1	B
Toxins (P-125/BG-250)	■ W-MCYST-AA ■ W-SAXTN-MS ☐ OV-TOXN	■ Ice		1	B
Physical/Aggregate	■ W-COLOR	■ Ice		1	B
Preserved Nutrients (500mL HDPE)	■ W-NH3 / W-NO2NO3 / W-TKN / W-S-A-TP	■ Ice ■ H2SO4	■ <2	1	B
	Acid Lot: 153024 Exp:	01/05/2024			
Filtered Nutrients (P125mL)	■ W-PO4-F ■ Field Filtered 0.45um Filter Lot # 0000222915 Syringe Lot #	■ 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
Katherine Halbert	08/13/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-05-56	Date	08/13/2024
Field ID	NEHAB0073	Time	12:00
Location	Doctors Lake - End of Lawrence Rd		

SECTION FOR FDEP USE

LIMS EVENT ID:_____ **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT:_____ **QC Station ID, Field Parameters In LIMS DMT:** _____
(Initials/Date) (Initials/Date)

Scan/Save Field Sheets KV 8/13/2024 **Migrate Data to WIN:**_____ **Verify Data In WIN:** _____
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