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 Bruce RQ- 2024-08-05-41 Project: Algae Respon

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 7/2/2024

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.	JPamsh	7/30/24	800	21.2	762.5	8.9	8.9	100.3	—	1.02	(P) F	(L) F
ICV	J	7/30/24	802	21.2	762.5	8.8	8.93	100.3	—	1.02	(P) F	(L) F
CCV	JPamsh	7/30/24	1438	23.5	761	8.50	8.50	100.2	—	—	(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.	JPamsh	7/30/24	803	24061184	8/25	1000	1000	(P) F	(L) F
ICV	J	7/30/24	804	2306124	6/24	100	98.6	(P) F	(L) F
CCV	JPamsh	7/30/24	1448	2311032	11/24	50,000	49693	(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.	JPamsh	7/30/24	808	4311 0047	11/3/25	7.	21.8	7.00	-32.0	(P) F	(L) F
Calibr.	J	J	810	44040045	4/8/26	4.	21.5	4.00	1595 -456	(P) F	(L) F
Calibr.	J	J	812	44020286	2/27/26	10.	21.5	10.00	205.5	(P) F	(L) F
ICV	J	J	820	44040045	4/8/26	4.	21.7	4.00	170	(P) F	(L) F
CCV	JPamsh	7/30/24	1441	44020286	2/27/26	10	22.3	9.99	-205.3	(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 10 173.5, slope from 4 to 7 170 (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	JPamsh	7/30/24	822	0.00	0.02	(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:

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 - 2024-08-05-41		**Collected By:**	Jeremy Parrish, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	K VILLINGER
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors lake - Mill Cove		**Comments:**	
Field ID / WIN ID: NEHAB0057		**Coordinates:**	30.12371, -81.72757
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	08:28 **Low Tide Time:** 15:18
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)
07/30/2024	09:30	8.02	109.1	30	8.51	0.3	1.39	0.75	9455	5.26
	09:33	7.84	106.6	29.9	8.5	0.9			9511	5.3

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
K VILLINGER	07/30/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-41	Date	07/30/2024
Field ID	001984	Time	09:30
Location	Doctors lake - Mill Cove		

SECTION FOR FDEP USE

LIMS EVENT ID: NE-DIST-2024-07-31-01 **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT: DB 08/13/2024 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** _____ (Initials/Date)

Scan/Save Field Sheets KV 7/30/24 (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

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 - 2024-08-05-41		**Collected By:**	Jeremy Parrish, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	K VILLINGER
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - Pace Island		**Comments:**	
Field ID / WIN ID: NEHAB0055		**Coordinates:**	30.13643, -81.72064
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	08:28 **Low Tide Time:** 03:18
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)
07/30/2024	09:50	5.09	69	29.7	7.99	0.3	1.01	0.75	9211	5.12

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
K VILLINGER	07/30/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-41	Date	07/30/2024
Field ID	NEHAB0055	Time	09:50
Location	Doctors Lake - Pace Island Back Park Dock		

SECTION FOR FDEP USE

LIMS EVENT ID: NE-DIST-2024-07-31-01 **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT: DB 08/13/2024 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** _____ (Initials/Date)

Scan/Save Field Sheets KV 7/30/24 (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

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 - 2024-08-05-41		**Collected By:**	Jeremy Parrish, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	K VILLINGER
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - Wyndegate Dr		**Comments:**	
Field ID / WIN ID: NEHAB0117		**Coordinates:**	30.15486, -81.71605
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	08:28 **Low Tide Time:** 15:18
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)
07/30/2024	10:25	8.0	110	30	7.9	0.3	1.83	0.8	7000	3.8
	10:29	5.75	77.5	29.9	7.59	1.3			7287	3.98

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
K VILLINGER	07/30/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-05-41	Date	07/30/2024
Field ID	NEHAB0117	Time	10:25
Location	Doctors Lake - Wyndegate Dr		

SECTION FOR FDEP USE

LIMS EVENT ID: NE-DIST-2024-07-31-01 **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT: DB 08/13/2024 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** _____ (Initials/Date)

Scan/Save Field Sheets KV 7/30/24 (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 - 2024-08-05-41		**Collected By:**	Jeremy Parrish, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	K VILLINGER
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - Magnolia Rd		**Comments:**	
Field ID / WIN ID: NEHAB0119		**Coordinates:**	30.11747, -81.76214
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	08:28 **Low Tide Time:** 15:18
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)
07/30/2024	11:20	9.98	139.2	31.6	8.78	0.3	1.8	0.8	9422	5.23
	11:25	6.87	96.2	31	8.47	1.3			9478	5.27

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
K VILLINGER	07/30/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-41	Date	07/30/2024
Field ID	NEHAB0119	Time	11:20
Location	Doctors Lake - Magnolia Rd		

SECTION FOR FDEP USE

LIMS EVENT ID: NE-DIST-2024-07-31-01 **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT: DB 08/13/2024 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** _____ (Initials/Date)

Scan/Save Field Sheets KV 7/30/24 (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 - 2024-08-05-41		**Collected By:**	Jeremy Parrish
Customer:	NE-DIST	**Field Report Prepared By:**	K VILLINGER
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - at Camp Echockotee		**Comments:**	
Field ID / WIN ID: NEHAB0085		**Coordinates:**	30.15008, -81.72418
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	08:28 **Low Tide Time:** 15:18
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)
07/30/2024	10:40	7.56	102.8	30	8.11	0.3	1.92	0.8	7441	4.07
	10:41	4.54	61.2	29.9	7.77	1.4			8413	4.64

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
K VILLINGER	07/30/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-4	Date	07/30/2024
Field ID	NEHAB0085	Time	10:40
Location	Doctors Lake - at Camp Echockotee		

SECTION FOR FDEP USE

LIMS EVENT ID: NE-DIST-2024-07-31-01 **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT: DB 08/13/2024 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** _____ (Initials/Date)

Scan/Save Field Sheets KV 7/30/24 (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 - 2024-08-05-41		**Collected By:**	Jeremy Parrish, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	K VILLINGER
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - end of Lawrence Rd		**Comments:**	
Field ID / WIN ID: NEHAB0073		**Coordinates:**	30.12954, -81.75168
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	08:28 **Low Tide Time:** 15:18
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)
07/30/2024	11:00	8.87	123	31.2	8.62	0.3	0.8	0.75	8905	4.9

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
K VILLINGER	07/30/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-41	Date	07/30/2024
Field ID	NEHAB0073	Time	11:00
Location	Doctors Lake - end of Lawrence Rd		

SECTION FOR FDEP USE

LIMS EVENT ID: NE-DIST-2024-07-31-01 **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT: DB 08/13/2024 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** _____ (Initials/Date)

Scan/Save Field Sheets KV 7/30/24 (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)

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 - 2024-08-05-41		**Collected By:**	Jeremy Parrish, Katrin Villinger
Customer:	NE-DIST	**Field Report Prepared By:**	K VILLINGER
Project ID:	BLOOM_RESP	**Sampling Agency:**	NEROC
Location: Doctors Lake - Center		**Comments:**	
Field ID / WIN ID: NEHAB0120		**Coordinates:**	30.13811, -81.72907
WBID:		**Collection Equip:**	WaterBottle
WIN Secondary Resource Type: Lake		**High Tide Time:**	08:28 **Low Tide Time:** 15:18
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)
07/30/2024	10:10	8.55	116.2	30.2	8.5	0.3	2.7	0.8	8515	4.7
	10:11	1.94	26.4	29.9	7.74	2.2			10522	5.91

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
K VILLINGER	07/30/2024 16:30	3		

Cyanobacteria Bloom Response
Data Handling Addendum

RQ-	2024-08-05-41	Date	07/30/2024
Field ID	NEHAB0120	Time	10:10
Location	Doctors Lake - Center		

SECTION FOR FDEP USE

LIMS EVENT ID: NE-DIST-2024-07-31-01 **WIN Import ID:** _____

Enter Field Parameters, Verify Station ID In LIMS DMT: DB 08/13/2024 (Initials/Date) **QC Station ID, Field Parameters In LIMS DMT:** _____ (Initials/Date)

Scan/Save Field Sheets KV 7/30/24 (Initials/Date) **Migrate Data to WIN:** _____ (Initials/Date) **Verify Data In WIN:** _____ (Initials/Date)