

RQ-2019-10-21-25

Field Personnel processing steps

☐ New Field IDs created (when using a new station) Date: _____ initials: _____ ☒ NA

☐ Create entry in SMPStationCreationFile if new station is used

\\fidep1\wqap\NW ROC\TMDL\WIN_Station Creation

☒ Date sampled Date: 10/22/19 initials: NM

☒ Update "SMP Tracker" Date: 10/22/19 initials: NM

☒ Photos put into archive Date: 10/23/19 initials: _____ ☐ NA

☒ Copy of Calibration Log for YSI used

☒ Field Sheets initialed/dated @ "Scan/Save Field Sheets" then scanned and saved into:

Scans_ToBeProcessed Date: 10/23/19 initials: NM

Scan order; Cover Sheet, Calibration Log, Field Sheets, Tallahassee Submittal Sheets, Overflow Lab COC

☒ Update "Data Tracker"

\\publicfiles\pubfds\DEAR\WQAPmonitoring\StrategicMonitoring\2019\21FLPNS

Ready for folder system (top)

LIMS processing (to be completed by LIMS data personnel) (MC)

☐ Field parameters entered into LIMS Date: _____ initials: _____

☐ Digital RQ packet put into

SMP 2019/Data/Scanned Field Sheets Date: _____ initials: _____

☐ Digital field Sheets put into archive Date: _____ initials: _____

☐ Date submitted for QA/QC Date: _____ initials: _____

☐ Update "Data Tracker"

Database processing (Cheryl)

☐ Field parameters QA/QC in LIMS Date: _____ initials: _____

☐ Lab results put into archive (CB) Date: _____ initials: _____

☐ Data migrated to WINS Date: _____ initials: _____

☐ Update "Data Tracker"

Notes:

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: 154179 RQ- 2019-10-21-25 Project: SMP

- 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 10/17/19

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.											P / F	L / F
ICV											P / F	L / F
CCV	NM	10/22/19	0700	23.9	765	85	8.51	100.3			(P) F	(L) F
CCV	MC	↓	14:05	22.4	765	8.8	8.81	100.8			(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.	NM	10/22/19	0704	190116A	1/20	1000	1006	P / F	(L) F
ICV	↓	↓	0708	190618A	6/20	100	103	(P) F	(L) F
CCV	MC	↓	14:08	190509B	5/20	50,000	50,774	(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.	NM	10/22/19	0710	190405E	10/20	7.	22.6			P / F	(L) F
Calibr.	↓	↓	0712	190405F	10/20	4.	22.6			P / F	(L) F
Calibr.	↓	↓	0714	190405G	9/20	10.	22.6			P / F	(L) F
ICV	↓	↓	0716	↓	↓	10.0	22.6	9.95	222.8	(P) F	(L) F
CCV	MC	↓	14:12	190405F	10/20	4.00	22.1	3.95	98.1	(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 _____, 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: 10/17/19

If NO, what will be used? (circle one) Secchi Disk Line / Sonar Unique ID: _____; Date of last verification: 10/17/19

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	NM	10/22/19	0726	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:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name:

Eastern Lake off of Center Avenue

Date:

10/22/19
(mm/dd/yyyy)

WIN/ Field ID:

G3NW0124

WBID:

1037

Latitude: 30.31099

County:

Walton

ORG ID:

21FLPNS

Longitude: -86.09347

(Decimal Degrees)

Receiving Body of Water:

Gulf of Mexico

RQ-2019-

10-21-25

(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
NM									
MC									

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with <u>ProDSS</u>		
Equipment ID		

Collection Method		
☒ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry/ Pooled/ Low / Normal High Flooded

Meter ID# 154179

Matrix: Fresh Marine DI

Photos: Yes No

Flow: No Flow / Intestinal / Flowing NA

Tide: Rising/ Falling/ Slack/ NA

Tide Times: High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPT)	Sp COND (umhos/cm)	Temp. (C°)
EST	9:40	0.9	0.3	0.9	6.59	88.1	7.49	20.74	33156	24.4
CEN				"5"	6.70	89.5				

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	9129100	5/9/20	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine)	☒ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☒ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☐ E Coli ☐ F Coli ☒ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-HF183 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes:

B

Field/WIN ID →



G3NW0124

Location ↓

Eastern Lake off of Center Avenue

Signature:

[Signature]

Date:

10/22/19

LIMS EVENT ID:

WIN Import ID:

Enter Field Parameters, Verify Station ID In LIMS DMT:

QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets

(Initials/Date)

Migrate Data to WIN:

(Initials/Date)

Verify Data In WIN:

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Irwin Creek

Date: 10/22/19
(mm/dd/yyyy)

WIN/ Field ID: G3NW0175

WBID: 959F

Latitude: 30.34755

County: Walton

ORG ID: 21FLPNS

Longitude: -86.227198

Receiving Body of Water: Gulf of Mexico

RQ-2019-081229 10-21-25

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment			
NM MC										☒ Sample Container	☐ Van Dorn	☐ Pole	
										☐ Carboy	☒ Syringe		
										☐ Dipper	☐ Other		
										Depth Measured with PropSS			
										Equipment ID			
										Collection Method			
										☒ Wading	☐ Canoe/Kayak		
										☐ From Shore	☐ Electric Motor		
										☐ Other	☐ Gasoline Motor		

Water Level: Dry/ Pooled/ Low / <u>Normal</u> / High / Flooded					Meter ID# 164179					Matrix: <u>Fresh</u> Marine / DI	
Photos: <u>Yes</u> / No		Flow: No Flow / Intestinal / <u>Flowing</u> / NA			Tide: Rising/ Falling/ Slack <u>NA</u>			Tide Times: High Low			
Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (µmhos/cm)	Temp. (C°)	
EST	10:25	0.3	0.15	0.3	1.74	19.8	4.79	0.05	114.1	22.1	
CEN				"5"							

Biological Samples Collected: <u>None</u> HA SCI RPS Algae ID LVS LVI Other:											
SBIO ID Numbers:		SBIO-ID:		HA-ID:		RPS-ID:		Macrophyte-ID:		LIMS#:	
Parameter Suite	Parameter Methods					Preservation	Lot#	Expiration	pH Check		
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP					☒ Ice ☒ H ₂ SO ₄	SA6344070	12/19	☒ <2		
Metals	☐ W-ICPMS ☐ W-ICP					☐ Ice ☐ HNO ₃			☐ <2		
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter					☒ Ice					
Chlorophyll	☒ CHLSUITE-W					☒ Ice					
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS					☒ Ice					
Physical/Aggregate (Marine)	☐ Alkalinity / W-SR-IC / W-F / W-TSS / TURBIDITY					☐ Ice					
Macroinvertebrates	☐ M-FW-QIDS					☐ Formalin					
Periphyton	☐ ALGAE-ID					☐ Ice					
Microbiology	☒ E Coli ☐ F Coli ☐ Enterococci					☒ Ice					
Molecular	☐ PCR-FILTER ☒ PCR-BaCR ☐ PCR-GULLZ					☒ Ice					
	☒ PCR-HFLB3 ☒ PCR-DG3 ☐ PCR-GFD										
Tracers	☒ W-E8321-DI ☒ W-E8321-MS					☒ Ice					
Pesticides	☐ W-PSNP-TC ☐ W-CT-CL-R ☐ W-E8321-DI					☐ Ice					
	☐ W-PCL-SO-8 ☐ WE8321-MS ☐ W-CARB-AA										
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C										

Notes: A		Field/WIN ID → G3NW0175
Location ↓ Irwin Creek		

Signature: <i>[Signature]</i>	Date: 10/22/19
-------------------------------	----------------

LIMS EVENT ID:	WIN Import ID:
Enter Field Parameters, Verify Station ID in LIMS DMT: _____ QC Station ID, Field Parameters in LIMS DMT: _____	
Scan/Save Field Sheets _____	Migrate Data to WIN: _____
Verify Data in WIN: _____	



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name: Allen Lake Input

Date: 10/22/19
(mm/dd/yyyy)

WIN/ Field ID: G3NW0177

WBID: 959F

Latitude: 30.35660

County: Walton

ORG ID: 21FLPNS

Longitude: -86.249844
(Decimal Degrees)

Receiving Body of Water: Oyster Lake

RQ-2019-~~08-12-29~~ 10-21-25
(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment		
<u>NM</u> <u>MC</u>					☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole
										☐ Carboy	☒ Syringe	
										☐ Dipper	☐ Other	
										Depth Measured with <u>ProDSS</u>		
										Equipment ID		
										Collection Method		
										☒ Wading		
										☐ From Shore		
										☐ Other		
										☐ Canoe/Kayak		
										☐ Electric Motor		
										☐ Gasoline Motor		

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded

Meter ID# 154179

Matrix: Fresh Marine / DI

Photos: Yes / ☒ No

Flow: No Flow / Intestinal / Flowing / NA

Tide: Rising/ Falling/ Slack/ NA

Tide Times: High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (umhos/cm)	Temp. (C°)
EST	11:00	0.1	0.05	0.1	2.35	26.3	5.47	0.06	122.6	22.1
CEN				"S"						

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / ☒ W-NO2NO3 / ☒ W-TKN / ☒ W-TOC / ☒ W-S-A-TP	☒ Ice ☒ H2SO4	<u>SAR344070</u>	<u>10/19</u>	☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 um Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / ☒ W-F / ☒ W-TSS / ☒ TURBIDITY / ☒ W-CI-IC / ☒ W-COLOR / ☒ W-SO4-IC / ☒ W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / ☐ W-AR-IC / ☐ W-F / ☐ W-TSS / ☐ TURBIDITY	☐ Ice			
Macroinvertebrates	☐ M-FW-OLDC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ Coll ☐ F Coll ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☒ PCR-BacR ☐ PCR-GUL12 ☒ PCR-HF183 ☒ PCR-DG3 ☐ PCR-GFD	☒ Ice			
Tracers	☒ W-E8321-DE ☒ W-E8321-MS	☒ Ice			
Pesticides	☐ W-PSNP-TOC ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PCL-SQ-R ☐ WE8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DITY-ON-C ☐ PKD-ON-C				

Notes: A

Field/WIN ID → G3NW0177

Location ↓ Allen Lake Input

Signature: [Signature] Date: 10/22/19

LIMS EVENT ID: WIN Import ID:

Enter Field Parameters, Verify Station ID in LIMS DMT: QC Station ID, Field Parameters in LIMS DMT:

Scan/Save Field Sheets (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data in WIN: (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Stalworth Lake input

Date: 9/11/19 10/22/19
(mm/dd/yyyy)

WIN/ Field ID: G3NW0174

WBID: 959F

Latitude: 30.35813

County: Walton

ORG ID: 21FLPNS

Longitude: -86.25919019
(Decimal Degrees)

Receiving Body of Water: Stalworth Lake

RQ-2019-08-12-24 10-21-25
(Decimal Degrees)

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>N. Mulkey</u>						X	X	X	X
<u>M. Clark</u>						X	X	X	X

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☒ Dipper	☐ Other	
Depth Measured with <u>Pross</u>		
Equipment ID <u>Pole 64C</u>		

Collection Method		
☒ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Dry / Pooled / Low / Normal / High / Flooded
Photos: Yes / No / Flow: No Flow / Intestinal / Flowing / NA
Meter ID# 154179 Matrix: Fresh / (Marine) / DI
Tide: Rising / Falling / Slack / NA Tide Times: High Low

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTH)	Sp COND (µmhos/cm)	Temp. (C°)
EST	<u>9:15</u>		<u>0.3</u>	<u>0.6</u>	<u>5.42</u>	<u>67.0</u>	<u>6.11</u>	<u>7.33</u>	<u>12,771</u>	<u>24.3</u>
<u>CEN</u>	<u>11:20</u>	<u>0.6</u>		<u>"S"</u>						

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	<u>S48344070</u>	<u>12/19</u>	☐ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ M-FW-OLIC	☐ Formalin			
Periphyton	☐ ALGAE-ID	☐ Ice			
Microbiology	☒ E Coll ☐ F Coll ☐ Enterococci	☒ Ice			
Molecular	☐ PCR-FILTER ☒ PCR-Bact ☐ PCR-GULL2 ☐ PCR-HF183 ☒ PCR-DG3 ☐ PCR-GFD	☒ Ice			
Tracers	☒ W-E8321-DI ☒ W-E8321-MS	☒ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-E8321-DI ☐ W-PC1-SO-R ☐ W-E8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes: A

Field/WIN ID → G3NW0174

Location ↓ STALWORTH LAKE INPUT

Signature: [Signature] Date: 10/22/19

LIMS EVENT ID: _____ WIN Import ID: _____

Enter Field Parameters, Verify Station ID In LIMS DMT: _____ QC Station ID, Field Parameters In LIMS DMT: _____

Scan/Save Field Sheets _____ Migrate Data to WIN: _____ Verify Data In WIN: _____

Request Number: RQ-2019-000000-24
Dune Lakes

Florida Department of Environmental Protection
Central Laboratory Submittal Form

Customer: NW-DIST
Project ID: SMP

Requester: Michael King
Collected By: Nathan Mubey / Maganda Clark

Field Report Prepared By: N. Mubey
Sampling Agency: N. Roe

Locat	Field/WIN ID →			G3NW0124	
Field	Location ↓	Eastern Lake off of Center Avenue			
WIN					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms		
Locat	Field/WIN ID →			G3NW0175	
Field	Location ↓	Irwin Creek			
WIN					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms		
Locat	Field/WIN ID →			G3NW0177	
Field	Location ↓	Allen Lake Input			
WIN					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms		
Locat	Field/WIN ID →			G3NW0174	
Field	Location ↓	STALWORTH LAKE INPUT			
WIN					
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms		

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/22/19 Time 0940	Matrix (type, e.g. Salt, Fresh, etc)	Diss. Oxygen 6.59	Temp (C) 24.4	pH 7.49	Sample Depth 0.3	Sp. Conductance (umho/cm) 33156	Composite end Date mg/L Total Res. Chlorine % sat	Eastern Central	Bottle Group(s) (See pg 2)
Comments										B

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/22/19 Time 1025	Matrix (type, e.g. Salt, Fresh, etc)	Diss. Oxygen 1.74	Temp (C) 22.1	pH 4.79	Sample Depth 0.15	Sp. Conductance (umho/cm) 114.1	Composite end Date mg/L Total Res. Chlorine % sat	Eastern Central	Bottle Group(s) (See pg 2)
Comments										A

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/22/19 Time 1100	Matrix (type, e.g. Salt, Fresh, etc)	Diss. Oxygen 2.35	Temp (C) 22.1	pH 5.47	Sample Depth 0.05	Sp. Conductance (umho/cm) 122.6	Composite end Date mg/L Total Res. Chlorine % sat	Eastern Central	Bottle Group(s) (See pg 2)
Comments										A

☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/22/19 Time 1120	Matrix (type, e.g. Salt, Fresh, etc)	Diss. Oxygen 5.42	Temp (C) 24.3	pH 6.11	Sample Depth 0.3	Sp. Conductance (umho/cm) 127.1	Composite end Date mg/L Total Res. Chlorine % sat	Eastern Central	Bottle Group(s) (See pg 2)
Comments										A

Relinquished By:	Date/Time: 10/22/19	Shipping Method: Fed Ex	Number of Coolers Shipped: 2	Received By:	Date/Time:
------------------	---------------------	-------------------------	------------------------------	--------------	------------

