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: 153484 **RQ-** 2019-07-27-19 **Project:** Sym? 2019

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 7/12/19

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.	J. Burtchett	8/7/19	758	23.1	755.6	8.30	8.48	99.4	–	1.05	P / F	L / F
ICV	"	"	808	26.4	755.8	8.90	8.99	99.7	–	–	P / F	L / F
CCV	Jon Woods	"	1504	26.6	754.5	7.9	8.09	101.2	–	–	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.	J. Burtchett	8/7/19	800	190618F	06/20	1000	1000	P / F	L / F
ICV	"	"	810	2000884	07/20	100	102	P / F	L / F
CCV	Jon Woods	"	1506	1809270	10/2019	500	507	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.	J. Burtchett	8/7/19	802	180621E	01/20	7.01	21.3	7.02	-55.4	P / F	L / F
Calibr.	"	"	804	190618A	12/20	4.01	20.6	4.00	120.5	P / F	L / F
Calibr.	"	"	806	180621F	01/20	10.06	20.4	10.05	-220.2	P / F	L / F
ICV	"	"	812	180621F	01/20	10.05	20.4	10.02	-220.3	P / F	L / F
CCV	Jon Woods	"	1512	190618A	12/2020	4.00	22.4	4.00	119.7	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 10 164.8, slope from 4 to 7 175.9 (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: 7/12/19
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. Burtchett	8/7/19	756	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:

Form effective August 1, 2018

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified? Yes / (No)

WIN Station Name: Horseshoe Creek 100m upstream from Inter-coastal/Lake Wimico **Date:** 08/07/19 (mm/dd/yyyy)

WIN/ Field ID: G2TLHR0033 **WBID:** 1272 **Latitude:** 29.8439 (Decimal Degrees)

County: Gulf **ORG ID:** 21FLTLHR **Longitude:** 85.2123 (Decimal Degrees)

Receiving Body of Water: Inter-coastal/Lake Wimico **RQ-** 2019-07-29-19

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. Burtchett	✓		✓		
J. Woods		✓		✓	✓

Sampling Equipment
- [x] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [ ] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other
- Depth Measured with ProDSS
- Equipment ID 154177

Collection Method
- [ ] Wading
- [ ] Canoe/Kayak
- [ ] From Shore
- [ ] Electric Motor
- [ ] Other
- [x] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** 153984 **Matrix:** (Fresh) / Marine / DI

Photos: Yes / (No) **Flow:** No Flow / Intestital / (Flowing) / NA **Tide:** Rising/ (Falling)/ Slack/ NA **Tide Times:** (High) 905 Low 1657

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)	1155	2.3	0.3	1.3	5.11	68.0	6.49	0.27	567	30.2
CEN	1157		1.8		4.62	60.9	6.49	0.27	556	30.6

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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[ ] Ice [ ] H_2SO_4	9010030	4/10/20	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[ ] W-PO4-F [x] Field Filtered 0.45 µm Filter	[ ] Ice			
Chlorophyll	[x] CHLSUITE-W	[ ] Ice			
Physical/Aggregate (Fresh)	[x] 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	[x] 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	[ ] Ice			

Place Preservative Sticker(s) Here (If Available)

Notes:

Place Label Here

Signature: [signature] **Date:** 08/07/19

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 (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 (No circled)

WIN Station Name: Inter-coastal 450m d-stream Pine Log Boat Ramp **Date:** 08/07/19 (mm/dd/yyyy)

WIN/ Field ID: G2TLHR0034 **WBID:** 375B **Latitude:** 29.7669 (Decimal Degrees)

County: Franklin **ORG ID:** 21FLTLHR **Longitude:** 85.0388 (Decimal Degrees)

Receiving Body of Water: Gulf of Mexico **RQ-** 2019-07-29-19

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. Burkhett	✓		✓		
J. Woods		✓		✓	✓

Sampling Equipment
- ☑ Sample Container ☐ Van Dorn ☐ Pole
- ☐ Carboy ☑ Syringe
- ☐ Dipper ☐ Other
- Depth Measured with DrqDSS
- Equipment ID 153464

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

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded **Meter ID#** 153464 **Matrix:** Fresh / Marine / DI

Photos: Yes / No **Flow:** No Flow / Intestital / Flowing / NA **Tide:** Rising / Falling / Slack/ NA **Tide Times:** High 905 Low 1657

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	1055	5.1	0.3	1.6	6.42	84.7	7.21	0.07	152.3	29.8
CEN	1058		4.6		6.16	81.0	7.07	0.07	158.0	29.6

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 ☑ H_2SO_4	9010030	4/10/20	☑ <2
Metals	☑ W-ICPMS ☑ W-ICP	☑ Ice ☐ HNO_3	9129030	5/9/20	☑ <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	☐ 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	☐ Ice			

Place Preservative Sticker(s) Here (If Available)

Notes:

Place Label Here

Signature: [signature] **Date:** 08/07/19

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 (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: Saul Creek @ Mouth **Date:** 08/07/19 (mm/dd/yyyy)

WIN/ Field ID: G2TLHR0014 **WBID:** 1271 **Latitude:** 29.7896 (Decimal Degrees)

County: Gulf **ORG ID:** 21FLTLHR **Longitude:** 85.0505 (Decimal Degrees)

Receiving Body of Water: Inter-coastal/Apalachicola River **RQ-** 2019-07-29-19

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. Burchett	✓		✓		
J. Woods		✓		✓	✓

Sampling Equipment
- [x] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [ ] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other
- Depth Measured with: ProDes
- Equipment ID: 153484

Collection Method
- [ ] Wading
- [ ] Canoe/Kayak
- [ ] From Shore
- [ ] Electric Motor
- [ ] Other
- [x] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded **Meter ID#** 153484 **Matrix:** (Fresh) / Marine / DI

Photos: Yes (No) **Flow:** No Flow / Intestital / (Flowing) / NA **Tide:** Rising/ (Falling)/ Slack/ NA **Tide Times:** High 905 Low 1657

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)	1110	7.7	0.3	1.4	6.50	88.8	6.90	0.07	153.9	29.8
CEN	1113		7.2		0.79	10.5	6.52	0.07	158.0	29.5

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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	9010030	4/10/20	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] 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	[ ] Ice			

Place Preservative Sticker(s) Here (If Available)

Notes:

Place Label Here

Signature: [signature] **Date:** 08/07/19

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 _____ (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 (No circled)

WIN Station Name: Double Bayou 800m upstream from Lake Wimico **Date:** 08/07/2019 (mm/dd/yyyy)

WIN/ Field ID: G2TLHR0003 **WBID:** 1262 **Latitude:** 29.791 (Decimal Degrees)

County: Gulf **ORG ID:** 21FLTLHR **Longitude:** 85.1076 (Decimal Degrees)

Receiving Body of Water: Lake Wimico **RQ-** 2019-07-29-19

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
J. Burkhalter	✓		✓		
J. Woods		✓		✓	✓

Sampling Equipment
- [x] Sample Container
- [ ] Van Dorn
- [ ] Pole
- [ ] Carboy
- [x] Syringe
- [ ] Dipper
- [ ] Other
- Depth Measured with proDSS
- Equipment ID 153484

Collection Method
- [ ] Wading
- [ ] Canoe/Kayak
- [ ] From Shore
- [ ] Electric Motor
- [ ] Other
- [x] Gasoline Motor

Water Level: Dry/ Pooled/ Low / Normal / High / Flooded **Meter ID#** 153484 **Matrix:** Fresh / Marine / DI

Photos: Yes / No **Flow:** No Flow / Intestital / Flowing / NA **Tide:** Rising/ Falling/ Slack/ NA **Tide Times:** High 905 Low 1657

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	1130	4.1	0.3	1.7	3.40	43.6	6.30	0.17	~~356.8~~ 358.8	28.2
CEN	1133		3.6		2.96	37.7	6.12	0.17	368.41	27.8

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	[x] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[x] Ice [x] H_2SO_4	901003O	4/10/20	[x] <2
Metals	[ ] W-ICPMS [ ] W-ICP	[ ] Ice [ ] HNO_3			[ ] <2
Filtered Nutrients	[x] W-PO4-F [x] Field Filtered 0.45 µm Filter	[x] Ice			
Chlorophyll	[x] CHLSUITE-W	[x] Ice			
Physical/Aggregate (Fresh)	[x] Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	[x] Ice			
Physical/Aggregate (Marine)	[ ] Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	[ ] Ice			
Macroinvertebrates	[ ] MI-FW-QLDC	[ ] Formalin			
Periphyton	[ ] ALGAE-ID	[x] Ice			
Microbiology	[x] 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	[ ] Ice			

Place Preservative Sticker(s) Here (If Available)

Notes:

Place Label Here

Signature: [signature] **Date:** 08/07/19

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 _____ (Initials/Date) Migrate Data to WIN: _____ (Initials/Date) Verify Data In WIN: _____ (Initials/Date)

Request Number: RQ-2019-07-29-19
Run 13

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: TLH-ROC
Project ID: SMP

Requester: Michael Eckles
Collected By: J. Burtchett, J. Woods

Field Report Prepared By: J. Burtchett
Sampling Agency: 8234

Location	Collection (comp begin or grab)	Composite end	Bottle Group(s) (See pg 2)
Field ID: Field/WIN ID → G2TLHR0034 WIN/STORET: Location ↓ Intercoastal 450m d-stream Pine Log boat Ramp Latitude ☐ dms	☐ Comp ☑ Grab; Date 08/07/19 Time 1055 (Eastern / Central)	Date — Time —	D
Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 6.42 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
Temp (C) 29.8	pH 7.21	Sample Depth 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm) 1523
Salinity (ppt) 0.07 ☐ dd ☐ dms	Comments		

Location	Collection (comp begin or grab)	Composite end	Bottle Group(s)
Field ID: Field/WIN ID → G2TLHR0014 WIN/STORET: Location ↓ SAUL CREEK @ MOUTH Latitude ☐ dms	☑ Comp ☑ Grab; Date 08/07/19 Time 1110 (Eastern / Central)	Date — Time —	A
Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 6.50 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
Temp (C) 29.8	pH 6.90	Sample Depth 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm) 153.9
Salinity (ppt) 0.07 ☐ dd ☐ dms	Comments		

Location	Collection (comp begin or grab)	Composite end	Bottle Group(s)
Field ID: Field/WIN ID → G2TLHR0003 WIN/STORET: Location ↓ Double Bayou 800m upstream from Lake Wimico Latitude ☐ dms	☐ Comp ☑ Grab; Date 08/07/19 Time 1130 (Eastern / Central)	Date — Time —	A
Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 3.40 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
Temp (C) 28.2	pH 6.30	Sample Depth 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm) 356.8
Salinity (ppt) 0.17 ☐ dd ☐ dms	Comments		

Location	Collection (comp begin or grab)	Composite end	Bottle Group(s)
Field ID: Field/WIN ID → G2TLHR0033 WIN/STORET: Location ↓ Horseshoe Creek 100m upstream from Intercoastal/Lake Wimico Latitude ☐ dms	☐ Comp ☑ Grab; Date 08/07/19 Time 1155 (Eastern / Central)	Date — Time —	A
Matrix (type, e.g., Salt, Fresh, etc): Fresh	Diss. Oxygen 5.11 ☑ mg/L ☐ % sat	Total Res. Chlorine (mg/L) —	
Temp (C) 30.6	pH 6.49	Sample Depth 0.3 ☐ ft ☑ m	Sp. Conductance (umho/cm) 567
Salinity (ppt) 0.27 ☐ dd ☐ dms	Comments		

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
JB, JW	08/07/19 ~~1444~~ 1456	HD	1		8/7/19 1457

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
A	P-1L	3	ICE	3
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
A	BP-1L	3	ICE	3
	CHLSUITE-W			
A	P-250ML-WO-THI	3	ICE	6 ~~3~~
	ECOLI-18QT			
A	P-500ML	3	ICE And H2SO4	3
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC		9010030 4/10/20	
A	P-125ML	3	FILTER-ICE	3
	W-PO4-F			
B	P-1L	2	ICE	
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
B	BP-1L	2	ICE	
	CHLSUITE-W			
B	P-250ML-WO-THI	2	ICE	
	ENT-24-QT			
B	P-250ML-WO-THI	2	ICE	
	FCOLI-MF			

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
B	P-500ML	2	HNO3	_____
	W-ICP W-ICPMS			
B	P-500ML	2	ICE And H2SO4	_____
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
B	P-125ML	2	FILTER-ICE	_____
	W-PO4-F			
C	P-1L	1	ICE	_____
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
C	BP-1L	1	ICE	_____
	CHLSUITE-W			
C	P-250ML-WO-THI	1	ICE	_____
	ENT-24-QT			
C	P-250ML-WO-THI	1	ICE	_____
	FCOLI-MF			
C	P-500ML	1	ICE And H2SO4	_____
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
C	P-125ML	1	FILTER-ICE	_____
	W-PO4-F			
D	P-1L	1	ICE	_____

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
D	P-1L	1	ICE	1
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
D	BP-1L	1	ICE	1
	CHLSUITE-W			
D	P-250ML-WO-THI	1	ICE	2
	ECOLI-18QT			
D	P-500ML	1	HNO3	1
	W-ICP W-ICPMS		9129070 5/4/20	
D	P-500ML	1	ICE And H2SO4	1
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC		9010030 4/10/20	
D	P-125ML	1	FILTER-ICE	1
	W-PO4-F			
E	P-1L	2	ICE	
	ALKALINITY TURBIDITY W-BR-IC W-F W-TSS			
E	P-250ML-WO-THI	2	ICE	
	ENT-24-QT			
E	P-250ML-WO-THI	2	ICE	

Group: E	Bottle Type:	P-250ML-WO-THI	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
	FCOLI-MF					
Group: E	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab** _____
	W-ICP W-ICPMS					
Group: E	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** _____
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: E	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab** _____
	W-PO4-F					