

RQ-2019- 10-07-70

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: 10/7/19 initials: SS

☒ Update "SMP Tracker" Date: 10/9/19 initials: SS

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

☒ Copy of Calibration Log for YSI used

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

Scans_ToBeProcessed Date: 10/10/19 initials: SS

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: **155077**

RQ: **2019-10-02-70**

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 **6/13/19**

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	S. Hall	10/2/19	0718	26.7	760.9	8.0	8.03	100.0	-		(P) F	(L) F
CCV	S. Hall	10/8/19	0705	25.4	760.1	8.2	8.17	99.6			(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 μ mhos/cm	Meter Reading μ mhos/cm	Pass / Fail	Lab / Field
Calibr.	S. Hall	10/2/19	0723	190116A	Jan '20	1000	1000	(P) F	(L) F
ICV	S. Hall	10/2/19	0725	190018A	Jan '20	100	102.1	(P) F	(L) F
CCV	S. Hall	10/8/19	0707	190116A	Jan '20	1000	994	(P) F	(L) F
CCV								P / F	L / F

Conductivity Acceptance criteria $\pm 5\%$

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.	S. Hall	10/2/19	0733	2811803	Oct '20	7.	26.6	7.00	-92.0	(P) F	(L) F
Calibr.	S. Hall	10/2/19	0740	2402819	Jan '21	4.	26.6	4.01	70.4	(P) F	(L) F
Calibr.	S. Hall	10/7/19	0742	4904E09	Sep '20	10.	27.0	9.99	-256.9	(P) F	(L) F
ICV	S. Hall	10/2/19	0750	2402819	Jan '21	4.00	25.7	4.07	71.8	(P) F	(L) F
CCV	S. Hall	10/7/19	0716	4904E09	Sep '20	10.06	25.3	10.11	-264.7	(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 $+180 \pm 50$;

mV pH 10 Range -180 ± 50 ;

If mV are recorded: slope from 7 to 10 **159.9**, slope from 4 to 7 **173.4** (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: **6/13/19**

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	S. Hall	10/7/19	0751	0.000	0.000	(P) F	(L) F

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

COMMENTS:



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name: Yellow River below Nichols Creek Confluence

Date: 10/7/19

WIN/ Field ID: G4NW0270

WBID: 30B

Latitude: 30.592025

(mm/dd/yyyy)

County: Santa Rosa

ORG ID: 21FLPNS

Longitude: 86.8913106

(Decimal Degrees)

Receiving Body of Water: Blackwater Bay

RQ-2019-10-07-20

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
SS						X			
MC					X		X		

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

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

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

Meter ID# 156077

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 (µmhos/cm)	Temp. (C°)
EST	9:20	0.7	0.3	0.7	7.29	88.7	6.85	0.02	41.2	25.5
CEN				"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 µm Filter	☒ Ice	16918633		
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / ☒ W-F / ☒ W-TSS / ☒ TURBIDITY / ☒ W-CH-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	☒ 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:

Field/WIN ID:

Location: Yellow River below Nichols Creek Confluence

Signature:

Date: 10/7/19

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 12 10/10/19 (Initials/Date) Migrate Data to WIN: _____ 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: Shoal River below Juniper Creek

Date: 10/7/19

(mm/dd/yyyy)

WIN/ Field ID: G4NW0024

WBID: 160A

Latitude: 30.69521668

(Decimal Degrees)

County: Okaloosa

ORG ID: 21FLPNS

Longitude: -86.58488974

(Decimal Degrees)

Receiving Body of Water: Yellow River

RQ-2019- 10-07-20

Sampling Team Members						WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check	Sampling Equipment				
SS MC						☒	☒	☒	☒	☒	☒ Sample Container	☐ Van Dorn	☐ Pole		
											☐ Carboy	☒ Syringe			
											☐ Dipper	☐ Other			
Depth Measured with						Prop 3 S						Equipment ID			
											Collection Method				
						☐ Wading	☐ From Shore	☐ Other	☐ Canoe/Kayak						
									☐ Electric Motor						
									☒ Gasoline Motor						
Water Level: Dry/ Pooled ☒ Low / Normal / High / Flooded						Meter ID# 158077			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	11:30	1.0	0.3	1.0	7.86	94.8	6.84	0.01	26.4	24.7					
CEN				"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	5/20	☒ <2					
Metals		☒ W-ICPMS ☒ W-ICP				☒ Ice ☒ HNO3		9129070	5/20	☒ <2					
Filtered Nutrients		☒ W-PO4-F ☒ Field Filtered 0.45 um Filter				☒ Ice		16916633							
Chlorophyll		☒ CHL-SUITE-W				☒ Ice									
Physical/Aggregate (Fresh)		☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CH-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-CAR8-AA				☐ Ice									
Phytoplankton		☐ DTY-QN-C ☐ PKD-QN-C													

Notes:

Field/WIN ID



G4NW0024

Location

Shoal River below Juniper Creek

Signature:

[Handwritten Signature]

Date:

10/7/19

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

10/10/19

Migrate Data to WIN:

Verify Data in WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / ☒ No

WIN Station Name: Shoal River upstream Bill Dugger Park SR-85

Date: 10/7/19

(mm/dd/yyyy)

WIN/ Field ID: G4NW0023

WBID: 160A

Latitude: 30.696184001

(Decimal Degrees)

County: Okaloosa

ORG ID: 21FLPNS

Longitude: 86.571097

(Decimal Degrees)

Receiving Body of Water: Yellow River

RQ-2019- 10-07-70

Sampling Team Members					WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
SS						X		X	X
MC					X		X		

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

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
Tide: Rising/ Falling/ Slack/ NA
Tide Times: High Low
Meter ID# 156077
Matrix: Fresh Marine / DI

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTth)	Sp COND (umhos/cm)	Temp. (C°)
EST	12:00	0.6	0.3	0.6	7.97	96.4	7.17	0.01	27.3	25.0
CEN				"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	5/20	☒ <2
Metals	☒ W-ICPMS ☐ W-ICP	☒ Ice ☒ HNO3	9129070	5/20	☒ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 um Filter	☒ Ice	16916633		
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 ☐ W-E8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes: Take 6 pics - N, S, E, W

Field/WIN ID



Location:

Shoal River upstream Bill Dugger Park SR-85

Signature: [Signature]

Date: 10/7/19

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 11/10/19/19 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: Shoal River below Titi Creek

Date: 10/17/19
(mm/dd/yyyy)

WIN/ Field ID: G4NW0410

WBID: 160B

Latitude: 30.701036

County: Okaloosa

ORG ID: 21FLPNS

Longitude: -86.535990
(Decimal Degrees)

Receiving Body of Water: Yellow River

RQ-2019- 10-07-70
(Decimal Degrees)

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

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

Meter ID# 155077

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 (µmhos/cm)	Temp. (C°)
EST	13:20	1.0	0.3	1.0	8.09	97.9	7.13	0.01	24.9	24.9
CEN				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	5/00	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	16918633		
Chlorophyll	☒ CHL-SUITE-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 ☐ W-E8321-MS ☐ W-CARB-AA	☐ Ice			
Phytoplankton	☐ DTY-QN-C ☐ PKD-QN-C				

Notes:

Field/WIN ID:

Location: Shoal River below Titi Creek

Signature:

Date: 10/17/19

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 SS 10/10/19 Migrate Data to WIN: Verify Data in WIN:

(Initials/Date) (Initials/Date) (Initials/Date) (Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

WIN Station Name: Yellow River downstream of Gin Hole Landing

Date: 10/7/19

(mm/dd/yyyy)

WIN/ Field ID: G4NW0494

WBID: 460A-30

Latitude: 30.67852

(Decimal Degrees)

County: Okaloosa

ORG ID: 21FLPNS

Longitude: 86.66070

(Decimal Degrees)

Receiving Body of Water: Blackwater Bay

RQ-2019-10-07-70

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

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

Meter ID# 156077

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 (µmhos/cm)	Temp. (C°)
EST	15:00	1.2	0.3	1.7	7.87	98.4	7.55	0.02	49.6	26.7
CEN	15:05		1.3		7.87	98.4	7.58	0.02	49.6	26.7

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	5/20	☒ <2
Metals	☒ W-ICPMS ☒ W-ICP	☒ Ice ☒ HNO3	9129070	5/20	☒ <2
Filtered Nutrients	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☒ Ice	16918633		
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / 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:

Field/WIN ID



G4NW0494

Location:

Yellow River downstream of Gin Hole Landing

Signature: [Signature]

Date: 10/7/19

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 28 10/10/19 (Initials/Date)

Migrate Data to WIN:

Verify Data In WIN:

(Initials/Date)

(Initials/Date)

(Initials/Date)

(Initials/Date)

SHOAL RIVER

last revised Jan 25, 2018

Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Loca	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/7/19 Time 0920	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)	
Fiel	Location:	G4NW0270		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.29	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN	Yellow River below Nichols Creek Confluence			Temp (C) 25.5 pH 6.85	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 41.2	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.02	Comments			B
Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/7/19 Time 1130	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Location:	G4NW0024		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.88	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/ST	Shoal River below Juniper Creek			Temp (C) 24.7 pH 6.84	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 26.4	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.01	Comments			A
Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/7/19 Time 1200	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Location:	G4NW0023		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 7.97	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STOP	Shoal River upstream Bill Dugger Park SR-85			Temp (C) 25.0 pH 7.17	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 273	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.01	Comments			A
Location	Field/WIN ID		☐ Comp ☒ Grab	Collection (comp begin or grab) Date 10/7/19 Time 1320	Eastern Central	Composite end Date Time	Bottle Group(s)	
Field ID	Location:	G4NW0410		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen 8.09	☒ mg/L ☐ % sat	Total Res. Chlorine (mg/L)	
WIN/STC	Shoal River below Titi Creek			Temp (C) 24.9 pH 7.13	Sample Depth 0.3	☐ ft ☒ m	Sp. Conductance (umho/cm) 24.9	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt) 0.01	Comments			B

Relinquished By: S. Slade	Date/Time 10/07/19 1330	Shipping Method Fedex	Number of Coolers Shipped: 2	Received By:	Date/Time
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Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	3
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab	3
	W-ICP						
	W-ICPMS						
					HNO3 LOT# NA9129070 EXP: 05/09/20		
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	3
	W-NH3						
	W-NO2NO3						
	W-S-A-TP						
	W-TKN						
	W-TOC						
					H2SO4 LOT# SA9129100 EXP: 05/09/2020		
Group: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	3
	W-PO4-F						
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	ALKALINITY						
	TURBIDITY						
	W-CL-IC						
	W-COLOR						
	W-F						
	W-SO4-IC						
	W-TDS						
	W-TSS						
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
	CHLSUITE-W						

Group: B	Bottle Type: TEST HAS NO BOTTLE	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
	NW-UWF-ECQ			Sent To contract 196 UWF	
Group: B	Bottle Type: P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
	W-NH3				
	W-NO2NO3				
	W-S-A-TP				
	W-TKN				
	W-TOC				
Group: B	Bottle Type: P-125ML	# of Bottles: 2	Preservative: FILTER-ICE	Enter Number of Bottles Sent to Lab	2
	W-PO4-F				

H2SO4
LOT# SA9129100
EXP: 05/09/2020

SHOAL RIVER

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Requester: Michael King

Field Report Prepared By:

Stephen Slade

Project ID: SMP

Collected By:

S. Slade / M. Clark

Sampling Agency:

FDEP NWROC

Location	Field/WIN ID				☐ Comp ☒ Grab		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID	Location		G4NW0494		Date		Time		Date		Time		(See pg 2)	
WIN/ST	Yellow River downstream of Gin Hole Landing				Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L ☐ % sat		Total Res. Chlorine (mg/L)		A	
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Temp (C)	pH	Sample Depth	☐ ft ☒ m	Sp. Conductance (umho/cm)					
					002	26.7	7.55	0.3	49.6					
					Comments									

Location					☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID					Date		Time		Date		Time			
WIN/STORET #					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)					
					Comments									

Location					☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID					Date		Time		Date		Time			
WIN/STORET #					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)					
					Comments									

Location					☐ Comp ☐ Grab		Collection (comp begin or grab)		Eastern Central		Composite end		Bottle Group(s)	
Field ID					Date		Time		Date		Time			
WIN/STORET #					Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L ☐ % sat		Total Res. Chlorine (mg/L)			
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Salinity (ppt)	Temp (C)	pH	Sample Depth	☐ ft ☐ m	Sp. Conductance (umho/cm)					
					Comments									

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
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Group: A	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: A	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	Enter Number of Bottles Sent to Lab _____
	W-ICP					
	W-ICPMS					
Group: A	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: A	Bottle Type:	P-125ML	# of Bottles: 2	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab _____
	W-PO4-F					
Group: B	Bottle Type:	P-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	ALKALINITY					
	TURBIDITY					
	W-CL-IC					
	W-COLOR					
	W-F					
	W-SO4-IC					
	W-TDS					
	W-TSS					
Group: B	Bottle Type:	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
	CHLSUITE-W					

Document Reference # 05.1.0

FDEP

Laboratory: Wetlands Research Laboratory

Sampler's initials :

Drop off

on ice by automobile

Page 1 of 1

S. Hoot

FDEP

Date/Time: 10/07/19, 16:35

Leifbesse

of WRL

Date/Time: 10/07/19 11:43:35

Instructions: Fill in all fields except "Lab ID" on sample transport form completely. Each sample container must use a separate line. Place this form in a waterproof bag and place it with the samples for transport. If a field log or other chain of custody is attached, that information may be referenced on this form and the log or COC attached.

[illegible]

Comments sample container lot# CR013V 19192

RQ-2019-10-07-70

Contact organization FDEP

Contact name __Michael King

Phone: (850) 595-8300

Address 160 W Governmental Street, suite 208, Pensacola, FL 32502

Sampler's name:

¹Matrix: SW = surface water, PW = pore water, GW = ground water, S = soil/sediment, X =

²Type codes: G = grab, C = composite, X =

³ Recorded using IRT-2