

Klug, Kyle

From: Ayres, Joshua
Sent: Tuesday, August 20, 2019 10:24 AM
To: Jones, Naasson; Klug, Kyle; Reaves, Shawn D; Reynolds, Tyler; Rodriguez, Gabriel H; Sanford, Tucker; Shaik, Amzad; Watts, John
Subject: FW: RQ-2019-07-15-25 | New field sheet format
Attachments: G4NW0176 (639).pdf; G4NW0415 (676).pdf; G4NW0429 pdf.pdf; G5NW0051 (489A).pdf; micro submittal.pdf



JOSHUA AYRES
Environmental Specialist III
DEP Laboratories
Voice: 850.245.8206
Joshua.Ayres@dep.state.fl.us

From: King, Michael <Michael.King@dep.state.fl.us>
Sent: Monday, August 19, 2019 17:36
To: Watts, John <John.Watts@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RE: RQ-2019-07-15-25 | New field sheet format

I will be in the field tomorrow but please let me know if you have any questions. I will have access to email all day and my cell is 850-287-0382 if you need to call.

Mike

From: Watts, John
Sent: Monday, August 19, 2019 12:09 PM
To: King, Michael <Michael.King@dep.state.fl.us>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RE: RQ-2019-07-15-25 | New field sheet format

Sounds good. Please send to Josh Ayres and me.

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: King, Michael <Michael.King@dep.state.fl.us>
Sent: Monday, August 19, 2019 9:38 AM

To: Watts, John <John.Watts@FloridaDEP.gov>
Subject: RE: RQ-2019-07-15-25 | New field sheet format

John,

I am wanting to try the new sheets with our tablets and would like to go full paperless this time. We only have 4 samples for RQ-2019-08-19-41 that I would like to take today. They will only have one depth so we wont run into the issue we did last time.

On that note I was thinking about separating the top and bottom readings a bit more and adding a text box with verbiage noting that the bottom depth should not be used for Central Lab login. I'll send over a mock up soon, I've just been in the field for 2 ½ weeks straight.

Thanks,

Mike

From: Watts, John
Sent: Friday, August 2, 2019 9:52 AM
To: King, Michael <Michael.King@dep.state.fl.us>; Klug, Kyle <Kyle.Klug@FloridaDEP.gov>
Cc: Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RE: RQ-2019-07-15-25 | New field sheet format

Please do
Thanks

John Watts
FDEP Laboratories
Environmental Administrator
245-8077

From: King, Michael <Michael.King@dep.state.fl.us>
Sent: Friday, August 2, 2019 10:45 AM
To: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>
Cc: Watts, John <John.Watts@FloridaDEP.gov>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: Re: RQ-2019-07-15-25 | New field sheet format

The second collection time and parameters is when two depths are recorded for the meter readings. We usually use the first time (surface reading) as the sample collection time. As we do need the second line for bottom depth when recorded I will try to find a solution to make this less confusing.

Mike

Get [Outlook for iOS](#)

From: Klug, Kyle <Kyle.Klug@FloridaDEP.gov>
Sent: Friday, August 2, 2019 9:38:53 AM
To: King, Michael <Michael.King@dep.state.fl.us>
Cc: Watts, John <John.Watts@FloridaDEP.gov>; Ayres, Joshua <Joshua.Ayres@dep.state.fl.us>
Subject: RQ-2019-07-15-25 | New field sheet format

Good morning,

Log-in Checklist

RQ- 2019-08-19-41

Login Station ID: #5

Shipping Method: ~~FedEx~~ | UPS | HD | Greyhound

Date/Time of Receipt: 8/ 20 /19 @ 10:00

Cooler Temperature*	Samples Frozen	* All Samples in Cooler Preserved with		Number of Sample Containers in Cooler	Evidence Tape				Tracking # Damaged waybills only
					Present?		*Intact?		
	YES	HNO ₃	Formalin		Yes	No	Yes	No	
2.9				17		✓			4751 8782 6083
2.4				9		✓			4751 8782 6072

* HNO₃ and Formalin persevered samples do **NOT** have a temperature requirement. For all others, if the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX and microbiology), or if Evidence Seal is damaged. Identify the containers in the affected cooler(s) on back of this form. **DOH coolers can exceed 2.0 °C above the standard temperature (6.0 or 10.0 °C) without login confirmation from customer for samples requiring ice preservation. An NCR still is required.**

**Chain of Custody/ Field Sheet(s) Included? Yes ✓ No KK

Micro-Biology Overflow Chain of Custody/ Field Sheet(s) Included? Yes ✓ No

****Note:** If "No" is checked below, fill out the back of this form (Field ID, Test IDs, etc.) and generate an NCR.

CONTAINER CHECK

**Evidence Tape on Bottles? Yes No ✓ If yes, is it intact? Yes No
 **Caps on tight? Yes ✓ No **Containers intact? Yes ✓ No
 **Sufficient Sample Volume: Yes ✓ No

CHLORINE CHECK REQUIRED? (Blue dot on container)

Yes ✓ No Init: KK

Chlorine detected? (One container checked per Field ID)

Yes No ✓ Init: KK

If "YES", list affected Field IDs and Test IDs below.

Field ID	List TestID(s) where Chlorine was Detected, an NCR is required.

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes ✓ No NA Init: KK

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes No NA ✓ Init: KK

Coolers Unpacked/Checked by: KK Date: 8/ 20 /19 NCRs (Y/N)? ✓

Event ID: PENS/CANT RUN
NW-DIST-2019-08-20-01 (SMP)
 Date Received: 20-AUG-2019 10:00
 NCR #

Log-in Checklist

Samples with Incorrect pH Preservation

Field ID	Bottle Test ID(s)	pH	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

Additional Comments:

Infrared Thermometer ID:	REC_07_2018 EXP:12/28/19
pH Test Strips 0 – 6 Lot #	
pH Paper 0 – 3 Lot #	220416A EXP:7/30/20
pH Paper 0 – 13 Lot #	222516 EXP:9/15/19
Chlorine Test Strips Lot #	091417V EXP:9/2021

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No _____

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ If No _____

no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF;W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____



RQ-2019- 08-19-41

Customer: NW-DIST

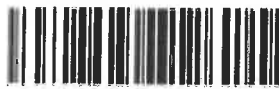
Project ID: SMP

Collected By: Michael King

Field Report Prepared By: Michael King

Sampling Agency: DEP NWROC

Field/WIN ID



G4NW0176

Location:

Direct Runoff-Graveyard Branch @ Tradewinds Dr.

Comments:

Matrix: Fresh

(Check one)

COMPOSITE

☒ GRAB

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
8/19/19	1200	7.38	91.6	26.80	6.55	0.1	0.20	0.2	108.7	0.05
	CST									
	CST						☒ VOB (S)			

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot# SA9010030 Exp: 4/10/20030	☒ Ice ☒ H2SO4	☒ <2	1	C
Metals (P-500ML)	☐ W-ICP ☐ W-ICPMS Lot# Exp:	☐ Ice ☐ HNO3	☐ <2		
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter	☐ Ice		1	C
Chlorophyll (BP-1L)	☒ CHLSUITE-W	☒ Ice		1	C
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CHC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice		1	C
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E. coli ☐ Fecal ☐ Enterococci	☐ Ice		CONTRACT LAB	C
Molecular (QPCR-P-500ML)	☐ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-DG3 ☐ PCR-GFD	☐ Ice			
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS	☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-E8321-MS ☐ W-E8321-DI	☐ Ice ☐ CH2ClCOOH			
Phytoplankton	☐ DTY-QN-C	☐ Ice			

Relinquished By:

Mike King

Date/Time

8/19/19 1600

FedEx

Number of Coolers Shipped:

2

Received By:

HK

Date/Time:

8-20-19 10:00



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

☐ Yes ☐ No

WIN Station Name: Direct Runoff-Graveyard Branch @ Tradewinds Dr. Date: 8/19/19
(mm/dd/yyyy)
WIN/ Field ID: G5NW0051 WBID: 639 Latitude: 30.508777
(Decimal Degrees)
County: Escambia ORG ID: 21FLPNS Longitude: -87.174722
(Decimal Degrees)
Receiving Body of Water: Escambia Bay RQ-2019- 08-19-41

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Mike King	☒	☒	☒	☒	☒
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with _____		
Equipment ID _____		
Collection Method		
☒ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: <u>Low</u>		Meter ID# <u>154179</u>	
Photos: <u>No</u>	Flow: <u>Flowing</u>	Tide: <u>NA</u>	Tide Times: <u>High</u> <u>Low</u>
Biological Samples Collected: None ☒ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI ☐ Other: _____			
SBIO ID Numbers: _____	SBIO-ID: _____	HA-ID: _____	RPS-ID: _____
Macrophyte-ID: _____		LIMS#: _____	
Notes: _____			

Duplicate Sample

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: _____	Location: _____
☐ Field Blank	☐ Equipment Blank
☐ Field Cleaned Equipment Blank	Equipment ID: _____

Signature: _____	Date: _____
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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)



RQ-2019- 08-19-41

Customer: NW-DIST

Project ID: SMP

Collected By: Michael King

Field Report Prepared By: Michael King

Sampling Agency: DEP NWROC

Field/WIN ID



G4NW0415

Location:

Carpenter Creek upstream of 9th Avenue

Comments:

Matrix: Fresh

(Check one)

COMPOSITE

☒ GRAB

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
8/19/19	1115	7.43	88.2	24.40	5.70	0.2	0.30	0.3	94.7	0.04
	CST									
	CST								☐ VOB (S)	

Parameter Suite	Parameter Methods			Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			☒ Ice ☒ H2SO4	☒ <2	1	A
	Lot#	SA9010030	Exp:	04/10/20			
Metals (P-500ML)	☒ W-ICP ☒ W-ICPMS			☒ Ice ☒ HNO3	☒ <2	1	A
	Lot#	NA9099030	Exp:	04/09/20			
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter			☒ Ice		1	A
Chlorophyll (BP-1L)	☒ CHLSUITE-W			☒ Ice		1	A
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS			☒ Ice		1	A
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY			☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC			☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID			☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E. coli ☐ Fecal ☐ Enterococci			☒ Ice		CONTRACT LAB	A
Molecular (QPCR-P-500ML)	☒ PCR-HF183 ☒ PCR-BacR ☐ PCR-GULL2 ☒ PCR-DG3 ☐ PCR-GFD			☐ Ice		1	1
Tracers (BG-500ML)	☐ W-E8321-DI ☐ W-E8321-MS			☐ Ice			
Pesticides (BG-500ML) (BG-1L)	☒ W-PSNP-TQ ☒ W-CT-CL-R ☒ W-CARB-AA			☒ Ice		1	A
	☒ W-PCL-SQ-R ☒ W-E8321-MS ☒ W-E8321-DI			☒ CH2ClCOOH			
Phytoplankton	☐ DTY-QN-C			☐ Ice			

Relinquished By:

Mike King

Date/Time

8/19/19 1600

FedEx

Number of Coolers Shipped:

2

Received By:

hk

Date/Time:

8-20-19 10:00



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No

☐ ☐

WIN Station Name: Carpenter Creek upstream of 9th Avenue

Date: 8/19/19

(mm/dd/yyyy)

WIN/ Field ID: G4NW0415

WBID: 676

Latitude: 30.47142

County: Escambia

ORG ID: 21FLPNS

Longitude: -87.21400

(Decimal Degrees)

(Decimal Degrees)

Receiving Body of Water: Bayou Texar

RQ-2019- 08-19-41

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

Water Level: <u>Normal</u>		Meter ID# <u>154179</u>	
Photos: <u>No</u>	Flow: <u>Flowing</u>	Tide: <u>NA</u>	Tide Times: <u>High</u> <u>Low</u>
Biological Samples Collected: None ☒ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI ☐ Other: _____			
SBIO ID Numbers:	SBIO-ID: _____	HA-ID: _____	RPS-ID: _____
Macrophyte-ID: _____		LIMS#: _____	
Notes: _____			

Duplicate Sample

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: _____	Location: _____
☐ Field Blank	Equipment ID: _____
☐ Equipment Blank	
☐ Field Cleaned Equipment Blank	

Signature: _____	Date: _____
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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)



RQ-2019- 08-19-41

Customer: NW-DIST

Project ID: SMP

Collected By: Michael King

Field Report Prepared By: Nathan Mulkey

Sampling Agency: DEP NWROC

Field/WIN ID →



G4NW0429

Location:

Jones Creek upstream of N Navy Blvd

Comments:

Matrix:

(Check one)

COMPOSITE

☒ GRAB

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
8/19/19	1020	4.64	57.0	26.30	5.34	0.2	0.40	0.3	71.3	0.03
	CST									
	CST								☐ VOB (S)	

Parameter Suite	Parameter Methods			Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP			☒ Ice ☒ H2SO4	☒ <2	1	B
	Lot#	SA9010030	Exp:	04/10/20			
Metals (P-500ML)	☐ W-ICP ☐ W-ICPMS			☐ Ice ☐ HNO3	☐ <2		
	Lot#		Exp:				
Filtered Nutrients (P125ML)	☒ W-PO4-F ☒ Field Filtered 0.45 µm Filter			☐ Ice		1	B
Chlorophyll (BP-1L)	☒ CHLSUITE-W			☒ Ice		1	B
Physical/Aggregate (Fresh) (P-1L)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-CL-IC / W-COLOR / W-SO4-IC / W-TDS			☒ Ice		1	B
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY			☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC			☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID			☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E. coli ☐ Fecal ☐ Enterococci			☐ Ice		CONTRACT LAB	B
Molecular (QPCR-P-500ML)	☒ PCR-HF183 ☐ PCR-BacR ☐ PCR-GULL2 ☐ PCR-DG3 ☐ PCR-GFD			☐ Ice		1	B
Tracers (BG-500ML)	☒ W-E8321-DI ☒ W-E8321-MS			☒ Ice		1	B
Pesticides (BG-500ML) (BG-1L)	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-E8321-MS ☐ W-E8321-DI			☐ Ice ☐ CH2CICOOH			
Phytoplankton	☐ DTY-QN-C			☐ Ice			

Relinquished By:

Mike King

Date/Time

8/19/19 1600

FedEx

Number of Coolers Shipped:

2

Received By:

KH

Date/Time:

8-20-19 / 10:00



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No
☐ ☐

WIN Station Name: Jones Creek upstream of N Navy Blvd

Date: 8/19/19
(mm/dd/yyyy)

WIN/ Field ID: G4NW0429

WBID: 846A

Latitude: 30.39780

County: Escambia

ORG ID: 21FLPNS

Longitude: 87.278261
(Decimal Degrees)

Receiving Body of Water: Bayou Chico

RQ-2019- 08-19-41
(Decimal Degrees)

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Mike King	☒	☒	☒	☒	☒
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☒ Syringe	
☐ Dipper	☐ Other	
Depth Measured with _____		
Equipment ID _____		
Collection Method		
☒ Wading	☐ Canoe/Kayak	
☐ From Shore	☐ Electric Motor	
☐ Other	☐ Gasoline Motor	

Water Level: Normal		Meter ID# 154179	
Photos: No	Flow: Flowing	Tide: NA	Tide Times: High Low
Biological Samples Collected: None ☒ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI ☐ Other:			
SBIO ID Numbers:	SBIO-ID:	HA-ID:	RPS-ID: Macrophyte-ID: LIMS#:
Notes:			

Duplicate Sample

Time Zone: EST CEN	Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____		

Blank

Time Zone: EST CEN	Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: ☐ Field Blank ☐ Equipment Blank ☐ Field Cleaned Equipment Blank	Location: _____	
Equipment ID: _____		

Signature: _____	Date: _____
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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)



RQ-2019- 08-19-41

Customer: NW-DIST

Project ID: SMP

Collected By: Michael King

Field Report Prepared By: Michael King

Sampling Agency: DEP NWROC

Field/WIN ID



G5NW0051

Location:

Ten Mile Creek upstream of Pine Forest Road

Comments:

Matrix: Fresh

(Check one)

COMPOSITE

☒ GRAB

Date	Time	DO (mg/L)	DO (%SAT)	Temp. (C°)	pH	Sample Depth (m)	Secchi Disk (m)	Total Depth (m)	Sp COND (µmhos/cm)	Salinity (PPT)
8/19/19	1240	75.50	101.1	28.60	5.66	0.3	0.60	0.6	75.5	0.03
	CST									
	CST						☐ VOB (S)			

Parameter Suite	Parameter Methods	Preservation	pH Check	# Bottles sent to Lab	Bottle Group
Preserved Nutrients (BP-1L)	☐ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP Lot# Exp:	☐ Ice ☐ H2SO4	☐ <2		
Metals (P-500ML)	☐ W-ICP ☐ W-ICPMS Lot# Exp:	☐ Ice ☐ HNO3	☐ <2		
Filtered Nutrients (P125ML)	☐ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☐ Ice			
Chlorophyll (BP-1L)	☐ CHLSUITE-W	☐ Ice			
Physical/Aggregate (Fresh) (P-1L)	☐ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☐ Ice			
Physical/Aggregate (Marine) (P-1L)	☐ Alkalinity / W-BR-IC / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates (PJ-2L)	☐ MI-FW-QLDC	☐ Formalin			
Periphyton (PT-50ML)	☐ ALGAE-ID	☐ Ice			
Microbiology (Contract Lab Bottle)	☒ E. coli ☐ Fecal ☐ Enterococci	☒ Ice		CONTRACT LAB	D
Molecular (QPCR-P-500ML)	☒ PCR-HF183 ☒ PCR-BacR ☐ PCR-GULL2 ☒ PCR-DG3 ☐ PCR-GFD	☒ Ice		1	D
Tracers (BG-500ML)	☒ W-E8321-DI ☒ W-E8321-MS	☒ Ice		1	D
Pesticides (BG-500ML) (BG-1L)	☐ W-PSNP-TQ ☐ W-CT-CL-R ☐ W-CARB-AA ☐ W-PCL-SQ-R ☐ W-E8321-MS ☐ W-E8321-DI	☐ Ice ☐ CH2CICOOH			
Phytoplankton	☐ DTY-QN-C	☐ Ice			

Relinquished By:

Mike King

Date/Time

8/19/19 1600

FedEx

Number of Coolers Shipped:

2

Received By:

HK

Date/Time:

8-20-19/10:00



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2019

Data Qualified?

Yes / No
☐ ☐

WIN Station Name: Ten Mile Creek upstream of Pine Forest Road Date: 8/19/19
(mm/dd/yyyy)

WIN/ Field ID: G5NW0051 WBID: 489A Latitude: 30.54978
(Decimal Degrees)

County: Escambia ORG ID: 21FLPNS Longitude: 87.31211
(Decimal Degrees)

Receiving Body of Water: Perdido River RQ-2019- 08-19-41

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

Water Level: <u>High</u>		Meter ID# <u>154179</u>	
Photos: <u>No</u>	Flow: <u>Flowing</u>	Tide: <u>NA</u>	Tide Times: <u>High</u> <u>Low</u>
Biological Samples Collected: None ☒ HA ☐ SCI ☐ RPS ☐ Algae ID ☐ LVS ☐ LVI ☐ Other: _____			
SBIO ID Numbers:	SBIO-ID: _____	HA-ID: _____	RPS-ID: _____
Macrophyte-ID: _____		LIMS#: _____	
Notes: _____			

Duplicate Sample

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (WIN ID_DUP)
WIN DMT Activity ID: _____	

Blank

Time Zone: <u>EST</u> <u>CEN</u> Time: _____	Field ID: _____ (Blank Type_DDMMYYYY)
DI Source: _____	Location: _____
☐ Field Blank	Equipment ID: _____
☐ Equipment Blank	
☐ Field Cleaned Equipment Blank	

Signature: _____	Date: _____
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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)

Document Reference # 05.1.0

Method of transport: Drop off on ice by automobile

Sampler's initials : mk

Samples delivered by: mike king of FDEP

Page 1 of 1

Sample received by: A. J. J. J. J. of WRL

Date/Time: 8/19/2019 11325

Date/Time: 8/19/2019 | 1325

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# # CR 113 V

RQ-2019-08-19-41

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

Date of Request: 01-AUG-2019
 Created By: KING_M On: 01-AUG-2019
 Modified By: JASROTIA_P On: 01-AUG-2019
 Customer: NW-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: PENS/CANT RUN

Send Coolers To:

Phone: 850-595-0605
 160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Michael King

Program Module Number: 1306
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: JASROTIA_P On: 01-AUG-2019
 Biology Request Reviewed By: JASROTIA_P On: 01-AUG-2019
 Sampling Kit Required: YES Ship on: 09-AUG-2019
 Sampling Kit Shipped: YES On: 09-AUG-2019
 Sampling Kit Packed By: KLUG_K
 Preservatives Needed: NO
 Date to Receive Samples: 19-AUG-2019
 Received By:

Send Final Report To:

160 Government Center
 Suite 208
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments: Group A: (WBID676) Freshwater Kit With Metals, Pesticides, Contract Lab Bacteria, Tracers, Markers
 Group B: (WBID 846A) Freshwater Kit, Tracers, Markers, Contract Lab Bacteria
 Group C: (WBID 639) Freshwater Kit, Contract Lab Bacteria
 Group D: (WBID 489A) Tracers, Markers, Contract Lab Bacteria

Bottle Group A (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BG-1L	Number of Bottles: 4	Preserved With: ICE
W-PSNP-TQ	Template: (EPA 8270E)	Organonitrogen and phosphorus pesticides in water matrices by GC/MS/MS
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 1	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: CH2ClCOOH Pre-Preserved
W-CARB-AA	Template: DEFAULT	(EPA 8321B) Carbamates in water matrices by HPLC/MS/MS
Bottle Type: BG-500ML	Number of Bottles: 4	Preserved With: ICE
W-CT-CI-R	Template: DEFAULT	(EPA 8276) Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization

Bottle Group A (Water) With 1 Samples:

Bottle Type: BG-500ML	Number of Bottles: 4	Preserved With: ICE
W-PCL-SQ-R	Template: DEFAULT	(EPA 8270E) Organochlorine pesticides in water matrices by GC/MS-SIM
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Barium
Calcium
Iron
Magnesium
Potassium
Sodium
Zinc

W-ICPMS	Template: DEFAULT	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
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*Boron
Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Cobalt
Copper
Lead
Manganese
Molybdenum
Nickel
Selenium
Silver
Thallium

Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group B (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 1	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola
Bottle Type: QPCR-P-500ML	Number of Bottles: 1	Preserved With: ICE

Bottle Group B (Water) With 1 Samples:

Bottle Type: QPCR-P-500ML	Number of Bottles: 1	Preserved With: ICE
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-1L	Number of Bottles: 1	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices using a maximum of 250 mL of sample
Bottle Type: BP-1L	Number of Bottles: 1	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Bottle Type: TEST HAS NO	Number of Bottles: 1	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola
Bottle Type: P-500ML	Number of Bottles: 1	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 1	Preserved With: FILTER-ICE
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group D (Water) With 1 Samples:

Bottle Type: TEST HAS NO	Number of Bottles: 1	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) E. coli by Colilert-18/QT by UWF in Pensacola
Bottle Type: QPCR-P-500ML	Number of Bottles: 1	Preserved With: ICE
PCR-HF183	Template: DEFAULT	(SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction
Bottle Type: BG-500ML	Number of Bottles: 1	Preserved With: ICE
W-E8321-DI	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Template: DEFAULT	(EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.