

RQ-2018062809

Log-in Checklist

Login Station ID: #2Shipping Method: FedEx | UPS | HD | Greyhound | _____Date/Time of Receipt: 7-7-18/10:25

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
Yes	No	Yes	No	Yes	No		
Red	1.7	42		✓			
Red	1.8			✓			

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

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

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

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

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: _____

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.						
Analysis	Yes	No	Analysis	Yes	No	
W-1,4 DIOX			W-PC-AA-SF			
W-E8321-DI, -MS, -21			W-NP-AA-SF			
W-BNA (-625, -R)			W-PDQUAT			
W-CARB-AA (-CAB-AA-R)			W-PCL-SQ-R			
W-U2060-MS			W-TR-TQ			
W-PCB-R			W-CT-CI-R			
W-PAH (-R)			W-PSNP-TQ			

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

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

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

Coolers Unpacked/Checked by: SR Date: 7-7-18 NCRs (Y/N)? N

Event ID: NW-81ST-2018-07-17-01 NCR # _____

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	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_02_2018
pH Paper 0.0 – 3.0 Lot #	230515 EXP:10-30-18
pH Paper 0 – 13 Lot #	222516 EXP:08-15-19
Chlorine Test Strips Lot #	033117L EXP:03/21

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: _____

Bayou Chico BMAP

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Requester: Cheryl Bunch

Field Report Prepared By: A. McCann

Project ID: BMAP

Collected By: A. McCann, A. Lummery

Sampling Agency: Escambia County

Location	WIN ID/Field ID	33020118	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/16/18 Time 10:05	Eastern Central	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID				Matrix (type, e.g., Salt, Fresh, etc) Salt	Diss. Oxygen 2.10/28.5	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)
WIN/ST	Location			Temp (C) 28.98	pH 6.57	Sample Depth 0.2	Sp. Conductance (umho/cm) 14608.2
Latitude	Jones Creek at Old Corry Road		☐ dd ☐ dms	Salinity (ppt) 8.6	Comments		A
Location	WIN ID/Field ID	33020JD4	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/16/18 Time 9:40	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc) Salt	Diss. Oxygen 6.32/93.0	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)
WIN/ST	Location			Temp (C) 31.18	pH 7.67	Sample Depth 0.2	Sp. Conductance (umho/cm) 26930.0
Latitude	Bayou Chico at Mandalay Drive		☐ dd ☐ dms	Salinity (ppt) 16.8	Comments		A
Location	WIN ID/Field ID	33020JE20	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/16/18 Time 12:55	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc) Salt	Diss. Oxygen 7.00/105.4	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)
WIN/ST	Location			Temp (C) 33.17	pH 7.01	Sample Depth 0.2	Sp. Conductance (umho/cm) 29345.9
Latitude	Bayou Chico at Navy Blvd. Bridge		☐ dd ☐ dms	Salinity (ppt) 15.0	Comments		A
Location	WIN ID/Field ID	33020JF1	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 7/16/18 Time 13:10	Eastern Central	Composite end Date Time	Bottle Group(s)
Field ID				Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 4.36/50.4	☒ mg/L ☒ % sat	Total Res. Chlorine (mg/L)
WIN/ST	Location			Temp (C) 28.51	pH 6.69	Sample Depth 0.2	Sp. Conductance (umho/cm) 2598.2
Latitude	Bayou Chico at at W St. Bridge		☐ dd ☐ dms	Salinity (ppt) 28.51	Comments		A

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
Wm	7/16/18 1600	FEDEX	2	SR	7-17-18/10:25

Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: A	Bottle Type: NW-UWF-ENQ	TEST HAS NO BOTTLE	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	0 sent 4 @ contract lab
Group: A	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 4	Preservative: ICE	Enter Number of Bottles Sent to Lab	4
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 4	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	0 sent 2 @ contract lab
Group: B	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 2	Preservative: ICE	Enter Number of Bottles Sent to Lab	2
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 2	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 1	Preservative: ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 1	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	1

Bayou Chico BMAP

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Requester: Cheryl Bunch

Field Report Prepared By: A. McLean

Project ID: BMAP

Collected By: A. McLean, R. Curran

Sampling Agency: Eschbach County

Location		☐ Comp	Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s) (See pg 2)
WIN ID/Field ID		☒ Grab	Date	Time	Central	Date	Time	
Field		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L	Total Res. Chlorine	B
WIN		Temp (C)		pH	Sample Depth	☐ ft	Sp. Conductance (umho/cm)	
Location		Salinity (ppt)		Comments				
Latitude		☐ dd		☐ dms				
Location		☐ Comp	Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s)
WIN ID/Field ID		☒ Grab	Date	Time	Central	Date	Time	
Field		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L	Total Res. Chlorine	B
WIN		Temp (C)		pH	Sample Depth	☐ ft	Sp. Conductance (umho/cm)	
Location		Salinity (ppt)		Comments				
Latitude		☐ dd		☐ dms				
Location		☐ Comp	Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s)
WIN ID/Field ID		☒ Grab	Date	Time	Central	Date	Time	
Field		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☒ mg/L	Total Res. Chlorine	C
WIN		Temp (C)		pH	Sample Depth	☐ ft	Sp. Conductance (umho/cm)	
Location		Salinity (ppt)		Comments				
Latitude		☐ dd		☐ dms				
Location		☐ Comp	Collection (comp begin or grab)		Eastern	Composite end		Bottle Group(s)
Field ID		☐ Grab	Date	Time	Central	Date	Time	
WIN/STORET #		Matrix (type, e.g., Salt, Fresh, etc)		Diss. Oxygen		☐ mg/L	Total Res. Chlorine	
Latitude		Temp (C)		pH	Sample Depth	☐ ft	Sp. Conductance (umho/cm)	
Longitude		Salinity (ppt)		Comments				
☐ dd		☐ dd		☐ dms				

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
W. McLean	7/16/18 1600	FEDEX	2	SR	7-17-18 / 10:25

Group: A	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
Group: A	Bottle Type: NW-UWF-ENQ	TEST HAS NO BOTTLE	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
Group: A	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
Group: A	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 4	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
Group: B	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
Group: B	Bottle Type: NW-UWF-ECQ	TEST HAS NO BOTTLE	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
Group: B	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
Group: B	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 2	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
Group: C	Bottle Type: TURBIDITY	P-250ML	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab _____
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab _____

Department of Environmental Protection
Water Quality Report Form

Agency 21FLPNS		Station 33020JF1		Water Collection Depth: ☒ 0.20m ☐ Other:		Collection Container Triple Rinsed ☒	
Date 7/16/18		Time of Grab Sample 13:10		☒ CST ☐ EST			
Water (check as appropriate)		Soils/Sediment		Tissue		Collection Mode	
Surface Water ☒	Equip Blank ☐	Terrestrial ☐	Fish ☐	by Foot ☒	☐ by Boat		
Ground Water ☐	Field Blank ☐	Freshwater Sed ☐	Shellfish ☐	Wading ☐	☐ Canoe		
Waste Water ☐	Trip Blank ☐	Marine Sed ☐	Other ☐	On Shore ☒	☐ Gas Motor		
Other:	Duplicate ☐	Sludge ☐					
Parameter Suite	Parameter(s)/Method			Preservation	Acid Lot/Exp	Expiration	Check pH
Preserved Nutrients	☒ TKN ☒ TP ☒ NO2+NO3 ☒ NH3 ☐ TOC			☐ Ice ☒ H2SO4 2ml	50737046	12/7/18	☒ <2 pH
Metals	☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr			☐ HNO3 1ml			☐ <2 pH
Filtered Nutrients	☐ PO4 ☐ Field Filtered .45 um filter			☐ Ice			
All Other Samples unless otherwise noted				☐ Other: n/c	☐ Ice		
Biological Sample Collected:		Macroinvertebrates ☐		Phytoplankton ☐	Periphyton ☐	AGP ☐	

Meter ID Num: Smer+TR066		Equipmt Used: Sample Container ☐ Pole ☐ Syringe ☐ Van Dorn ☐ Other ☐		Equipmt ID Num: ☐ Field Cleaned			
Remarks: Begin raining during sampling Dead Salvinia				LOCATION Bayou Chico at W Street Lat: N Long: W			
Parameter	Unit	Code	Field Value	Parameter	Unit	Code	Lab Request
Field Identity	Number	29	G	Conductivity Lab	UMHO	95	
Temp. Water	°C	10	28.51	pH Lab	Std. Unit	403	
Temp. Air	°C	20		Turbidity, HACH	NTU	76	
Precipitation (24hr)	Inches	45	N	Color	PT-CO	80	
Cloud Cover	Percent	32	80	BOD, 5 Day	mg/L	310	
Wind Velocity	MPH	35		NFLT Residue	mg/L	530	
Wind Dir. From	Degrees	36		N-NH3, Total	mg/L	610	
Tide Stage	Code	67		Un-Ionized NH3	mg/L	619	
Water Depth, Max	Meters	82903	1.3	N-TKN	mg/L	625	
Secchi	Meters	78	21.3	N-NO2 +NO3	mg/L	630	
Meter Sample Depth	Meters	98	0.2	Phos-Total	mg/L	665	
Conductivity Field	UMHO	94	2598.2	Enterococcus	#/100mL	31649	
Salinity	PPTH	480	1.4	Total Coliform	#/100mL	31501	
DO Probe	mg/L	299	4.36	Fecal Coliform	#/100mL	31616	
DO % Saturation	Percent	301	56.4	Chlorophyll A	UG/L	32210	
pH Field	Std. Unit	400	6.69	Chlorophyll A	Corrected	32211	
Sample Taken By: R. Cummins, A. McLane				Report Verified By:			
Report Prepared By: A. McLane				() CHANGE			

Department of Environmental Protection
Water Quality Report Form

Agency 21FLPNS		Station 3302JE20		Water Collection Depth: ☐ 0.20m ☐ Other:		Collection Container Triple Rinsed ☒	
		Date 7/16/18		Time of Grab Sample 12:55		☒ CST ☐ EST	
Water (check as appropriate)		Soils/Sediment		Tissue		Collection Mode	
Surface Water ☒	Equip Blank ☐	Terrestrial ☐	Fish ☐	by Foot ☐	☐ by Boat		
Ground Water ☐	Field Blank ☐	Freshwater Sed ☐	Shellfish ☐	Wading ☐	☐ Canoe		
Waste Water ☐	Trip Blank ☐	Marine Sed ☐	Other ☐	On Shore ☐	☐ Gas Motor		
Other:	Duplicate ☐	Sludge ☐					
Parameter Suite		Parameter(s)/Method		Preservation	Acid Lot	Expiration	Check pH
Preserved Nutrients		☐ TKN ☐ TP ☐ NO2NO3 ☐ NH3 ☐ TOC ☐ Other:		☒ Ice ☐ H2SO4 2ml	58734620	12/7/18	☒ <2 pH
Metals		☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr		☐ HNO3 1ml			☐ <2 pH
Filtered Nutrients		☐ PO4 ☐ Field Filtered .45 um filter		☐ Ice			
All Other Samples unless otherwise noted		☐ Other: <i>micro</i>		☒ Ice			
Biological Sample Collected: Macroinvertebrates ☐ Phytoplankton ☐ Periphyton ☐ AGP ☐							

Meter	Equipmt	Sample Container ☐ Pole ☒	Equipmt	☐ Field
ID Num: <i>SmartROLL</i>	Used:	Syringe ☐ Van Dorn ☐ Other ☐	ID Num:	Cleaned

Remarks:				LOCATION			
				Bayou Chico at Navy Boulevard Bridge			
				Lat: N Long: W			

Parameter	Unit	Code	Field Value	Parameter	Unit	Code	Lab Request
Field Identity	Number	29	F	Conductivity Lab	UMHO	95	
Temp. Water	°C	10	33.17	pH Lab	Std. Unit	403	
Temp. Air	°C	20		Turbidity, HACH	NTU	76	
Precipitation (24hr)	Inches	45	N	Color	PT-CO	80	
Cloud Cover	Percent	32	80	BOD, 5 Day	mg/L	310	
Wind Velocity	MPH	35		NFLT Residue	mg/L	530	
Wind Dir. From	Degrees	36		N-NH3, Total	mg/L	610	
Tide Stage	Code	67		Un-Ionized NH3	mg/L	619	
Water Depth, Max	Meters	82903	0.5	N-TKN	mg/L	625	
Secchi	Meters	78	20.5	N-NO2 +NO3	mg/L	630	
Meter Sample Depth	Meters	98	0.2	Phos-Total	mg/L	665	
Conductivity Field	UMHO	94	24345.9	Enterococcus	#/100mL	31649	
Salinity	PPTH	480	15.0	Total Coliform	#/100mL	31501	
DO Probe	mg/L	299	7.00	Fecal Coliform	#/100mL	31616	
DO % Saturation	Percent	301	105.4	Chlorophyll A	UG/L	32210	
pH Field	Std. Unit	400	7.01	Chlorophyll A	Corrected	32211	

Sample Taken By: <i>R. Cummins, A. McIver</i>	Report Verified By:
Report Prepared By: <i>A. McIver</i>	() CHANGE Date Submitted

Department of Environmental Protection
Water Quality Report Form

Agency 21FLPNS		Station 33020222		Date 7/16/18		Water Collection Depth: ☐ 0.20m ☐ Other:		Collection Container Triple Rinsed ☒					
Time of Grab Sample 10:55		☒ CST ☐ EST		Water (check as appropriate)		Soils/Sediment		Tissue		Collection Mode			
Surface Water ☒		Equip Blank ☐		Terrestrial ☐		Fish ☐		by Foot ☐		☐ by Boat			
Ground Water ☐		Field Blank ☐		Freshwater Sed ☐		Shellfish ☐		Wading ☐		☐ Canoe			
Waste Water ☐		Trip Blank ☐		Marine Sed ☐		Other ☐		On Shore ☒		☐ Gas Motor			
Other:		Duplicate ☐		Sludge ☐									
Parameter Suite		Parameter(s)/Method				Preservation		Acid Lot/Exp		Expiration		Check pH	
Preserved Nutrients		TKN ATP NO2 NO3 NH3 ☐ TOC ☐ Other:				☒ Ice ☒ H2SO4 2ml		S07341026		12/7/18		☒ <2 pH	
Metals		☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr				☐ HNO3 1ml						☐ <2 pH	
Filtered Nutrients		☐ PO4 ☐ Field Filtered .45 um filter				☐ Ice							
All Other Samples unless otherwise noted				☒ Other: Micro		☒ Ice							
Biological Sample Collected:				Macroinvertebrates ☐		Phytoplankton ☐		Periphyton ☐		AGP ☐			

Meter ID Num: Smt+120LL		Equipmt Used:		Sample Container ☐ Pole ☒		Equipmt ID Num:		☐ Field ☐ Cleaned	
Remarks: Just marked				LOCATION Jackson Creek, at New Warrington Road Lat: N Long: W					
Parameter	Unit	Code	Field Value	Parameter	Unit	Code	Lab Request		
Field Identity	Number	29	E	Conductivity Lab	UMHO	95			
Temp. Water	°C	10	29.07	pH Lab	Std. Unit	403			
Temp. Air	°C	20		Turbidity, HACH	NTU	76			
Precipitation (24hr)	Inches	45	N	Color	PT-CO	80			
Cloud Cover	Percent	32	10	BOD, 5 Day	mg/L	310			
Wind Velocity	MPH	35		NFLT Residue	mg/L	530			
Wind Dir. From	Degrees	36		N-NH3, Total	mg/L	610			
Tide Stage	Code	67		Un-ionized NH3	mg/L	619			
Water Depth, Max	Meters	82903	0.35	N-TKN	mg/L	625			
Secchi	Meters	78	20.35	N-NO2 +NO3	mg/L	630			
Meter Sample Depth	Meters	98	0.2	Phos-Total	mg/L	665			
Conductivity Field	UMHO	94	166.9	Enterococcus	#/100mL	31649			
Salinity	PPTH	480	0.1	Total Coliform	#/100mL	31501			
DO Probe	mg/L	299	2.59	Fecal Coliform	#/100mL	31616			
DO % Saturation	Percent	301	33.5	Chlorophyll A	UG/L	32210			
pH Field	Std. Unit	400	6.69	Chlorophyll A	Corrected	32211			
Sample Taken By: R. Curran, A. MCC-1000				Report Verified By:					
Report Prepared By: A. McCarter				() CHANGE					

Department of Environmental Protection
Water Quality Report Form

Agency 21FLPNS		Station 33020221		Water Collection Depth: ☒ 0.20m ☐ Other:		Collection Container Triple Rinsed ☐	
		Date 7/18/18		Time of Grab Sample 10:30		☒ CST ☐ EST	
Water (check as appropriate)		Soils/Sediment		Tissue		Collection Mode	
Surface Water ☒	Equip Blank ☐	Terrestrial ☐	Fish ☐	by Foot ☒	by Boat ☐		
Ground Water ☐	Field Blank ☐	Freshwater Sed ☐	Shellfish ☐	Wading ☐	Canoe ☐		
Waste Water ☐	Trip Blank ☐	Marine Sed ☐	Other ☐	On Shore ☒	Gas Motor ☐		
Other:	Duplicate ☐	Sludge ☐					
Parameter Suite		Parameter(s)/Method		Preservation	Acid Lot/Exp	Expiration	Check pH
Preserved Nutrients		☒ TKN ☐ TP ☐ NO2NO3 ☐ NH3 ☐ TOC		☐ Ice ☐ H2SO4 2ml	SP341620	12/7/18	☒ <2 pH
Metals		☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr		☐ HNO3 1ml			☐ <2 pH
Filtered Nutrients		☐ PO4 ☐ Field Filtered .45 um filter		☐ Ice			
All Other Samples unless otherwise noted		☐ Other: <i>Micro</i>		☐ Ice			
Biological Sample Collected: Macroinvertebrates ☐ Phytoplankton ☐ Periphyton ☐ AGP ☐							

Meter ID Num: <i>Smart+TROLL</i>		Equipmt Used: Sample Container ☐ Pole ☒ Syringe ☐ Van Dorn ☐ Other ☐		Equipmt ID Num:		☐ Field Cleaned	
Remarks: <i>Strong color of dog waste sample taken up stream</i>				LOCATION Jackson Creek at Old Corry Road Lat: N Long: W			
Parameter	Unit	Code	Field Value	Parameter	Unit	Code	Lab Request
Field Identity	Number	29	D	Conductivity Lab	UMHO	95	
Temp. Water	°C	10	20.18	pH Lab	Std. Unit	403	
Temp. Air	°C	20		Turbidity, HACH	NTU	76	
Precipitation (24hr)	Inches	45	N	Color	PT-CO	80	
Cloud Cover	Percent	32	10	BOD, 5 Day	mg/L	310	
Wind Velocity	MPH	35		NFLT Residue	mg/L	530	
Wind Dir. From	Degrees	36		N-NH3, Total	mg/L	610	
Tide Stage	Code	67		Un-Ionized NH3	mg/L	619	
Water Depth, Max	Meters	82903	0.35	N-TKN	mg/L	625	
Secchi	Meters	78	0.35	N-NO2 +NO3	mg/L	630	
Meter Sample Depth	Meters	98	0.2	Phos-Total	mg/L	665	
Conductivity Field	UMHO	94	160.4	Enterococcus	#/100mL	31649	
Salinity	PPTH	480	0.1	Total Coliform	#/100mL	31501	
DO Probe	mg/L	299	6.45	Fecal Coliform	#/100mL	31616	
DO % Saturation	Percent	301	79.5	Chlorophyll A	UG/L	32210	
pH Field	Std. Unit	400	7.40	Chlorophyll A	Corrected	32211	
Sample Taken By: <i>R. Cummings</i>				Report Verified By:			
Report Prepared By: <i>R. McLeary</i>				() CHANGE			

Department of Environmental Protection
Water Quality Report Form

Agency 21FLPNS		Station 33020118		Water Collection Depth: ☒ 0.20m ☐ Other:		Collection Container Triple Rinsed ☒	
Date 7/16/18		Time of Grab Sample 10:05		☒ CST ☐ EST			
Water (check as appropriate)		Soils/Sediment		Tissue		Collection Mode	
Surface Water ☒	Equip Blank ☐	Terrestrial ☐	Fish ☐	by Foot ☒	by Boat ☐		
Ground Water ☐	Field Blank ☐	Freshwater Sed ☐	Shellfish ☐	Wading ☐	Canoe ☐		
Waste Water ☐	Trip Blank ☐	Marine Sed ☐	Other ☐	On Shore ☒	Gas Motor ☐		
Other:	Duplicate ☐	Sludge ☐					
Parameter Suite		Parameter(s)/Method		Preservation	Acid Lot/Exp	Expiration	Check pH
Preserved Nutrients		☒ TKN ☐ TP ☐ NO2NO3 ☒ NH3 ☐ TOC		☒ Ice ☐ H2SO4 2ml	SA 24102	10/7/18	☒ <2 pH
Metals		☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr		☐ HNO3 1ml			☐ <2 pH
Filtered Nutrients		☐ PO4 ☐ Field Filtered .45 um filter		☐ Ice			
All Other Samples unless otherwise noted		☒ Other: mics		☐ Ice			
Biological Sample Collected: Macroinvertebrates ☐ Phytoplankton ☐ Periphyton ☐ AGP ☐							

Meter ID Num: 5mcs+TROLL	Equipmt Used: Sample Container ☐ Pole ☒ Syringe ☐ Van Dorn ☐ Other ☐	Equipmt ID Num:	☐ Field Cleaned
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Remarks:	LOCATION Jones Creek at Old Corry Road
	Lat: N Long: W

Parameter	Unit	Code	Field Value	Parameter	Unit	Code	Lab Request
Field Identity	Number	29	C	Conductivity Lab	UMHO	95	
Temp. Water	°C	10	28.98	pH Lab	Std. Unit	403	
Temp. Air	°C	20		Turbidity, HACH	NTU	76	
Precipitation (24hr)	Inches	45	N	Color	PT-CO	80	
Cloud Cover	Percent	32	10	BOD, 5 Day	mg/L	310	
Wind Velocity	MPH	35		NFLT Residue	mg/L	530	
Wind Dir. From	Degrees	36		N-NH3, Total	mg/L	610	
Tide Stage	Code	67		Un-Ionized NH3	mg/L	619	
Water Depth, Max	Meters	82903	0.9	N-TKN	mg/L	625	
Secchi	Meters	78	>0.9	N-NO2 +NO3	mg/L	630	
Meter Sample Depth	Meters	98	0.2	Phos-Total	mg/L	665	
Conductivity Field	UMHO	94	14608.2	Enterococcus	#/100mL	31649	
Salinity	PPTH	480	8.6	Total Coliform	#/100mL	31501	
DO Probe	mg/L	299	2.10	Fecal Coliform	#/100mL	31616	
DO % Saturation	Percent	301	28.5	Chlorophyll A	UG/L	32210	
pH Field	Std. Unit	400	6.57	Chlorophyll A	Corrected	32211	

Sample Taken By: R. Cummins, A. McElmer	Report Verified By:
Report Prepared By: A. McElmer	() CHANGE

Department of Environmental Protection
Water Quality Report Form

Agency 21FLPNS		Station 33020JD4		Water Collection Depth: ☒ 0.20m ☐ Other:		Collection Container Triple Rinsed ☒	
		Date 7/16/18		Time of Grab Sample 9:40		☒ CST ☐ EST	
Water (check as appropriate)		Soils/Sediment		Tissue		Collection Mode	
Surface Water ☒	Equip Blank ☐	Terrestrial ☐	Fish ☐	by Foot ☒	☐ by Boat		
Ground Water ☐	Field Blank ☐	Freshwater Sed ☐	Shellfish ☐	Wading ☒	☐ Canoe		
Waste Water ☐	Trip Blank ☐	Marine Sed ☐	Other ☐	On Shore ☐	☐ Gas Motor		
Other:	Duplicate ☐	Sludge ☐					
Parameter Suite		Parameter(s)/Method		Preservation	Acid Lot/Exp	Expiration	Check pH
Preserved Nutrients		☒ TKN ☒ TP ☒ NO2+NO3 ☒ NH3 ☐ TOC		Ice	50541020	12/7/18	☒ <2 pH
Metals		☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr		☐ HNO3 1ml			☐ <2 pH
Filtered Nutrients		☐ PO4 ☐ Field Filtered .45 um filter		☐ Ice			
All Other Samples unless otherwise noted				☒ Other: <u>Micro</u>	☒ Ice		
Biological Sample Collected:				Macroinvertebrates ☐	Phytoplankton ☐	Periphyton ☐	AGP ☐

Meter ID Num: <u>Smart-MOUL</u>		Equipmt Used: Sample Container ☐ Pole ☒ Syringe ☐ Van Dorn ☐ Other ☐		Equipmt ID Num:		☐ Field Cleaned	
Remarks: <u>Salvinia</u>				LOCATION <u>SW Arm Bayou Chico N of Mandalay Drive</u>			
				Lat: N Long: W			
Parameter	Unit	Code	Field Value	Parameter	Unit	Code	Lab Request
Field Identity	Number	29	B	Conductivity Lab	UMHO	95	
Temp. Water	°C	10	31.18	pH Lab	Std. Unit	403	
Temp. Air	°C	20		Turbidity, HACH	NTU	76	
Precipitation (24hr)	Inches	45	N	Color	PT-CO	80	
Cloud Cover	Percent	32	10	BOD, 5 Day	mg/L	310	
Wind Velocity	MPH	35		NFLT Residue	mg/L	530	
Wind Dir. From	Degrees	36		N-NH3, Total	mg/L	610	
Tide Stage	Code	67		Un-Ionized NH3	mg/L	619	
Water Depth, Max	Meters	82903	0.65	N-TKN	mg/L	625	
Secchi	Meters	78	0.65	N-NO2 +NO3	mg/L	630	
Meter Sample Depth	Meters	98	0.2	Phos-Total	mg/L	665	
Conductivity Field	UMHO	94	26930.0	Enterococcus	#/100mL	31649	
Salinity	PPTH	480	16.8	Total Coliform	#/100mL	31501	
DO Probe	mg/L	299	6.12	Fecal Coliform	#/100mL	31616	
DO % Saturation	Percent	301	98.0	Chlorophyll A	UG/L	32210	
pH Field	Std. Unit	400	7.67	Chlorophyll A	Corrected	32211	
Sample Taken By: <u>A. McCann</u>				Report Verified By:			
Report Prepared By: <u>A. McCann</u>				() CHANGE			

Department of Environmental Protection
Water Quality Report Form

Agency 21FLPNS		Station 33020J10		Date 7/16/18		Water Collection Depth: ☒ 0.20m ☐ Other:		Collection Container Triple Rinsed ☒			
Time of Grab Sample 9:10								☒ CST ☐ EST			
Water (check as appropriate)			Soils/Sediment			Tissue			Collection Mode		
Surface Water ☒			Equip Blank ☐			Terrestrial ☐			Fish ☐		
Ground Water ☐			Field Blank ☐			Freshwater Sed ☐			Shellfish ☐		
Waste Water ☐			Trip Blank ☐			Marine Sed ☐			Other ☐		
Other: Duplicate ☐			Sludge ☐								
Parameter Suite		Parameter(s)/Method				Preservation		Acid Lot/Exp		Expiration	
Preserved Nutrients		☒ TKN ☐ TP ☐ NO2NO3 ☐ NH3 ☐ TOC				☒ Ice		5434/026		12/1/16	
Metals		☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr				☐ HNO3 1ml				☐ <2 pH	
Filtered Nutrients		☐ PO4 ☐ Field Filtered .45 um filter				☐ Ice				☐ <2 pH	
All Other Samples unless otherwise noted				☐ Other:		☐ Ice					
Biological Sample Collected:				Macroinvertebrates ☐		Phytoplankton ☐		Periphyton ☐		AGP ☐	

Meter ID Num: Smart Moll		Equipmt Used: Sample Container ☐ Pole ☒		Equipmt ID Num:		☐ Field Cleaned	
Syringe ☐		Van Dorn ☐		Other ☐			

Remarks:				LOCATION Pensacola Bay at Sanders Beach			
				Lat: N Long: W			

Parameter	Unit	Code	Field Value	Parameter	Unit	Code	Lab Request
Field Identity	Number	29	A	Conductivity Lab	UMHO	95	
Temp. Water	°C	10	30.73	pH Lab	Std. Unit	403	
Temp. Air	°C	20		Turbidity, HACH	NTU	76	
Precipitation (24hr)	Inches	45	N	Color	PT-CO	80	
Cloud Cover	Percent	32	20%	BOD, 5 Day	mg/L	310	
Wind Velocity	MPH	35		NFLT Residue	mg/L	530	
Wind Dir. From	Degrees	36		N-NH3, Total	mg/L	610	
Tide Stage	Code	67		Un-Ionized NH3	mg/L	619	
Water Depth, Max	Meters	82903	0.8	N-TKN	mg/L	625	
Secchi	Meters	78	>0.8	N-NO2 +NO3	mg/L	630	
Meter Sample Depth	Meters	98	0.2	Phos-Total	mg/L	665	
Conductivity Field	UMHO	94	28740.2	Enterococcus	#/100mL	31649	
Salinity	PPTH	480	18.0	Total Coliform	#/100mL	31501	
DO Probe	mg/L	299	5.73	Fecal Coliform	#/100mL	31616	
DO % Saturation	Percent	301	83.7	Chlorophyll A	UG/L	32210	
pH Field	Std. Unit	400	7.85	Chlorophyll A	Corrected	32211	

Sample Taken By: R. Curran, D. McCann		Report Verified By:	
Report Prepared By: D. McCann		() CHANGE	

SAMPLE TRANSMITTAL FORM
Document Reference # 05.1.0

Sampler's initials : RC/AM

Page 1 of 1

Date/Time: 7/16/18 14:18

Date/Time: 07/16/18 1418

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.

Comments: RQ-2018-06-18-09 **Sample Container Lot #:** L18005

Contact name: Dana Morton 595-1865 , Cheryl Bunch Phone: 595-0571

Sampler's name: Ann RC

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

³ Recorded using IRT-2

Date of Request: 28-MAR-2018
 Created By: BUNCH_CA On: 28-MAR-2018
 Modified By: SWANSON_C On: 30-MAY-2018
 Customer: NW-DIST
 Project: BMAP
 Division: Division of Environmental Assessment and Restoration
 District: Northwest District
 Sampling Event: Bayou Chico BMAP

Send Coolers To:

Phone: 850-595-8300
 160 Government Center
 Suite 308
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch

Send Final Report To:

160 Government Center
 Suite 308
 Pensacola, FL 32502-5794
 Attn: Cheryl Bunch

Program Module Number:

Priority: 3

Event Status: S

Criminal Investigation: NO

Chemistry Request Reviewed By: WATTS_J On: 30-MAY-2018

Biology Request Reviewed By: SWANSON_C On: 30-MAY-2018

Sampling Kit Required: YES Ship on: 08-JUN-2018

Sampling Kit Shipped: YES On: 06-JUN-2018

Sampling Kit Packed By: REYNOLDS_T

Preservatives Needed: NO

Date to Receive Samples: 16-JUL-2018

Received By:

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments:

Bottle Group A (Water) With 4 Samples:

Bottle Type: BP-1L	Number of Bottles: 4	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: 4	Preserved With: ICE
NW-UWF-ENQ	Template: DEFAULT	(Enterolert/QT) Enterococci by Enterolert Quanti-Tray method by UWF Laboratory in Pensacola
Bottle Type: P-250ML	Number of Bottles: 4	Preserved With: ICE
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Bottle Type: P-500ML	Number of Bottles: 4	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

Bottle Group B (Water) With 2 Samples:

Bottle Type: BP-1L	Number of Bottles: 2	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: 2	Preserved With: ICE
NW-UWF-ECQ	Template: DEFAULT	(SM 9223 B Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Laboratory in Pensacola
Bottle Type: P-250ML	Number of Bottles: 2	Preserved With: ICE
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
Bottle Type: P-500ML	Number of Bottles: 2	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

Bottle Group C (Water) With 1 Samples:

Bottle Type: P-250ML	Number of Bottles: 1	Preserved With: ICE
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices

Bottle Group C (Water) With 1 Samples:

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
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

Do Not Lift Using Tag

ORIGIN ID: TLHA. (850) 695-8300
CHERYL BUNCH
FL DEP NORTHWEST DISTRICT
160 W GOVERNMENT CENTER
STE 308
PENSACOLA, FL 325025740
UNITED STATES US

SHIP DATE: 07MAY18
ACTWGT: 15.00 LB MAN
CAD: 0446970/CAFE3111

TO JOHN WATTS
FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD

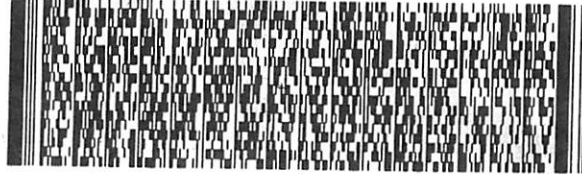
TALLAHASSEE FL 32399

(850) 245-8077

REF:

DEPT:

RMA: ||| ||| |||



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Express



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TRK#
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4385 5029 1985

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FL-US
TLH



FID 974582 16JUL18 PNSA 546C2/8532/0C8A

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07.17

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USIN

SVCS: PRIORITY OVERNIGHT

ORIGIN ID: TLHA (850) 695-8300
CHERYL BUNCH
FL DEP NORTHWEST DISTRICT
160 W GOVERNMENT CENTER
STE 308
PENSACOLA, FL 325025740
UNITED STATES US

SHIP DATE: 23MAY18
ACTWGT: 15.00 LB MAN
CAD: 0446970/CAFE3111

JOHN WATTS
FLORIDA DEP/CHEMISTRY SECTION
2600 BLAIRSTONE RD

TALLAHASSEE FL 32399

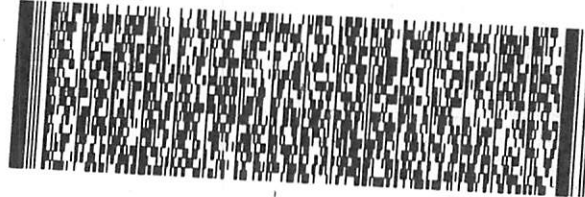
(850) 245-8077

INU:
PO:

REF:

DEPT:

RMA: ||| ||| |||



FedEx
Express



JT71016102001

FedEx

TRK#
0221 4385 5029 7490

TUE - 17 JUL 10:30A
PRIORITY OVERNIGHT

XH TLHA

32399
FL-US
TLH



FTD 974582 16JUL18 PNSA 546C2/0532/0C0A

RT 856

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