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Date of Request: 14-NOV-2019
 Created By: BUNCH_CA On: 14-NOV-2019
 Modified By: BUNCH_CA On: 14-NOV-2019
 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: P

Criminal Investigation: NO

Chemistry Request Reviewed By:

Biology Request Reviewed By:

Sampling Kit Required: YES Ship on: 25-NOV-2019

Sampling Kit Shipped:

Sampling Kit Packed By:

Preservatives Needed: NO

Date to Receive Samples: 13-JAN-2020

Received By:

Report Type: Final Only

FTP Data: NO

QC Report: YES

Date Log: NO

Authorization Log: NO

Comments:

Bottle Group A (Water) With 3 Samples:

Bottle Type:	Number of Bottles:	Preserved With:
CHLSUITE-W Template: DEFAULT	(SM 10200 H (mod.))	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Chlorophyll-a, Corrected		
Chlorophyll-a, Uncorrected		
Phaeophytin-a		
NW-UWF-ENQ Template: DEFAULT	(Enterolert/QT)	Enterococci by Enterolert/QT by UWF in Pensacola
Enterococci-Quanti-Tray		
TURBIDITY Template: DEFAULT	(EPA 180.1 Rev. 2.0)	Turbidity in aqueous matrices
Turbidity		
W-NH3 Template: DEFAULT	(EPA 350.1 Rev. 2.0)	Ammonia in aqueous matrices as mg N/L
Ammonia-N		
W-NO2NO3 Template: DEFAULT	(EPA 353.2 Rev. 2.0)	Nitrite/Nitrate in aqueous matrices as mg N/L
NO2NO3-N		
W-S-A-TP Template: DEFAULT	(EPA 365.1 Rev. 2.0)	Total Phosphorus in aqueous matrices as mg P/L
Total-P		
W-TKN Template: DEFAULT	(EPA 351.2 Rev. 2.0)	Total Kjeldahl Nitrogen in aqueous matrices
Kjeldahl Nitrogen		

Bottle Group B (Water) With 3 Samples:

Bottle Type:	Number of Bottles:	Preserved With:
CHLSUITE-W Template: DEFAULT	(SM 10200 H (mod.))	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
Chlorophyll-a, Corrected		
Chlorophyll-a, Uncorrected		
Phaeophytin-a		
NW-UWF-ECQ Template: DEFAULT	(SM 9223 B Quanti-Tray)	E. coli by Colilert-18/QT by UWF in Pensacola
Escherichia Coli-Quanti-Tray		
TURBIDITY Template: DEFAULT	(EPA 180.1 Rev. 2.0)	Turbidity in aqueous matrices
Turbidity		

Bottle Group B (Water) With 3 Samples:

Bottle Type:	Number of Bottles:	Preserved With:
W-NH3 Ammonia-N	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3 NO2NO3-N	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP Total-P	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN Kjeldahl Nitrogen	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices

Bottle Group C (Water) With 1 Samples:

Bottle Type:	Number of Bottles:	Preserved With:
CHLSUITE-W Chlorophyll-a, Corrected Chlorophyll-a, Uncorrected Phaeophytin-a	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry
TURBIDITY Turbidity	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-NH3 Ammonia-N	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3 NO2NO3-N	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP Total-P	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN Kjeldahl Nitrogen	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices

Department of Environmental Protection
Water Quality Report Form

Agency 21FLPNS		Station 33020J10		Water Collection Depth: ☒ 0.15 m ☐ Other:		Collection Container Triple Rinsed ☒	
		Date 1.13.2020		Time of Grab Sample 9:50		☐ 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	
Preserved Nutrients		☒ TKN ☒ TP ☒ NO2NO3 ☒ NH3 ☒ TOC ☐ Other:		☒ Ice ☒ H2SO4 2ml			
Metals		☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr		☐ HNO3 1ml			
Filtered Nutrients		☐ PO4 ☐ Field Filtered .45 um filter		☐ Ice			
All Other Samples unless otherwise noted		☒ Other: chl-a		☒ Ice			
Biological Sample Collected:		Macroinvertebrates ☐		Phytoplankton ☐		Periphyton ☐ AGP ☐	

Meter ID Num: SMARTROLL		Equipmt Used: Sample Container ☐ Pole ☒ Syringe ☐ Van Dorn ☐ Other ☐		Equipmt ID Num: ☐ Field Cleaned	
Remarks:				LOCATION Pensacola Bay at Sanders Beach Lat: N Long: W	
Parameter	Unit	Code	Field Value	Parameter	Unit
Field Identity	Number	29	A	Conductivity Lab	UMHO
Temp. Water	°C	10	18.61	pH Lab	Std. Unit
Temp. Air	°C	20		Turbidity, HACH	NTU
Precipitation (24hr)	Inches	45	Y	Color	PT-CO
Cloud Cover	Percent	32	100	BOD, 5 Day	mg/L
Wind Velocity	MPH	35		NFLT Residue	mg/L
Wind Dir. From	Degrees	36		N-NH3, Total	mg/L
Tide Stage	Code	67	low slack	Un-Ionized NH3	mg/L
Water Depth, Max	Meters	82903	0.57	N-TKN	mg/L
Secchi	Meters	78	VOB	N-NO2 +NO3	mg/L
Meter Sample Depth	Meters	98	0.15	Phos-Total	mg/L
Conductivity Field	UMHO	94	15554.4	Enterococcus	#/100mL
Salinity	PPTH	480	9.2	Total Coliform	#/100mL
DO Probe	mg/L	299	8.83	Fecal Coliform	#/100mL
DO % Saturation	Percent	301	98.6	Chlorophyll A	UG/L
pH Field	Std. Unit	400	7.65	Chlorophyll A	Corrected
Sample Taken By: RC + TM				Report Verified By:	
Report Prepared By: RC + TM				() CHANGE	

Department of Environmental Protection

Water Quality Report Form

Agency 21FLPNS		Station 33020JD4		Water Collection Depth: ☒ 0.15m ☐ Other:		Date 1.13.2020		Collection Container Triple Rinsed ☐		Time of Grab Sample 10:15		☐ 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						☒ <2 pH			
		☐ Other:				☒ H2SO4 2ml									
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:		☒ Ice									
Biological Sample Collected:				Macroinvertebrates ☐				Phytoplankton ☐				Periphyton ☐			
				AGP ☐											

Meter ID Num: SMARTROLL				Equipmt Used: Sample Container ☒ Pole ☐ Syringe ☐ Van Dorn ☐ Other ☐				Equipmt ID Num: ☐ Field Cleaned			
Remarks:				LOCATION SW Arm Bayou Chico N of Mandalay Drive 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	19.11	pH Lab	Std. Unit	403					
Temp. Air	°C	20	/	Turbidity, HACH	NTU	76					
Precipitation (24hr)	Inches	45	Y	Color	PT-CO	80					
Cloud Cover	Percent	32	100	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	low slack	Un-Ionized NH3	mg/L	619					
Water Depth, Max	Meters	82903	0.51	N-TKN	mg/L	625					
Secchi	Meters	78	VOB	N-NO2 +NO3	mg/L	630					
Meter Sample Depth	Meters	98	0.2 0.15	Phos-Total	mg/L	665					
Conductivity Field	UMHO	94	20081.1	Enterococcus	#/100mL	31649					
Salinity	PPTH	480	12.1	Total Coliform	#/100mL	31501					
DO Probe	mg/L	299	7.70	Fecal Coliform	#/100mL	31616					
DO % Saturation	Percent	301	88.3	Chlorophyll A	UG/L	32210					
pH Field	Std. Unit	400	7.24	Chlorophyll A	Corrected	32211					
Sample Taken By: RC+TM				Report Verified By:							
Report Prepared By: RC+TM				() CHANGE							

Department of Environmental Protection
Water Quality Report Form

Agency 21FLPNS		Station 33020221		Water Collection Depth: ☒ 0.20m ☐ Other:		Collection Container Triple Rinsed ☐	
		Date 1.13.2020		Time of Grab Sample 11:25		☐ 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	
Preserved Nutrients		☒ TKN ☒ TP ☒ NO2NO3 ☒ NH3 ☒ TOC		Ice			
Metals		☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr		H2SO4 2ml			
Filtered Nutrients		☐ PO4 ☐ Field Filtered .45 um filter		HNO3 1ml			
All Other Samples unless otherwise noted		☒ Other:		Ice			
Biological Sample Collected:		Macroinvertebrates ☐		Phytoplankton ☐		Periphyton ☐ AGP ☐	

Meter ID Num: SMARTROLL		Equipmt Used: Sample Container ☒ Pole ☐ Syringe ☐ Van Dorn ☐ Other ☐		Equipmt ID Num: ☐ Field Cleaned	
Remarks:				LOCATION Jackson Creek at Old Corry Road Lat: N Long: W	
Parameter	Unit	Code	Field Value	Parameter	Unit
Field Identity	Number	29	D	Conductivity Lab	UMHO
Temp. Water	°C	10	21.26	pH Lab	Std. Unit
Temp. Air	°C	20		Turbidity, HACH	NTU
Precipitation (24hr)	Inches	45	Y	Color	PT-CO
Cloud Cover	Percent	32	100	BOD, 5 Day	mg/L
Wind Velocity	MPH	35		NFLT Residue	mg/L
Wind Dir. From	Degrees	36		N-NH3, Total	mg/L
Tide Stage	Code	67		Un-Ionized NH3	mg/L
Water Depth, Max	Meters	82903	0.28	N-TKN	mg/L
Secchi	Meters	78	VOB	N-NO2 +NO3	mg/L
Meter Sample Depth	Meters	98	0.20	Phos-Total	mg/L
Conductivity Field	UMHO	94	111.6	Enterococcus	#/100mL
Salinity	PPTH	480	0.1	Total Coliform	#/100mL
DO Probe	mg/L	299	7.11	Fecal Coliform	#/100mL
DO % Saturation	Percent	301	79.3	Chlorophyll A	UG/L
pH Field	Std. Unit	400	6.74	Chlorophyll A	Corrected
Sample Taken By: RC+TM				Report Verified By:	
Report Prepared By: RC+TM				() CHANGE	

Department of Environmental Protection

Water Quality Report Form

Agency 21FLPNS		Station 33020222		Water Collection Depth: ☒ 0.15 m ☐ Other:		Collection Container Triple Rinsed ☒	
		Date 1.13.2020		Time of Grab Sample 11:45		☐ 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	
Preserved Nutrients		☒ TKN ☒ TP ☒ NO ₂ NO ₃ ☒ NH ₃ ☒ DOC ☐ Other:		☒ Ice ☒ H ₂ SO ₄ 2ml		☒ <2 pH	
Metals		☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr		☐ HNO ₃ 1ml		☐ <2 pH	
Filtered Nutrients		☐ PO ₄ ☐ Field Filtered .45 um filter		☐ Ice			
All Other Samples unless otherwise noted		☒ Other:		☒ Ice			
Biological Sample Collected: Macroinvertebrates ☐ Phytoplankton ☐ Periphyton ☐ AGP ☐							

Meter ID Num: SMARTROLL		Equipmt Used: Sample Container ☐ Pole ☒ Syringe ☐ Van Dorn ☐ Other ☐		Equipmt ID Num: ☐ Field Cleaned	
Remarks:				LOCATION Jackson Creek at New Warrington Road Lat: N Long: W	
Parameter	Unit	Code	Field Value	Parameter	Unit
Field Identity	Number	29	E	Conductivity Lab	UMHO
Temp. Water	°C	10	21.84	pH Lab	Std. Unit
Temp. Air	°C	20	/	Turbidity, HACH	NTU
Precipitation (24hr)	Inches	45	Y	Color	PT-CO
Cloud Cover	Percent	32	100	BOD, 5 Day	mg/L
Wind Velocity	MPH	35	/	NFLT Residue	mg/L
Wind Dir. From	Degrees	36	/	N-NH ₃ , Total	mg/L
Tide Stage	Code	67	/	Un-Ionized NH ₃	mg/L
Water Depth, Max	Meters	82903	0.41	N-TKN	mg/L
Secchi	Meters	78	VOB	N-NO ₂ + NO ₃	mg/L
Meter Sample Depth	Meters	98	0.15	Phos-Total	mg/L
Conductivity Field	UMHO	94	104.3	Enterococcus	#/100mL
Salinity	PPTH	480	0.0	Total Coliform	#/100mL
DO Probe	mg/L	299	6.88	Fecal Coliform	#/100mL
DO % Saturation	Percent	301	77.6	Chlorophyll A	UG/L
pH Field	Std. Unit	400	6.74	Chlorophyll A	Corrected
Sample Taken By: BC+TM				Report Verified By:	
Report Prepared By: BC+TM				() CHANGE	

Water Quality Report Form

Agency 21FLESC		Station 33020117		Water Collection Depth: ☒ 0.20m ☐ Other:		Collection Container Triple Rinsed ☒	
Date 1.13.2020		Time of Grab Sample 12:05		CST			
(check as appropriate)		Soils/Sediment		Tissue		Collection Mode	
Surface Water ☒	Equip Blank ☐	Terrestrial ☐	Fish ☐	by Foot ☐	☐ by Boat		
Ground Water ☐	Field Blank ☐	FW Sed ☐	Shellfish ☐	Wading ☐	☐ Canoe		
Waste Water ☐	Trip Blank ☐	Marine Sed ☐	Other ☐	On Shore ☒	☐ Gas Motor		
Other:	Duplicate ☐	Sludge ☐					
Parameter Suite	Parameter(s)	Preservation	Acid Lot	Expiration	Check pH		
Preserved Nutrients	☒ TKN ☒ TP ☒ NO2NO3 ☒ NH3 ☒ TOC ☐ Other:	☒ Ice ☒ H2SO4 2ml			☒ <2 pH		
Metals		☐ HNO3 1ml			☐ <2 pH		
Bacterial	☐ Enterococcus ☒ E.coli	☐ Ice					
Filtered Nutrients	☐ PO4 ☐ Field Filtered .45 um filter	☐ Ice					
All Other Samples unless otherwise noted <u>TSS</u>		☒ Ice					
Biological Sample Collected:		Macroinvertebrates ☐	Phytoplankton ☐	Periphyton ☐	AGP ☐		

Meter ID Num: <u>SMARTROLL</u>		Equipmt Used: Sample Container ☐ Pole ☒ Syringe ☐ Van Dorn ☐ Other ☐		Equipmt ID Num: ☐ Field Cleaned			
Remarks:				LOCATION Jones Creek @ New Warrington Rd. Lat: N Long: W			
Parameter	Unit	Code	Field Depth 1	Field Depth 2	Field Depth 3	Qualifier	Notes
Meter Sample Depth	Meters	98	0.20				
Temp. Water	°C	10	21.84				
Conductivity Field	UMHO	94	104.3				
Salinity	PPTH	480	0.0				
DO Probe	mg/L	299	6.88				
DO % Saturation	Percent	301	77.6				
pH Field	Std. Unit	400	6.74				
ORP	mV	90					
Turbidity, HACH	NTU	76					
Temp. Air	°C	20					
Secchi	Meters	78	VOB				
Water Depth, Max	Meters	82903	0.31				
Tide Stage	Code	67					
Precipitation (24hr)	Inches	45	Y				
Tree Canopy	Percent	83515	75				
Cloud Cover	Percent	32	100				
Sample Taken By: <u>RC+TM</u>				Report Verified By:			
Report Prepared By: <u>RC+TM</u>				() CHANGE			

Department of Environmental Protection

Water Quality Report Form

Agency 21FLPNS		Station 3302JE20		Water Collection Depth: ☒ 0.20m ☐ Other:		Collection Container Triple Rinsed ☒	
		Date 1.13.2020		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 NO2 NO3 NH3 TOC ☐ Other:	☒ Ice ☒ H2SO4 2ml			☒ <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:	☒ Ice				
Biological Sample Collected:		Macroinvertebrates ☐	Phytoplankton ☐	Periphyton ☐	AGP ☐		

Meter ID Num: SMARTROLL		Equipmt Used: Sample Container ☐ Pole ☒ Syringe ☐ Van Dorn ☐ Other ☐		Equipmt ID Num: ☐ Field ☐ 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	20.47	pH Lab	Std. Unit	403	
Temp. Air	°C	20		Turbidity, HACH	NTU	76	
Precipitation (24hr)	Inches	45	Y	Color	PT-CO	80	
Cloud Cover	Percent	32	100	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	flood	Un-Ionized NH3	mg/L	619	
Water Depth, Max	Meters	82903	0.40	N-TKN	mg/L	625	
Secchi	Meters	78	VOB	N-NO2 +NO3	mg/L	630	
Meter Sample Depth	Meters	98	0.20	Phos-Total	mg/L	665	
Conductivity Field	UMHO	94	15802.4	Enterococcus	#/100mL	31649	
Salinity	PPTH	480	9.3	Total Coliform	#/100mL	31501	
DO Probe	mg/L	299	8.39	Fecal Coliform	#/100mL	31616	
DO % Saturation	Percent	301	97.4	Chlorophyll A	UG/L	32210	
pH Field	Std. Unit	400	6.79	Chlorophyll A	Corrected	32211	
Sample Taken By: RC+TM				Report Verified By:			
Report Prepared By: RC+TM				() CHANGE Date Submitted			

Department of Environmental Protection

Water Quality Report Form

Agency 21FLPNS		Station 33020JF1		Water Collection Depth: ☒ 0.15m ☐ Other:		Collection Container Triple Rinsed ☒	
		Date 1.13.2020		Time of Grab Sample 13:15		☐ CST ☐ EST	
Water (check as appropriate)		Soils/Sediment		Tissue		Collection Mode	
Surface Water ☒		Equip Blank ☐		Fish ☐		by Foot ☐ ☐ by Boat	
Ground Water ☐		Field Blank ☐		Shellfish ☐		Wading ☐ ☐ Canoe	
Waste Water ☐		Trip Blank ☐		Other ☐		On Shore ☒ ☐ Gas Motor	
Other:		Duplicate ☐		Sludge ☐			
Parameter Suite		Parameter(s)/Method		Preservation		Acid Lot/Exp	
Preserved Nutrients		☒ TKN ☒ TP ☒ NO ₂ NO ₃ ☒ NH ₃ ☒ TOC		☒ Ice			
		☐ Other:		☒ H ₂ SO ₄ 2ml			
Metals		☐ W-ICP ☐ W-FIAS ☐ W-ICPMS ☐ W-ICP-Tr		☐ HNO ₃ 1ml			
Filtered Nutrients		☐ PO ₄ ☐ Field Filtered .45 um filter		☐ Ice			
All Other Samples unless otherwise noted		☒ Other:		☒ Ice			
Biological Sample Collected:		Macroinvertebrates ☐		Phytoplankton ☐		Periphyton ☐ AGP ☐	

Meter ID Num: SMARTROLL		Equipmt Used: Sample Container ☐ Pole ☒		Equipmt ID Num: ☐ Field ☐ Cleaned	
Remarks:				LOCATION Bayou Chico at W Street	
				Lat: N Long: W	
Parameter	Unit	Code	Field Value	Parameter	Unit
Field Identity	Number	29	G	Conductivity Lab	UMHO
Temp. Water	°C	10	21.46	pH Lab	Std. Unit
Temp. Air	°C	20		Turbidity, HACH	NTU
Precipitation (24hr)	Inches	45	Y	Color	PT-CO
Cloud Cover	Percent	32	100	BOD, 5 Day	mg/L
Wind Velocity	MPH	35		NFLT Residue	mg/L
Wind Dir. From	Degrees	36		N-NH ₃ , Total	mg/L
Tide Stage	Code	67	Flood	Un-Ionized NH ₃	mg/L
Water Depth, Max	Meters	82903	0.93	N-TKN	mg/L
Secchi	Meters	78	0.7	N-NO ₂ +NO ₃	mg/L
Meter Sample Depth	Meters	98	0.15	Phos-Total	mg/L
Conductivity Field	UMHO	94	3894.2	Enterococcus	#/100mL
Salinity	PPTH	480	2.1	Total Coliform	#/100mL
DO Probe	mg/L	299	4.38	Fecal Coliform	#/100mL
DO % Saturation	Percent	301	49.7	Chlorophyll A	UG/L
pH Field	Std. Unit	400	6.52	Chlorophyll A	Corrected
Sample Taken By: RC+TM				Report Verified By:	
Report Prepared By: RC+TM				() CHANGE	

Bayou Chico BMAP

Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: NW-DIST

Requester: Cheryl Bunch

Field Report Prepared By: RLT/TM

Project ID: BMAP

Collected By: RLT/TM

Sampling Agency: Eschbach M

Location	WIN ID/Field ID		33020J10	☐ Comp	☒ Grab	Collection (comp begin or grab)	Date	1-13-20	Time	9:50	Eastern	Composite end	Time	Bottle Group(s)
Field ID						Matrix (type, e.g., Salt, Fresh, etc)					Central	Date		(See pg 2)
WIN/S	Location					Temp (C)	18.61							
Latitude	Pensacola Bay at Sanders Beach-Bottle Group C					Salinity (ppt)	9.2							
Location						Temp (C)	19.11							
Field ID						Matrix (type, e.g., Salt, Fresh, etc)								
WIN/S	Location					Temp (C)	21.26							
Latitude	Bayou Chico at Mandalay Drive-Bottle Group A					Salinity (ppt)	12.1							
Location						Temp (C)	21.26							
Field ID						Matrix (type, e.g., Salt, Fresh, etc)								
WIN/S	Location					Temp (C)	21.26							
Latitude	Jackson Creek @ Old Corry Road-Bottle Group B					Salinity (ppt)	0.1							
Location						Temp (C)	21.26							
Field ID						Matrix (type, e.g., Salt, Fresh, etc)								
WIN/S	Location					Temp (C)	21.26							
Latitude	Jackson Creek at New Warrington Road-Group B					Salinity (ppt)	0.0							

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

H. Schmitt

11/13/20 1630

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Request Number: RA-2019-12-09-39

Florida Department of Environmental Protection

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last revised Jan 25, 2018

Bayou Chico BMAP

Central Laboratory Submittal Form

Customer: NW-DIST

Requester: Cheryl Bunch

Field Report Prepared By: RC+TIN

Project ID: BMAP

Collected By: RC+TIN

Sampling Agency: Esc WCLM

Location	WIN ID/Field ID		33020JF17	☐ Comp	Collection (comp begin or grab)	Date	1-13-20	Time	1205	Eastern	Composite end	Date		Time	Bottle Group(s)	
Field ID				☒ Grab						Central					(See pg 2)	
WIN/STC	Location				Matrix (type, e.g., Salt, Fresh, etc)		Fresh		Diss. Oxygen						B	
Latitude	Jones Creek Upstream of New Warrington Rd-Bottle Group B	☐ dd	21.84	☐ Salinity (ppt)	0.0				pH	6.74	Sample Depth	0.20	☐ ft	☒ m	Sp. Conductance (umho/cm)	104.3
Location				☐ Comp	Collection (comp begin or grab)	Date	1-13-20	Time	1255	Eastern	Composite end	Date		Time	Bottle Group(s)	
Field ID	WIN ID/Field ID		3302JE20	☒ Grab						Central					A	
WIN/ST	Location				Matrix (type, e.g., Salt, Fresh, etc)		5/1		Diss. Oxygen							
Latitude	Bayou Chico at Navy Blvd. Bridge-Bottle Group A	☐ dd	20.47	☐ Salinity (ppt)	9.3				pH	6.79	Sample Depth	0.20	☐ ft	☒ m	Sp. Conductance (umho/cm)	15802.4
Location				☐ Comp	Collection (comp begin or grab)	Date	1-13-20	Time	1315	Eastern	Composite end	Date		Time	Bottle Group(s)	
Field ID	WIN ID/Field ID		33020JF1	☒ Grab						Central					A	
WIN/STC	Location				Matrix (type, e.g., Salt, Fresh, etc)		5/1		Diss. Oxygen							
Latitude	Bayou Chico at W St. Bridge-Bottle Group A	☐ dd	21.46	☐ Salinity (ppt)	21				pH	6.52	Sample Depth	0.15	☐ ft	☒ m	Sp. Conductance (umho/cm)	3894.2
Location				☐ Comp	Collection (comp begin or grab)	Date		Time		Eastern	Composite end	Date		Time	Bottle Group(s)	
Field ID				☐ Grab						Central						
WIN/STORET #					Matrix (type, e.g., Salt, Fresh, etc)				Diss. Oxygen							
Latitude		☐ dd		☐ Salinity (ppt)					pH		Sample Depth		☐ ft	☐ m	Sp. Conductance (umho/cm)	

Relinquished By:

Date/Time

Shipping Method

Number of Coolers Shipped:

Received By:

Date/Time

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Meter Calibration/Verification Logsheet
(FDEP SOP FT 1000-FT 1600, FD 1000-FD 4000)



Meter ID: Smart II
Project: BMAP

Method/Parameter	Analyst	MMDDYY	24 HH:MM	Acceptance Criteria					
DEP SOP FT 1400 Temperature	Initials	Date	Time	Previous CV	Bath Type	NIST Thermometer		Meter	± 0.5 °C
CAL ICV CCV CCV MAINT						S/N	Temp °C	Temp °C	Pass Fail
DEP SOP FT 1600 Turbidity	Initials	Date	Time	1° or 2° Standard	Previous CV	Standard		Meter	± 5%
CAL ICV CCV CCV MAINT						NTU	ID	NTU	Pass Fail
DEP SOP FT 1500 Dissolved Oxygen	Initials	Date	Time	Changed membrane?	Saturation mg/L	DO mg/L		Meter % DO	± 0.3 mg/l
CAL ICV CCV CCV MAINT								Temp °C	Pass Fail
DEP SOP FT 1200 Specific Conductance	Initials	Date	Time	Standard		ID	Temp °C	Meter μmhos/cm	± 5%
CAL ICV CCV CCV MAINT									Pass Fail
DEP SOP FT 1100 pH	Initials	Date	Time	Standard		ID	pH mV	Meter SU	± 0.2 SU
CAL ICV CCV CCV MAINT									Pass Fail
DEP SOP FT 1000 ORP	Initials	Date	Time	Standard		ID	Temp °C	Meter mV	± 20 mV
CAL ICV CCV CCV MAINT									Pass Fail

Notes: