

Date of Request: 06-FEB-2018  
 Created By: BUNCH\_CA On: 06-FEB-2018  
 Modified By: WATTS\_J On: 15-MAR-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: A  
 Criminal Investigation: NO  
 Chemistry Request Reviewed By: WATTS\_J On: 15-MAR-2018  
 Biology Request Reviewed By: WATTS\_J On: 15-MAR-2018  
 Sampling Kit Required: NO Ship on:  
 Sampling Kit Shipped: YES On: 28-FEB-2018  
 Sampling Kit Packed By: SHAIK\_A  
 Preservatives Needed: NO  
 Date to Receive Samples: 16-APR-2018  
 Received By:

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

Comments: NEED BY MARCH 2

3 - cases of sulfuric acid

**Bottle Group A (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  
 Chlorophyll-a, Corrected  
 Chlorophyll-a, Uncorrected  
 Phaeophytin-a

Bottle Type: TEST HAS NO Number of Bottles: 2 Preserved With: ICE  
 NW-UWF-ENQ Template: DEFAULT (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method by UWF Overflow Laboratory for NWD  
 Enterococci-Quanti-Tray

Bottle Type: QPCR-P-250ML Number of Bottles: 4 Preserved With: ICE  
 PCR-FILTER Template: DEFAULT (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis  
 \*HF183 - Human Source Marker  
 PCR-HF183 Template: DEFAULT (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction  
 \*HF183-qPCR

Bottle Type: P-250ML Number of Bottles: 2 Preserved With: ICE  
 TURBIDITY Template: DEFAULT (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices  
 Turbidity

Bottle Type: BG-500ML Number of Bottles: 2 Preserved With: ICE  
 W-E8321-DI Template: SUCRALOSE (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS  
 \*Sucralose  
 W-E8321-MS Template: (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS  
 \*Acetaminophen  
 \*Carbamazepine  
 \*Fluridone  
 \*Imazapyr  
 \*Primidone

**Bottle Group A (Water) With 2 Samples:**

|                       |                      |                                                                                         |
|-----------------------|----------------------|-----------------------------------------------------------------------------------------|
| Bottle Type: BG-500ML | Number of Bottles: 2 | Preserved With: ICE                                                                     |
| W-E8321-MS            | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS |
| 2,4-D                 |                      |                                                                                         |
| Bentazon              |                      |                                                                                         |
| Diuron                |                      |                                                                                         |
| Fenuron               |                      |                                                                                         |
| Imidacloprid          |                      |                                                                                         |
| MCPP                  |                      |                                                                                         |
| 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                              |
| 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 2 Samples:**

|                              |                      |                                                                                                                                           |
|------------------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Bottle Type: P-250ML         | Number of Bottles: 2 | Preserved With: ICE                                                                                                                       |
| TURBIDITY                    | Template: DEFAULT    | (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices                                                                                        |
| Turbidity                    |                      |                                                                                                                                           |
| Bottle Type: BG-500ML        | Number of Bottles: 2 | Preserved With: ICE                                                                                                                       |
| W-E8321-DI                   | Template: SUCRALOSE  | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                   |
| *Sucralose                   |                      |                                                                                                                                           |
| W-E8321-MS                   | Template:            | (EPA 8321B) Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS                                                   |
| *Acetaminophen               |                      |                                                                                                                                           |
| *Carbamazepine               |                      |                                                                                                                                           |
| *Fluridone                   |                      |                                                                                                                                           |
| *Imazapyr                    |                      |                                                                                                                                           |
| *Primidone                   |                      |                                                                                                                                           |
| 2,4-D                        |                      |                                                                                                                                           |
| Bentazon                     |                      |                                                                                                                                           |
| Diuron                       |                      |                                                                                                                                           |
| Fenuron                      |                      |                                                                                                                                           |
| Imidacloprid                 |                      |                                                                                                                                           |
| MCPP                         |                      |                                                                                                                                           |
| 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                                                                                |
| Ammonia-N                    |                      |                                                                                                                                           |
| W-NO2NO3                     | Template: DEFAULT    | (EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L                                                                        |
| NO2NO3-N                     |                      |                                                                                                                                           |
| W-TKN                        | Template: DEFAULT    | (EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices                                                                          |
| Kjeldahl Nitrogen            |                      |                                                                                                                                           |
| Bottle Type: BG-1L           | Number of Bottles: 2 | Preserved With: ICE                                                                                                                       |
| W-SUC-AA-R                   | Template: DEFAULT    | (EPA 8321B) Analysis of sucralose in water matrices by HPLC/MS/MS                                                                         |
| *Sucralose                   |                      |                                                                                                                                           |
| 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                              |
| Chlorophyll-a, Corrected     |                      |                                                                                                                                           |
| Chlorophyll-a, Uncorrected   |                      |                                                                                                                                           |
| Phaeophytin-a                |                      |                                                                                                                                           |
| Bottle Type: TEST HAS NO     | Number of Bottles: 2 | Preserved With: ICE                                                                                                                       |
| NW-UWF-ECQ                   | Template: DEFAULT    | (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Overflow Laboratory for NWD                               |
| Escherichia Coli-Quanti-Tray |                      |                                                                                                                                           |
| Bottle Type: QPCR-P-250ML    | Number of Bottles: 4 | Preserved With: ICE                                                                                                                       |
| PCR-FILTER                   | Template: DEFAULT    | (SOP-PCR-4.0) Preparation of Samples by Filtration and held for qPCR Analysis                                                             |
| *HF183 - Human Source Marker |                      |                                                                                                                                           |
| PCR-HF183                    | Template: DEFAULT    | (SOP-PCR-1.0) Detection and quantification of human-specific HF183 Bacteroides genetic marker with quantitative polymerase chain reaction |

**Bottle Group B (Water) With 2 Samples:**

Bottle Type: QPCR-P-250ML Number of Bottles: 4 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

\*HF183-qPCR

**Bottle Group C (Water) With 1 Samples:**

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

Chlorophyll-a, Corrected  
 Chlorophyll-a, Uncorrected  
 Phaeophytin-a

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

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  
 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 D (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

Chlorophyll-a, Corrected  
 Chlorophyll-a, Uncorrected  
 Phaeophytin-a

Bottle Type: TEST HAS NO Number of Bottles: 2 Preserved With: ICE  
 NW-UWF-ENQ Template: DEFAULT (Enterolert/QT) Enterococci by Enterolert Quanti-Tray method by UWF Overflow Laboratory for NWD

Enterococci-Quanti-Tray

Bottle Type: P-250ML Number of Bottles: 2 Preserved With: ICE  
 TURBIDITY Template: DEFAULT (EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices  
 Turbidity

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  
 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 E (Water) With 1 Samples:**

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

Chlorophyll-a, Corrected  
 Chlorophyll-a, Uncorrected  
 Phaeophytin-a

Bottle Type: TEST HAS NO Number of Bottles: 1 Preserved With: ICE  
 NW-UWF-ECQ Template: DEFAULT (SM 9223 Quanti-Tray) Escherichia coli by Colilert 18 Quanti-Tray method by UWF Overflow Laboratory for NWD

Escherichia Coli-Quanti-Tray

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

**Bottle Group E (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          |
| 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    |                      |                                                                     |

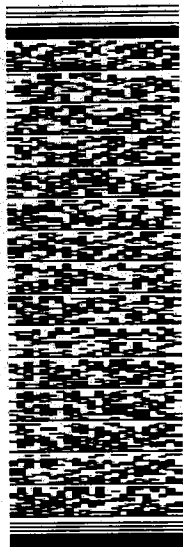
\* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

ACTWGT: 15.00 LB  
CAD: 100182098/INET3980

ORIGIN ID: PMSA  
CHERYL BUNCH  
FL DEP NORTHWEST DISTRICT  
160 W GOVERNMENT CENTER  
STE 308  
PENSACOLA, FL 32502  
UNITED STATES US

TO AMZAD SHAIK  
FL DEP  
FL DEP CHEMISTRY SECTION  
2600 BLAIR STONE RD  
TALLAHASSEE FL 32399  
REF: (850) 245-8085  
INV: PQ: RMA:

FedEx  
Express

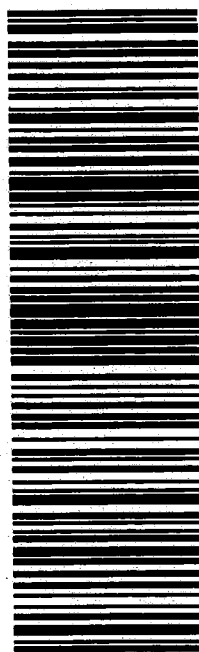


RETURNS MON-FRI  
PRIORITY OVERNIGHT

TRK# 7907 9917 2037  
0221

32399

FL-US



Part # 156297-435 RRDB EXP 01/19

Do Not Lift Using

FedEx

FedEx

93 MAF

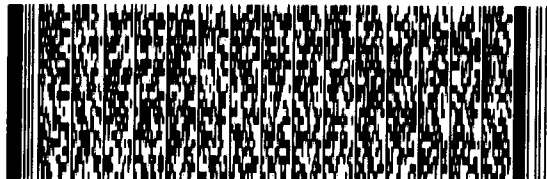
Do Not Lift Using This Tag

ORIGIN ID: PMSA (850) 695-8300  
CHERYL BUNCH  
FL DEP NORTHWEST DISTRICT  
160 W GOVERNMENT CENTER  
STE 308  
PENSACOLA, FL 32502  
UNITED STATES US

SHIP DATE: 28JAN18  
ACTWGT: 30.00 LB  
CAD: 100182098/INET3980

TO AMZAD SHAIK  
FL DEP  
FL DEP CHEMISTRY SECTION  
2600 BLAIR STONE RD  
TALLAHASSEE FL 32399  
REF: (850) 245-8085  
INV: PQ: RMA:

DEPT:



FedEx  
Express



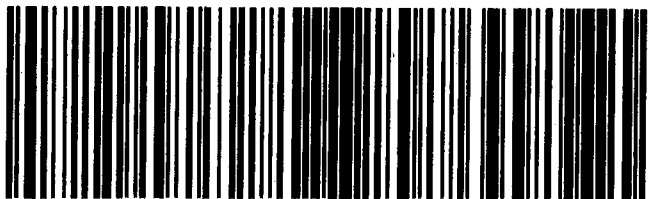
55211/1220/DCAS

RETURNS MON-FRI  
PRIORITY OVERNIGHT

TRK# 7907 7195 8650  
0221

32399

FL-US



Part # 156297-435 RRDB EXP 12/18

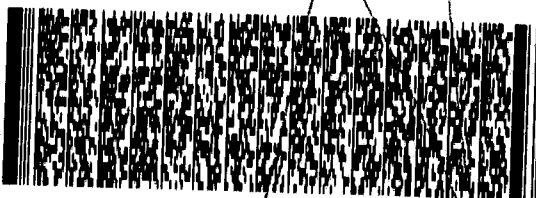
Do Not Lift Using This Tag

ORIGIN ID: PMSA (850) 695-8300  
CHERYL BUNCH  
FL DEP NORTHWEST DISTRICT  
160 W GOVERNMENT CENTER  
STE 308  
PENSACOLA, FL 32502  
UNITED STATES US

SHIP DATE: 28FEB18  
ACTWGT: 35.00 LB  
CAD: 100182098/INET3980

TO AMZAD SHAIK  
FL DEP  
FL DEP CHEMISTRY SECTION  
2600 BLAIR STONE RD  
TALLAHASSEE FL 32399  
REF: (850) 245-8085  
INV: PQ: RMA:

DEPT:



FedEx  
Express



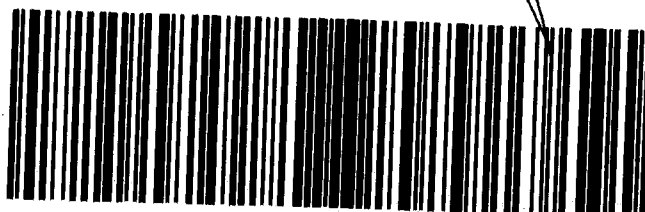
55211/07F5/DCAS

RETURNS MON-FRI  
PRIORITY OVERNIGHT

TRK# 7907 8631 7565  
0221

32399

FL-US



Part # 156297-435 RRDB EXP 12/18

Department of Environmental Protection  
**Water Quality Report Form**

|                                                                                                                                                                                         |                                                                                                                                                                                                            |                                                                      |                                    |                                                                                                    |                                                                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Agency<br>21FLPNS                                                                                                                                                                       |                                                                                                                                                                                                            | Station<br><b>33020J10</b>                                           | Date<br><b>4-16-2018</b>           | Water Collection Depth: <input checked="" type="checkbox"/> 0.15 m <input type="checkbox"/> Other: | Collection Container Triple Rinsed <input checked="" type="checkbox"/> |
| Time of Grab Sample<br><b>750</b>                                                                                                                                                       |                                                                                                                                                                                                            | <input checked="" type="checkbox"/> CST <input type="checkbox"/> EST |                                    |                                                                                                    |                                                                        |
| <b>Water</b> (check as appropriate)                                                                                                                                                     |                                                                                                                                                                                                            | <b>Soils/Sediment</b>                                                |                                    | <b>Tissue</b>                                                                                      |                                                                        |
| Surface Water <input checked="" type="checkbox"/>                                                                                                                                       | Equip Blank <input type="checkbox"/>                                                                                                                                                                       | Terrestrial <input type="checkbox"/>                                 | Fish <input type="checkbox"/>      | by Foot <input type="checkbox"/> <input type="checkbox"/> by Boat                                  |                                                                        |
| Ground Water <input type="checkbox"/>                                                                                                                                                   | Field Blank <input type="checkbox"/>                                                                                                                                                                       | Freshwater Sed <input type="checkbox"/>                              | Shellfish <input type="checkbox"/> | Wading <input type="checkbox"/> <input type="checkbox"/> Canoe                                     |                                                                        |
| Waste Water <input type="checkbox"/>                                                                                                                                                    | Trip Blank <input type="checkbox"/>                                                                                                                                                                        | Marine Sed <input type="checkbox"/>                                  | Other <input type="checkbox"/>     | On Shore <input checked="" type="checkbox"/> <input type="checkbox"/> Gas Motor                    |                                                                        |
| Other:                                                                                                                                                                                  | Duplicate <input type="checkbox"/>                                                                                                                                                                         | Sludge <input type="checkbox"/>                                      |                                    |                                                                                                    |                                                                        |
| Parameter Suite                                                                                                                                                                         | Parameter(s)/Method                                                                                                                                                                                        | Preservation                                                         | Acid Lot/Exp                       | Expiration                                                                                         | Check pH                                                               |
| Preserved Nutrients                                                                                                                                                                     | <input checked="" type="checkbox"/> TKN <input checked="" type="checkbox"/> NH <sub>3</sub> <input type="checkbox"/> NO <sub>2</sub> <input type="checkbox"/> NO <sub>3</sub> <input type="checkbox"/> TOC | Ice                                                                  | <b>SA 734</b>                      | <b>12-6-18</b>                                                                                     | <input checked="" type="checkbox"/> <2 pH                              |
| Metals                                                                                                                                                                                  | <input type="checkbox"/> W-ICP <input type="checkbox"/> W-FIAS <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP-Tr                                                                          | <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> 2ml          |                                    |                                                                                                    | <input type="checkbox"/> <2 pH                                         |
| Filtered Nutrients                                                                                                                                                                      | <input type="checkbox"/> PO <sub>4</sub> <input type="checkbox"/> Field Filtered .45 um filter                                                                                                             | <input type="checkbox"/> HNO <sub>3</sub> 1ml                        |                                    |                                                                                                    | <input type="checkbox"/> <2 pH                                         |
| All Other Samples unless otherwise noted                                                                                                                                                |                                                                                                                                                                                                            | <input type="checkbox"/> Ice                                         |                                    |                                                                                                    |                                                                        |
| <input type="checkbox"/> Other:                                                                                                                                                         |                                                                                                                                                                                                            | <input type="checkbox"/> Ice                                         |                                    |                                                                                                    |                                                                        |
| <b>Biological Sample Collected:</b> Macroinvertebrates <input type="checkbox"/> Phytoplankton <input type="checkbox"/> Periphyton <input type="checkbox"/> AGP <input type="checkbox"/> |                                                                                                                                                                                                            |                                                                      |                                    |                                                                                                    |                                                                        |

| Meter ID Num: <b>Smartroll</b>  | Equipmt Used: Sample Container <input type="checkbox"/> Pole <input checked="" type="checkbox"/> Syringe <input type="checkbox"/> Van Dorn <input type="checkbox"/> Other <input type="checkbox"/> | Equipmt ID Num:                                   | <input type="checkbox"/> Field Cleaned |                                    |           |       |             |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------|------------------------------------|-----------|-------|-------------|
| Remarks:                        |                                                                                                                                                                                                    | LOCATION<br><b>Pensacola Bay at Sanders Beach</b> |                                        |                                    |           |       |             |
|                                 |                                                                                                                                                                                                    | Lat: N Long: W                                    |                                        |                                    |           |       |             |
| Parameter                       | Unit                                                                                                                                                                                               | Code                                              | Field Value                            | Parameter                          | Unit      | Code  | Lab Request |
| Field Identity                  | Number                                                                                                                                                                                             | 29                                                | <b>A</b>                               | Conductivity Lab                   | UMHO      | 95    |             |
| Temp. Water                     | °C                                                                                                                                                                                                 | 10                                                | <b>17.2</b>                            | pH Lab                             | Std. Unit | 403   |             |
| Temp. Air                       | °C                                                                                                                                                                                                 | 20                                                |                                        | Turbidity, HACH                    | NTU       | 76    |             |
| Precipitation (24hr)            | Inches                                                                                                                                                                                             | 45                                                |                                        | Color                              | PT-CO     | 80    |             |
| Cloud Cover                     | Percent                                                                                                                                                                                            | 32                                                | <b>0</b>                               | BOD, 5 Day                         | mg/L      | 310   |             |
| Wind Velocity                   | MPH                                                                                                                                                                                                | 35                                                |                                        | NFLT Residue                       | mg/L      | 530   |             |
| Wind Dir. From                  | Degrees                                                                                                                                                                                            | 36                                                |                                        | N-NH <sub>3</sub> , Total          | mg/L      | 610   |             |
| Tide Stage                      | Code                                                                                                                                                                                               | 67                                                |                                        | Un-Ionized NH <sub>3</sub>         | mg/L      | 619   |             |
| Water Depth, Max                | Meters                                                                                                                                                                                             | 82903                                             | <b>0.7</b>                             | N-TKN                              | mg/L      | 625   |             |
| Secchi                          | Meters                                                                                                                                                                                             | 78                                                | <b>&gt;0.7</b>                         | N-NO <sub>2</sub> +NO <sub>3</sub> | mg/L      | 630   |             |
| Meter Sample Depth              | Meters                                                                                                                                                                                             | 98                                                | <b>0.2</b>                             | Phos-Total                         | mg/L      | 665   |             |
| Conductivity Field              | UMHO                                                                                                                                                                                               | 94                                                | <b>32017</b>                           | Enterococcus                       | #/100mL   | 31649 |             |
| Salinity                        | PPTH                                                                                                                                                                                               | 480                                               | <b>20.1</b>                            | Total Coliform                     | #/100mL   | 31501 |             |
| DO Probe                        | mg/L                                                                                                                                                                                               | 299                                               | <b>7.8</b>                             | Fecal Coliform                     | #/100mL   | 31616 |             |
| DO % Saturation                 | Percent                                                                                                                                                                                            | 301                                               | <b>91</b>                              | Chlorophyll A                      | UG/L      | 32210 |             |
| pH Field                        | Std. Unit                                                                                                                                                                                          | 400                                               | <b>8.0</b>                             | Chlorophyll A                      | Corrected | 32211 |             |
| Sample Taken By: <b>RL + DM</b> |                                                                                                                                                                                                    |                                                   |                                        | Report Verified By:                |           |       |             |
| Report Prepared By: <b>RC</b>   |                                                                                                                                                                                                    |                                                   |                                        | ( ) CHANGE                         |           |       |             |

Department of Environmental Protection  
Water Quality Report Form

|                                                                                        |  |                                                                                                                                                                                               |  |                                                                                                    |  |                                                                                 |  |
|----------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------|--|
| Agency<br>21FLPNS                                                                      |  | Station 33020222                                                                                                                                                                              |  | Water Collection Depth: <input checked="" type="checkbox"/> 0.15 m <input type="checkbox"/> Other: |  | Collection Container Triple Rinsed <input checked="" type="checkbox"/>          |  |
| Date<br>4-16-2018                                                                      |  | Time of Grab Sample<br>1100                                                                                                                                                                   |  | <input checked="" type="checkbox"/> CST<br><input type="checkbox"/> EST                            |  |                                                                                 |  |
| <b>Water</b> (check as appropriate)                                                    |  | <b>Soils/Sediment</b>                                                                                                                                                                         |  | <b>Tissue</b>                                                                                      |  | <b>Collection Mode</b>                                                          |  |
| Surface Water <input checked="" type="checkbox"/> Equip Blank <input type="checkbox"/> |  | Terrestrial <input type="checkbox"/>                                                                                                                                                          |  | Fish <input type="checkbox"/>                                                                      |  | by Foot <input type="checkbox"/> <input type="checkbox"/> by Boat               |  |
| Ground Water <input type="checkbox"/> Field Blank <input type="checkbox"/>             |  | Freshwater Sed <input type="checkbox"/>                                                                                                                                                       |  | Shellfish <input type="checkbox"/>                                                                 |  | Wading <input type="checkbox"/> <input type="checkbox"/> Canoe                  |  |
| Waste Water <input type="checkbox"/> Trip Blank <input type="checkbox"/>               |  | Marine Sed <input type="checkbox"/>                                                                                                                                                           |  | Other <input type="checkbox"/>                                                                     |  | On Shore <input checked="" type="checkbox"/> <input type="checkbox"/> Gas Motor |  |
| Other: Duplicate <input type="checkbox"/>                                              |  | Sludge <input type="checkbox"/>                                                                                                                                                               |  |                                                                                                    |  |                                                                                 |  |
| <b>Parameter Suite</b>                                                                 |  | <b>Parameter(s)/Method</b>                                                                                                                                                                    |  | <b>Preservation</b>                                                                                |  | <b>Acid Lot/Exp</b>                                                             |  |
| Preserved Nutrients                                                                    |  | <input checked="" type="checkbox"/> TKN <input checked="" type="checkbox"/> P <input checked="" type="checkbox"/> NO2NO3 <input checked="" type="checkbox"/> NH3 <input type="checkbox"/> TOC |  | Ice<br>H2SO4 2ml                                                                                   |  | SA 734<br>1020                                                                  |  |
| Metals                                                                                 |  | <input type="checkbox"/> W-ICP <input type="checkbox"/> W-FIAS <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP-Tr                                                             |  | <input type="checkbox"/> HNO3 1ml                                                                  |  |                                                                                 |  |
| Filtered Nutrients                                                                     |  | <input type="checkbox"/> PO4 <input type="checkbox"/> Field Filtered .45 um filter                                                                                                            |  | <input type="checkbox"/> Ice                                                                       |  |                                                                                 |  |
| All Other Samples unless otherwise noted                                               |  | <input type="checkbox"/> Other:                                                                                                                                                               |  | <input type="checkbox"/> Ice                                                                       |  |                                                                                 |  |
| <b>Biological Sample Collected:</b>                                                    |  | Macroinvertebrates <input type="checkbox"/>                                                                                                                                                   |  | Phytoplankton <input type="checkbox"/>                                                             |  | Periphyton <input type="checkbox"/> AGP <input type="checkbox"/>                |  |

|                                   |             |                                                                                                                                                                                                                 |                    |                                                                                              |             |             |                    |
|-----------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|----------------------------------------------------------------------------------------------|-------------|-------------|--------------------|
| <b>Meter</b><br>ID Num: Smartroll |             | <b>Equipmt</b><br>Used: Sample Container <input type="checkbox"/> Pole <input checked="" type="checkbox"/><br>Syringe <input type="checkbox"/> Van Dorn <input type="checkbox"/> Other <input type="checkbox"/> |                    | <b>Equipmt</b><br>ID Num: <input type="checkbox"/> Field<br><input type="checkbox"/> Cleaned |             |             |                    |
| <b>Remarks:</b>                   |             |                                                                                                                                                                                                                 |                    | <b>LOCATION</b>                                                                              |             |             |                    |
|                                   |             |                                                                                                                                                                                                                 |                    | Jackson Creek at New Warrington Road                                                         |             |             |                    |
|                                   |             |                                                                                                                                                                                                                 |                    | Lat: N Long: W                                                                               |             |             |                    |
| <b>Parameter</b>                  | <b>Unit</b> | <b>Code</b>                                                                                                                                                                                                     | <b>Field Value</b> | <b>Parameter</b>                                                                             | <b>Unit</b> | <b>Code</b> | <b>Lab Request</b> |
| Field Identity                    | Number      | 29                                                                                                                                                                                                              | E                  | Conductivity Lab                                                                             | UMHO        | 95          |                    |
| Temp. Water                       | °C          | 10                                                                                                                                                                                                              | 19.3               | 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                                                                                                                                                                                                              |                    | 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                                                                                                                                                                                                           | 0.4                | N-TKN                                                                                        | mg/L        | 625         |                    |
| Secchi                            | Meters      | 78                                                                                                                                                                                                              | 20.4               | N-NO2 +NO3                                                                                   | mg/L        | 630         |                    |
| Meter Sample Depth                | Meters      | 98                                                                                                                                                                                                              | 0.2                | Phos-Total                                                                                   | mg/L        | 665         |                    |
| Conductivity Field                | UMHO        | 94                                                                                                                                                                                                              | 121                | Enterococcus                                                                                 | #/100mL     | 31649       |                    |
| Salinity                          | PPTH        | 480                                                                                                                                                                                                             | 0.1                | Total Coliform                                                                               | #/100mL     | 31501       |                    |
| DO Probe                          | mg/L        | 299                                                                                                                                                                                                             | 7.7                | Fecal Coliform                                                                               | #/100mL     | 31616       |                    |
| DO % Saturation                   | Percent     | 301                                                                                                                                                                                                             | 83                 | Chlorophyll A                                                                                | UG/L        | 32210       |                    |
| pH Field                          | Std. Unit   | 400                                                                                                                                                                                                             | 6.5                | Chlorophyll A                                                                                | Corrected   | 32211       |                    |
| Sample Taken By: DM/RC            |             |                                                                                                                                                                                                                 |                    | Report Verified By:                                                                          |             |             |                    |
| Report Prepared By: DM            |             |                                                                                                                                                                                                                 |                    | ( ) CHANGE                                                                                   |             |             |                    |



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified?

Yes / No

WIN Station Name: Jones Creek Upstream of New Warrington Road

Date: 4/16/2018  
(mm/dd/yyyy)

WIN/ Field ID: 33020117

WBID: 846A

Latitude: 30.397866

(Decimal Degrees)

County: Escambia

ORG ID: 21FLPNS

Longitude: 87.278072

(Decimal Degrees)

Receiving Body of Water: Bagan Chico

RQ-2018-03-12-21

| Sampling Team Members |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|-----------------|-------------------|---------------|--------------|--------------------|
| Dana Norton           |  | X               | X                 | X             |              | X                  |
| Ryan Cummins          |  | X               | X                 | X             |              |                    |

| Sampling Equipment                         |                                   |                                          |
|--------------------------------------------|-----------------------------------|------------------------------------------|
| <input type="checkbox"/> Sample Container  | <input type="checkbox"/> Van Dorn | <input checked="" type="checkbox"/> Pole |
| <input type="checkbox"/> Carboy            | <input type="checkbox"/> Syringe  |                                          |
| <input checked="" type="checkbox"/> Dipper | <input type="checkbox"/> Other    |                                          |
| Depth Measured with: meter                 |                                   |                                          |
| Equipment ID: Smartroll                    |                                   |                                          |

| Collection Method                              |                                         |  |
|------------------------------------------------|-----------------------------------------|--|
| <input type="checkbox"/> Wading                | <input type="checkbox"/> Canoe/Kayak    |  |
| <input checked="" type="checkbox"/> From Shore | <input type="checkbox"/> Electric Motor |  |
| <input type="checkbox"/> Other                 | <input type="checkbox"/> Gasoline Motor |  |

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

Meter ID# Smartroll

Matrix: ☒ Fresh/ Marine/ DI

Photos: Yes / No

Flow: No Flow/ Intertidal/ ☒ 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       | 1120 | 0.5             | 0.2              | 7.5             | 6.3       | 65        | 6.1 | 0              | 60                 | 17.0       |
| CEN       |      |                 |                  |                 |           |           |     |                |                    |            |

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         | <input checked="" type="checkbox"/> W-NH3 / <input type="checkbox"/> W-NO2NO3 / <input type="checkbox"/> W-TKN / <input type="checkbox"/> W-TOC / <input type="checkbox"/> W-S-A-TP                                                                                                        | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | 4739 | 12/3/18    | <input type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                            | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3                        |      |            | <input type="checkbox"/> <2 |
| Filtered Nutrients          | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                                                                                                                    | <input type="checkbox"/> Ice                                                      |      |            |                             |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                             | <input type="checkbox"/> Ice                                                      |      |            |                             |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY / <input type="checkbox"/> W-CHC / <input type="checkbox"/> W-COLOR / <input type="checkbox"/> W-SO4-IC / <input type="checkbox"/> W-TDS          | <input type="checkbox"/> Ice                                                      |      |            |                             |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / <input type="checkbox"/> W-F / <input type="checkbox"/> W-TSS / <input type="checkbox"/> TURBIDITY                                                                                                                                                   | <input type="checkbox"/> Ice                                                      |      |            |                             |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                        | <input type="checkbox"/> Formalin                                                 |      |            |                             |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                          | <input type="checkbox"/> Ice                                                      |      |            |                             |
| Microbiology                | <input checked="" type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input type="checkbox"/> Enterococci                                                                                                                                                                            | <input type="checkbox"/> Ice                                                      |      |            |                             |
| Molecular                   | <input checked="" type="checkbox"/> PCR-FILTER <input checked="" type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                         | <input type="checkbox"/> Ice                                                      |      |            |                             |
| Tracers                     | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                                                | <input type="checkbox"/> Ice                                                      |      |            |                             |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-CARB-AA <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R | <input type="checkbox"/> Ice <input type="checkbox"/> Other                       |      |            |                             |

Place Preservative Sticker(s) Here  
(If Available)

|        |                  |
|--------|------------------|
| Notes: | Place Label Here |
|--------|------------------|

Signature: Dana Norton Date: 4/16/2018

Enter Field Parameters, Verify Station ID In LIMS DMT: \_\_\_\_\_ QC Station ID, Field Parameters In LIMS DMT: \_\_\_\_\_

Scan/Save Field Sheets \_\_\_\_\_ 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 2018

Data Qualified?

Yes / No

WIN Station Name: Bayou Chico at Navy Boulevard Bridge

Date: 4/16/2018  
(mm/dd/yyyy)

WIN/ Field ID: 3302JE20

WBID: 846

Latitude: 30.410922

County: Escambia

ORG ID: 21FLPNS

Longitude: 87.258817

Receiving Body of Water: Bayou Chico

RQ-2018- 03-12-21

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| Dana Morton           |  |  |  |  | X               | X                 |               |              |                    |
| Ryan Cummings         |  |  |  |  | X               | X                 | X             | X            |                    |

| Sampling Equipment                         |                                   |                                          |  |
|--------------------------------------------|-----------------------------------|------------------------------------------|--|
| <input type="checkbox"/> Sample Container  | <input type="checkbox"/> Van Dorn | <input checked="" type="checkbox"/> Pole |  |
| <input type="checkbox"/> Carboy            | <input type="checkbox"/> Syringe  |                                          |  |
| <input checked="" type="checkbox"/> Dipper | <input type="checkbox"/> Other    |                                          |  |
| Depth Measured with                        |                                   |                                          |  |
| Equipment ID Smartroll                     |                                   |                                          |  |

| Collection Method                              |                                         |  |  |
|------------------------------------------------|-----------------------------------------|--|--|
| <input type="checkbox"/> Wading                | <input type="checkbox"/> Canoe/Kayak    |  |  |
| <input checked="" type="checkbox"/> From Shore | <input type="checkbox"/> Electric Motor |  |  |
| <input type="checkbox"/> Other                 | <input type="checkbox"/> Gasoline Motor |  |  |

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

Meter ID# Smartroll

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       | 1325 | 0.5             | 0.2              | >0.5            | 8.4       | 105       | 7.5 | 14.5           | 23597              | 22.7       |
| CEN       |      |                 |                  |                 |           |           |     |                |                    |            |

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         | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                    | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | SA 139 1030 | 12/18      | <input type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                    | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3                        |             |            | <input type="checkbox"/> <2 |
| Filtered Nutrients          | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 µm Filter                                                                                                            | <input type="checkbox"/> Ice                                                      |             |            |                             |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                     | <input type="checkbox"/> Ice                                                      |             |            |                             |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-C-IC / W-COLOR / W-SO4-IC / W-TDS                                                                                                | <input type="checkbox"/> Ice                                                      |             |            |                             |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                      | <input type="checkbox"/> Ice                                                      |             |            |                             |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                | <input type="checkbox"/> Formalin                                                 |             |            |                             |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                  | <input type="checkbox"/> Ice                                                      |             |            |                             |
| Microbiology                | <input type="checkbox"/> E Coll <input type="checkbox"/> F Coll <input checked="" type="checkbox"/> Enterococci                                                                                    | <input type="checkbox"/> Ice                                                      |             |            |                             |
| Molecular                   | <input checked="" type="checkbox"/> PCR-FILTER <input checked="" type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD | <input type="checkbox"/> Ice                                                      |             |            |                             |
| Tracers                     | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                        | <input type="checkbox"/> Ice                                                      |             |            |                             |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-CARB-AA                                                      | <input type="checkbox"/> Ice                                                      |             |            |                             |
|                             | <input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R                                                       | <input type="checkbox"/> Other                                                    |             |            |                             |

Notes: Sailboat moored ~ 50' away

Place Label Here

Signature: R. Dana Morton Date: 4/16/2018

Enter Field Parameters, Verify Station ID In LIMS DMT: QC Station ID, Field Parameters In LIMS DMT:

Scan/Save Field Sheets 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 2018

Data Qualified?

Yes / No

WIN Station Name: Bayou Chico at W Street Bridge

Date: 4/16/2018  
(mm/dd/yyyy)

WIN/ Field ID: 33020JF1

WBID: 846C

Latitude: 30.415272

(Decimal Degrees)

County: Escambia

ORG ID: 21FLPNS

Longitude: 87.251311

(Decimal Degrees)

Receiving Body of Water: Bayou Chico

RQ-2018- 03-12-21

| Sampling Team Members |  |  |  |  | WQ Measurements | Sample Collection | Documentation | Preservation | Preservation Check |
|-----------------------|--|--|--|--|-----------------|-------------------|---------------|--------------|--------------------|
| Dana Morton           |  |  |  |  |                 |                   |               |              |                    |
| Ryan Cummings         |  |  |  |  |                 |                   |               |              |                    |

| Sampling Equipment                             |                                         |
|------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Sample Container      | <input type="checkbox"/> Van Dorn       |
| <input type="checkbox"/> Carboy                | <input type="checkbox"/> Syringe        |
| <input checked="" type="checkbox"/> Dipper     | <input type="checkbox"/> Other          |
| Depth Measured with                            |                                         |
| Equipment ID Smartroll                         |                                         |
| Collection Method                              |                                         |
| <input type="checkbox"/> Wading                | <input type="checkbox"/> Canoe/Kayak    |
| <input checked="" type="checkbox"/> From Shore | <input type="checkbox"/> Electric Motor |
| <input type="checkbox"/> Other                 | <input type="checkbox"/> Gasoline Motor |

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded  
Photos: Yes / No  
Flow: No Flow / Intertidal / (Flowing) / NA  
Meter ID# Smartroll  
Matrix: Fresh (Marine) / DI  
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       | 1350 | 1.1             | 0.2              | 0.7             | 6.2       | 71        | 7.0 | 0.3            | 574                | 21.9       |
| CEN       |      |                 |                  |                 |           |           |     |                |                    |            |

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         | <input checked="" type="checkbox"/> W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP                                                                                                                                                                                                               | <input checked="" type="checkbox"/> Ice <input checked="" type="checkbox"/> H2SO4 | 54734 | 12/3/18    | <input checked="" type="checkbox"/> <2 |
| Metals                      | <input type="checkbox"/> W-ICPMS <input type="checkbox"/> W-ICP                                                                                                                                                                                                                               | <input type="checkbox"/> Ice <input type="checkbox"/> HNO3                        |       |            | <input type="checkbox"/> <2            |
| Filtered Nutrients          | <input type="checkbox"/> W-PO4-F <input type="checkbox"/> Field Filtered 0.45 um Filter                                                                                                                                                                                                       | <input type="checkbox"/> Ice                                                      |       |            |                                        |
| Chlorophyll                 | <input checked="" type="checkbox"/> CHLSUITE-W                                                                                                                                                                                                                                                | <input type="checkbox"/> Ice                                                      |       |            |                                        |
| Physical/Aggregate (Fresh)  | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY / W-CHL / W-COLOR / W-SO4-IC / W-TDS                                                                                                                                                                                            | <input type="checkbox"/> Ice                                                      |       |            |                                        |
| Physical/Aggregate (Marine) | <input type="checkbox"/> Alkalinity / W-F / W-TSS / TURBIDITY                                                                                                                                                                                                                                 | <input type="checkbox"/> Ice                                                      |       |            |                                        |
| Macroinvertebrates          | <input type="checkbox"/> MI-FW-QLDC                                                                                                                                                                                                                                                           | <input type="checkbox"/> Formalin                                                 |       |            |                                        |
| Periphyton                  | <input type="checkbox"/> ALGAE-ID                                                                                                                                                                                                                                                             | <input checked="" type="checkbox"/> Ice                                           |       |            |                                        |
| Microbiology                | <input type="checkbox"/> E Coli <input type="checkbox"/> F Coli <input checked="" type="checkbox"/> Enterococci                                                                                                                                                                               | <input type="checkbox"/> Ice                                                      |       |            |                                        |
| Molecular                   | <input checked="" type="checkbox"/> PCR-FILTER <input checked="" type="checkbox"/> PCR-HF183 <input type="checkbox"/> PCR-BacR <input type="checkbox"/> PCR-GULL2 <input type="checkbox"/> PCR-GFD                                                                                            | <input type="checkbox"/> Ice                                                      |       |            |                                        |
| Tracers                     | <input type="checkbox"/> W-SUC-AA-R <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA                                                                                                                                                                                   | <input type="checkbox"/> Ice                                                      |       |            |                                        |
| Pesticides                  | <input type="checkbox"/> W-PSNP-TQ <input type="checkbox"/> W-UHERB-AA <input type="checkbox"/> W-AHERB-AA <input type="checkbox"/> W-CARB-AA<br><input type="checkbox"/> W-PCL-SQ-R <input type="checkbox"/> W-PYR-AA-R <input type="checkbox"/> W-GLYPH <input type="checkbox"/> W-SUC-AA-R | <input type="checkbox"/> Ice<br><input type="checkbox"/> Other                    |       |            |                                        |

Notes: Turbidity from upstream project 17.8 NTU

Place Label Here

Signature: R. Dana Morton Date: 4/16/2018

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)

# Pensacola NAS, FL

Pensacola Naval Air Station

© 12:56 PM CDT on April 16, 2018 (GMT -0500)

## Weather History for KNPA - April, 2018

April

15

2018

**View**

Sunday, April 15, 2018

**Daily**

Weekly

Monthly

Custom

|                     | Actual      | Average | Record       |
|---------------------|-------------|---------|--------------|
| Temperature         |             |         |              |
| Mean Temperature    | 58 °F       | -       |              |
| Max Temperature     | 66 °F       | 73 °F   | 86 °F (2001) |
| Min Temperature     | 48 °F       | 56 °F   | 41 °F (2008) |
| Degree Days         |             |         |              |
| Heating Degree Days | 7           |         |              |
| Growing Degree Days | 8 (Base 50) |         |              |
| Moisture            |             |         |              |
| Dew Point           | 48 °F       |         |              |
| Average Humidity    | 70          |         |              |
| Maximum Humidity    | 94          |         |              |
| Minimum Humidity    | 37          |         |              |
| Precipitation       |             |         |              |
| Precipitation       | 0.72 in     | -       | - ()         |
| Sea Level Pressure  |             |         |              |
| Sea Level Pressure  | 29.88 in    |         |              |
| Wind                |             |         |              |
| Wind Speed          | 7 mph (NW)  |         |              |

# Pensacola NAS, FL

Pensacola Naval Air Station

© 12:56 PM CDT on April 16, 2018 (GMT -0500)

## Weather History for KNPA - April, 2018

April

14

2018

**View**

Saturday, April 14, 2018

**Daily** Weekly Monthly Custom

|                     | Actual       | Average | Record       |
|---------------------|--------------|---------|--------------|
| Temperature         |              |         |              |
| Mean Temperature    | 72 °F        | -       |              |
| Max Temperature     | 79 °F        | 73 °F   | 86 °F (2001) |
| Min Temperature     | 66 °F        | 56 °F   | 44 °F (2008) |
| Cooling Degree Days | 7            |         |              |
| Growing Degree Days | 22 (Base 50) |         |              |
| Moisture            |              |         |              |
| Dew Point           | 69 °F        |         |              |
| Average Humidity    | 86           |         |              |
| Maximum Humidity    | 93           |         |              |
| Minimum Humidity    | 74           |         |              |
| Precipitation       |              |         |              |
| Precipitation       | 0.54 in      | -       | - ()         |
| Sea Level Pressure  |              |         |              |
| Sea Level Pressure  | 29.89 in     |         |              |
| Wind                |              |         |              |
| Wind Speed          | 14 mph (SSE) |         |              |
| Max Wind Speed      | 20 mph       |         |              |
| Max Gust Speed      | 29 mph       |         |              |
| Visibility          | 6 miles      |         |              |