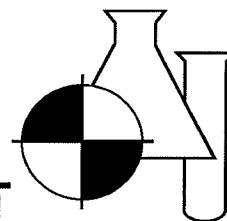


# BENCHMARK EA SOUTH



## ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

NELAC Certification # E85086

**Submission Number :** S 20070319

Florida Dept Of Env Protection  
2600 Blair Stone Rd  
Tallahassee, FL 32399

**Project Name :** RQ-2020-07-13-26  
**Date Received :** 07/14/2020  
**Time Received :** 1207

**Submission:** S 20070319

**Sample Number:** 001

**Sample Description:** G3SD0011- Hawthorne Creek

**Sample Date:** 07/14/2020

**Sample Method:** Grab

**Sample Time:** 0930

| Parameter                   | Result | Units   | MDL | PQL | Procedure | Preparation<br>Date Time | Analysis<br>Date Time | Analyst |
|-----------------------------|--------|---------|-----|-----|-----------|--------------------------|-----------------------|---------|
| E- COLI BY IDEXX QUANTITRAY | 1989   | #/100ML | 10  | 10  | SM9223B   | 07/14/2020 13:18         | 07/15/2020 14:25      | MM      |

**Submission:** S 20070319

**Sample Number:** 002

**Sample Description:** G3SD0096- Hog Bay

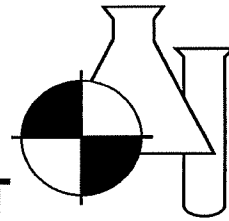
**Sample Date:** 07/14/2020

**Sample Method:** Grab

**Sample Time:** 1005

| Parameter                   | Result | Units   | MDL | PQL | Procedure | Preparation<br>Date Time | Analysis<br>Date Time | Analyst |
|-----------------------------|--------|---------|-----|-----|-----------|--------------------------|-----------------------|---------|
| E- COLI BY IDEXX QUANTITRAY | 213    | #/100ML | 10  | 10  | SM9223B   | 07/14/2020 13:18         | 07/15/2020 14:25      | MM      |

# BENCHMARK EA SOUTH



## ANALYTICAL TEST REPORT THESE RESULTS MEET NELAC STANDARDS

NELAC Certification # E85086

*Melinda Merchant*

07/17/2020

Dale D. Dixon / Laboratory Director

Date

Melinda Merchant / Laboratory Manager

### DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.

B = Results based upon colony counts outside the ideal range.

H = Value based on field kit determination. Results may not be accurate.

I = Reported value is between the laboratory MDL and the PQL.

J0 = All Quanti-Tray wells were positive. Result may be higher than reported.

J1 = Est. value surrogate recovery limits exceeded.

J2 = Est. value. No quality control criteria exists for component.

J3 = Est. value quality control criteria for precision or accuracy not met.

J4 = Est. value. Sample matrix interference suspected.

J5 = Est. value. Data questionable due to improper lab or field protocols

K = Off-scale low. Value is known to be < the value reported.

L = Off-scale high. Value is known to be > the value reported

N = Presumptive evidence of presence of material.

Q = Sample held beyond accepted hold time (15 minutes for pH).

T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.

U = Analyte analyzed but not detected at the value indicated.

V = Analyte detected in sample and method blank.

Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.

Z = Too many colonies were present (TNTC); the numeric value represents the filtration volume.

? = Data rejected and should not be used. Some or all of QC data were outside criteria, and the Presence or absence of the analyte cannot be determined from the data.

! = Data deviate from historically established concentration ranges.

\* = Not reported due to interference.

### NOTES:

PQL = 4xMDL. Except for Micro PQL=MDL

X = Value exceed MCL.

1 dilution (10 mL) on each Enterococci and E.coli sample and 3 dilutions (1 mL, 10 mL, & 100 mL) on each Fecal Coliform sample.

For questions and comments regarding these results, please contact Melinda Merchant at (941) 625-3137

These results relate only to the samples included in this report.

# Benchmark EnviroAnalytical, Inc.

1001 Corporate Ave. Suite 102  
North Port, FL 34289  
(941) 625-3137 / (941) 240-3071 fax

Client Name: FDEP  
Address: 2600 Blair Stone Rd.  
Tallahassee, FL, 32399

Phone: (850) 245-8085  
Email: dep-overflowmicro@dep.state.fl.us

Bill to: Frances Moore  
P.O. #: Lab B16970

Project Name: RQ-2020-07-13-26

Project Run/Location: Desoto Creek

Laboratory Submission #:

522070319

| Station ID                 | Surface Water Sample Matrix*<br>(Fresh / Marine)            | Enterococci                 |   |        |   | Laboratory Sample # |              |         |      |   |
|----------------------------|-------------------------------------------------------------|-----------------------------|---|--------|---|---------------------|--------------|---------|------|---|
|                            |                                                             | E.coli (SM9223B Quantitray) |   |        |   |                     |              |         |      |   |
| Sample Type                | E.coli = 250 mL ; Entero = 120 mL ; Fecal Coliform = 120 mL |                             |   |        |   |                     |              |         |      |   |
|                            |                                                             |                             |   |        |   |                     |              |         |      |   |
| GSSD0011 - Hawthorne Creek | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: | 7/14/20 | 0930 | 1 |
| GSSD0096 - Hog Bay         | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: | 7/14/20 | 1005 | 2 |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            | F / M / Grab                                                | E.coli                      | / | Entero | / | F.coli              | Date & Time: |         |      |   |
|                            |                                                             |                             |   |        |   |                     |              |         |      |   |

1. "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
  2. "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil sediment (SDMT), or sludge (SLDG).
  3. "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
  4. "Sample" must be refrigerated or stored in wet ice after collection. The maximum temperature during storage should be 6°C (42.8°F). Under "Preservative," list any preservatives that were added to the sample container.
- Instructions:**
1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
  2. The following information should be added to each bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.
  3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.
  4. The client is responsible for documentation of the sampling event. Please use special sampling events on the sample custody form.

Laboratory Sample Acceptability:  
pH < 2 : 0 BEAS Temperature: 3.7°C

|   |                            |               |            |                              |               |            |
|---|----------------------------|---------------|------------|------------------------------|---------------|------------|
| 1 | Collector: Miranda Carroll | Date: 7/14/20 | Time: 1207 | Received By: Miranda Carroll | Date: 7/14/20 | Time: 1207 |
| 2 | Relinquished by:           | Date: 7/14/20 | Time: 1207 | Received By:                 | Date: 7/14/20 | Time: 1207 |
| 3 | Relinquished by:           | Date:         | Time:      | Received By:                 | Date:         | Time:      |
| 4 | Relinquished by:           | Date:         | Time:      | Received By:                 | Date:         | Time:      |
| 5 | Relinquished by:           | Date:         | Time:      | Received By:                 | Date:         | Time:      |