

# Guana Lake Field Data Sheet – Nutrient Run

- € Take environmental data
  1. Include notes on field conditions
- € Take water quality data (0.3 m from top)
  1. YSI Quattro
- € Write date/time on sample bottles
- € Collect water 0.3 meter from surface.
- € Fill sample bottles, return to baggie, put on ice
- € Do not season bottles, as they are preserved

|      |                            |
|------|----------------------------|
| Date | 2020 JUL 15                |
| Crew | J Lee<br>SDUNNIGAN (RIVER) |

## NOTES:

- blank: 071520 0706

| Guana River 3 (GR3)   |                    |      |
|-----------------------|--------------------|------|
| Sample Time           | 0705               |      |
| Air Temp              | 27.4               |      |
| Wind(Direction/Speed) | NW 1.4 kts / (m/s) |      |
| Secchi                | 1.0 ft / (m)       |      |
| Water Depth           | 19 (ft) / m        |      |
| Water Quality         |                    |      |
| Temperature(°C)       | 29.7               |      |
| SpCond                | 46408              |      |
| pH                    | 7.65               |      |
| DO (mg/L) & (%)       | 4.87               | 75.6 |
| Salinity (ppt)        | 29.99              |      |

| Guana River (GR)      |                  |      |
|-----------------------|------------------|------|
| Sample Time           | 0725             |      |
| Air Temp              | 28.3             |      |
| Wind(Direction/Speed) | 0.3 NW kts / m/s |      |
| Secchi                | 0.65 ft / (m)    |      |
| Water Depth           | 12.7 (ft) / m    |      |
| Water Quality         |                  |      |
| Temperature(°C)       | 29.9             |      |
| SpCond                | 46203            |      |
| pH                    | 7.64             |      |
| DO (mg/L) & (%)       | 4.46             | 69.8 |
| Salinity (ppt)        | 29.84            |      |

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| Guana River 1 (GR1)   |                  |      |
|-----------------------|------------------|------|
| Sample Time           | 0744             |      |
| Air Temp              | 29.3             |      |
| Wind(Direction/Speed) | 0.3 NW kts / m/s |      |
| Secchi                | 0.5 ft / m       |      |
| Water Depth           | 4.2 ft / m       |      |
| Water Quality         |                  |      |
| Temperature(°C)       | 29.6             |      |
| SpCond                | 46828            |      |
| pH                    | 7.46             |      |
| DO (mg/L) & (%)       | 3.41             | 52.5 |
| Salinity (ppt)        | 30.30            |      |

| Guana River North (RN) |                  |      |
|------------------------|------------------|------|
| Sample Time            | 0755             |      |
| Air Temp               | 29.5             |      |
| Wind(Direction/Speed)  | 0.4 NW kts / m/s |      |
| Secchi                 | 0.6 ft / m       |      |
| Water Depth            | 2.9 ft / m       |      |
| Water Quality          |                  |      |
| Temperature(°C)        | 29.5             |      |
| SpCond                 | 46833            |      |
| pH                     | 7.24             |      |
| DO (mg/L) & (%)        | 3.80             | 59.0 |
| Salinity (ppt)         | 30.30            |      |

| Guana Lake South (LS) |                |      |
|-----------------------|----------------|------|
| Sample Time           | 0840           |      |
| Air Temp              | 27.3           |      |
| Wind(Direction/Speed) | NW.4 kts / m/s |      |
| Secchi                | .5 ft / m      |      |
| Water Depth           | .8 ft / m      |      |
| Water Quality         |                |      |
| Temperature(°C)       | 29.4           |      |
| SpCond                | 46770          |      |
| pH                    | 7.24           |      |
| DO (mg/L) & (%)       | 3.90           | 60.4 |
| Salinity (ppt)        | 30.24          |      |

Notes:

Flow: .023 m/s

Staff gauge: 3.45

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| Guana Lake 4 (GL4)    |                        |      |
|-----------------------|------------------------|------|
| Sample Time           | 0903                   |      |
| Air Temp              | 31.3                   |      |
| Wind(Direction/Speed) | NW .3 kts / <u>m/s</u> |      |
| Secchi                | .7 ft / <u>m</u>       |      |
| Water Depth           | 3.8 <u>ft</u> / m      |      |
| Water Quality         |                        |      |
| Temperature(°C)       | 29.9                   |      |
| SpCond                | 44920                  |      |
| pH                    | 7.33                   |      |
| DO (mg/L) & (%)       | 4.67                   | 75.5 |
| Salinity (ppt)        | 28.91                  |      |

↑ Flow: .016 m/s

| Guana Lake 2 (GL2)    |                   |      |
|-----------------------|-------------------|------|
| Sample Time           | 0954              |      |
| Air Temp              | 31.5              |      |
| Wind(Direction/Speed) | NW .3 kts / (m/s) |      |
| Secchi                | .4 ft / (m)       |      |
| Water Depth           | 3.2 (ft) / m      |      |
| Water Quality         |                   |      |
| Temperature(°C)       | 29.6              |      |
| SpCond                | 13795             |      |
| pH                    | 7.47              |      |
| DO (mg/L) & (%)       | 3.72              | 51.1 |
| Salinity (ppt)        | 7.95              |      |

| Guana Lake Middle (LM) |                       |      |
|------------------------|-----------------------|------|
| Sample Time            | 0930                  |      |
| Air Temp               | 30.7                  |      |
| Wind(Direction/Speed)  | NW.3 kts / <u>m/s</u> |      |
| Secchi                 | .7 ft / <u>m</u>      |      |
| Water Depth            | 3.5 <u>ft</u> / m     |      |
| Water Quality          |                       |      |
| Temperature(°C)        | 29.7                  |      |
| SpCond                 | 34850                 |      |
| pH                     | 7.28                  |      |
| DO (mg/L) & (%)        | 4.79                  | 71.4 |
| Salinity (ppt)         | 21.85                 |      |

Flow: .017 m/s

Notes:

Flow: negative (no flow or too much sediment)

| Guana Lake 1 (GL1)                           |                |      |
|----------------------------------------------|----------------|------|
| Sample Time                                  | 1027           |      |
| Air Temp                                     | 32.8           |      |
| Wind(Direction/Speed)                        | .6 kts / (m/s) |      |
| Secchi                                       | >1.2 ft / (m)  |      |
| Water Depth                                  | 2.7 (ft) / m   |      |
| Water Quality * too shallow for bottom read. |                |      |
| Temperature(°C)                              | 28.3           |      |
| SpCond                                       | 856            |      |
| pH                                           | 7.30           |      |
| DO (mg/L) & (%)                              | 1.44           | 18.6 |
| Salinity (ppt)                               | 0.42           |      |

| Micklers Landing (MK) |           |  |
|-----------------------|-----------|--|
| Sample Time           |           |  |
| Air Temp              |           |  |
| Wind(Direction/Speed) | kts / m/s |  |
| Secchi                | ft / m    |  |
| Water Depth           | ft / m    |  |
| Water Quality         |           |  |
| Temperature(°C)       |           |  |
| SpCond                |           |  |
| pH                    |           |  |
| DO (mg/L) & (%)       |           |  |
| Salinity (ppt)        |           |  |

← Flow: .012 \* boat movement, negative readings as well.

Notes:

|                       |                    |      |
|-----------------------|--------------------|------|
| Sample Time           | 1332               |      |
| Air Temp              | 32.7               |      |
| Wind(Direction/Speed) | NW 0.7 kts / (m/s) |      |
| Secchi                | >1.2 ft / (m)      |      |
| Water Depth           | 3.5 (ft) / m       |      |
| Water Quality         |                    |      |
| Temperature(°C)       | 29.5               |      |
| SpCond                | 750                |      |
| pH                    | 7.44               |      |
| DO (mg/L) & (%)       | 5.55               | 78.0 |
| Salinity (ppt)        | 0.26               |      |

Micklers  
JL

Report Completed by: \_\_\_\_\_ Checked by: \_\_\_\_\_