

# Laboratory Results

## Lee County Environmental Laboratory

60-2 Danley Drive  
Fort Myers, FL 33907  
239-533-8600



To: Natural Resources Management  
1500 Monroe St  
Fort Myers FL 33901  
RE: Tidal Caloosa

Report Date: 6/27/2022

Below are the results of samples submitted to this laboratory on 6/15/2022

|                    |           |                          |                   |
|--------------------|-----------|--------------------------|-------------------|
| Laboratory ID      | AF27198   | Collection date and time | 6/15/2022 1:05 PM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER    |
| Sample Description | Grid #463 |                          |                   |

| Analyte Name                             | Result | Qualifier | Units        | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|------------------------------------------|--------|-----------|--------------|-------|-------|---------------|---------------|-----------------|
| Chlorophyll a - corrected for Pheophytin | 7.84   |           | mg/M3        | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Pheophytin                               | 27.23  |           | mg/M3        | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Biochemical Oxygen Demand 5 day          | 2.3    |           | mg/L         | 0.3   | 1.2   | 6/16/2022     | 9:53 AM       | SM 5210 B       |
| Color                                    | 89.8   |           | CU           | 1.25  | 5.00  | 6/16/2022     | 2:40 PM       | SM21 2120 C     |
| Specific Conductance, By Client          | 513    |           | µmhos/cm     |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1200     |
| Oxygen, Dissolved, Electrode, by Client  | 6.06   |           | mg/L         |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1500     |
| Enterococci                              | 20     |           | MPN/100mL    | 10    |       | 6/15/2022     | 3:03 PM       | Enterolert®     |
| Ammonia                                  | 0.040  | I         | mg/L as N    | 0.014 | 0.056 | 6/16/2022     | 10:49 AM      | EPA 350.1       |
| Nitrite                                  | 0.063  |           | mg/L as N    | 0.003 | 0.012 | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate                                  | 0.204  |           | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate + Nitrite                        | 0.267  |           | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrogen, Organic                        | 1.2    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN - NH3       |
| Phosphorus, Ortho                        | 0.070  |           | mg/L as P    | 0.005 | 0.020 | 6/16/2022     | 3:17 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client      | 7.61   |           | units        |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1100     |
| Salinity by meter by Client              | 0.24   |           | SU           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1300    |
| Water Clarity Secchi Disk, by Client     | 0.85   |           | meters       |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1700    |
| Silica, dissolved as SiO2                | 8.7    |           | mg/L as SiO2 | 0.1   | 0.4   | 6/16/2022     | 1:21 PM       | SM4500-SiO2 C   |
| Depth of Water Body                      | 1.4    |           | Meters       |       |       | 6/15/2022     | 1:05 PM       | FS2100          |
| Field Temperature by client              | 31.1   |           | °C           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total                | 1.2    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | EPA 351.2       |
| Nitrogen, Total                          | 1.5    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)              | 16     |           | mg/L         | 1     | 4     | 6/17/2022     | 1:06 PM       | SM 5310 B       |
| Phosphorus, Total                        | 0.13   |           | mg/L as P    | 0.006 | 0.024 | 6/17/2022     | 9:12 AM       | EPA 365.1       |

Report Format: NELAC

DOH #E45049



|                    |           |                          |                   |
|--------------------|-----------|--------------------------|-------------------|
| Laboratory ID      | AF27198   | Collection date and time | 6/15/2022 1:05 PM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER    |
| Sample Description | Grid #463 |                          |                   |

| Analyte Name              | Result | Qualifier | Units | MDL | PQL | Analysis Date | Analysis Time | Analysis Method |
|---------------------------|--------|-----------|-------|-----|-----|---------------|---------------|-----------------|
| Total Suspended Solids    | 3.70   |           | mg/L  | 0.6 | 2.4 | 6/16/2022     | 6:39 AM       | SM 2540 D       |
| Turbidity (Nephelometric) | 3.38   |           | NTU   | 0.2 | 0.8 | 6/16/2022     | 6:31 AM       | EPA 180.1       |

|                    |           |                          |                    |
|--------------------|-----------|--------------------------|--------------------|
| Laboratory ID      | AF27199   | Collection date and time | 6/15/2022 11:40 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER     |
| Sample Description | Grid #428 |                          |                    |

| Analyte Name                             | Result | Qualifier | Units        | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|------------------------------------------|--------|-----------|--------------|-------|-------|---------------|---------------|-----------------|
| Chlorophyll a - corrected for Pheophytin | 44.14  |           | mg/M3        | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Pheophytin                               | 7.49   |           | mg/M3        | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Biochemical Oxygen Demand 5 day          | 2.8    |           | mg/L         | 0.3   | 1.2   | 6/16/2022     | 9:53 AM       | SM 5210 B       |
| Color                                    | 64.6   |           | CU           | 1.25  | 5.00  | 6/16/2022     | 2:40 PM       | SM21 2120 C     |
| Specific Conductance, By Client          | 569    |           | µmhos/cm     |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1200     |
| Oxygen, Dissolved, Electrode, by Client  | 10.77  |           | mg/L         |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1500     |
| Enterococci                              | 10     | U         | MPN/100mL    | 10    |       | 6/15/2022     | 3:03 PM       | Enterolert®     |
| Ammonia                                  | 0.014  | U         | mg/L as N    | 0.014 | 0.056 | 6/16/2022     | 10:49 AM      | EPA 350.1       |
| Nitrite                                  | 0.003  | I         | mg/L as N    | 0.003 | 0.012 | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate                                  | 0.027  | I         | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate + Nitrite                        | 0.030  | I         | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrogen, Organic                        | 1.1    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN - NH3       |
| Phosphorus, Ortho                        | 0.021  |           | mg/L as P    | 0.005 | 0.020 | 6/16/2022     | 3:17 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client      | 8.32   |           | units        |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1100     |
| Salinity by meter by Client              | 0.27   |           | SU           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1300    |
| Water Clarity Secchi Disk, by Client     | 0.65   |           | meters       |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1700    |
| Silica, dissolved as SiO2                | 8.0    |           | mg/L as SiO2 | 0.1   | 0.4   | 6/16/2022     | 1:21 PM       | SM4500-SiO2 C   |
| Depth of Water Body                      | 2.5    |           | Meters       |       |       | 6/15/2022     | 1:05 PM       | FS2100          |
| Field Temperature by client              | 31.1   |           | °C           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total                | 1.1    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | EPA 351.2       |
| Nitrogen, Total                          | 1.1    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)              | 15     |           | mg/L         | 1     | 4     | 6/20/2022     | 1:51 PM       | SM 5310 B       |
| Phosphorus, Total                        | 0.093  |           | mg/L as P    | 0.006 | 0.024 | 6/17/2022     | 9:12 AM       | EPA 365.1       |
| Total Suspended Solids                   | 8.95   |           | mg/L         | 0.6   | 2.4   | 6/16/2022     | 6:39 AM       | SM 2540 D       |
| Turbidity (Nephelometric)                | 7.28   |           | NTU          | 0.2   | 0.8   | 6/16/2022     | 6:31 AM       | EPA 180.1       |



|                    |           |                          |                   |
|--------------------|-----------|--------------------------|-------------------|
| Laboratory ID      | AF27200   | Collection date and time | 6/15/2022 9:20 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER    |
| Sample Description | Grid #387 |                          |                   |

| Analyte Name                             | Result | Qualifier | Units        | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|------------------------------------------|--------|-----------|--------------|-------|-------|---------------|---------------|-----------------|
| Chlorophyll a - corrected for Pheophytin | 3.01   |           | mg/M3        | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Pheophytin                               | 17.87  |           | mg/M3        | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Biochemical Oxygen Demand 5 day          | 1.2    |           | mg/L         | 0.3   | 1.2   | 6/16/2022     | 9:53 AM       | SM 5210 B       |
| Color                                    | 39.5   |           | CU           | 1.25  | 5.00  | 6/16/2022     | 2:40 PM       | SM21 2120 C     |
| Specific Conductance, By Client          | 9281   |           | µmhos/cm     |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1200     |
| Oxygen, Dissolved, Electrode, by Client  | 6.93   |           | mg/L         |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1500     |
| Enterococci                              | 10     | U         | MPN/100mL    | 10    |       | 6/15/2022     | 3:03 PM       | Enterolert®     |
| Ammonia                                  | 0.014  | U         | mg/L as N    | 0.014 | 0.056 | 6/16/2022     | 10:49 AM      | EPA 350.1       |
| Nitrite                                  | 0.003  | U         | mg/L as N    | 0.003 | 0.012 | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate                                  | 0.022  | I         | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate + Nitrite                        | 0.022  | I         | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrogen, Organic                        | 0.90   |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN - NH3       |
| Phosphorus, Ortho                        | 0.047  |           | mg/L as P    | 0.005 | 0.020 | 6/16/2022     | 3:17 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client      | 8.09   |           | units        |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1100     |
| Salinity by meter by Client              | 5.16   |           | SU           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1300    |
| Water Clarity Secchi Disk, by Client     | 1.05   |           | meters       |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1700    |
| Silica, dissolved as SiO2                | 6.7    |           | mg/L as SiO2 | 0.1   | 0.4   | 6/16/2022     | 1:21 PM       | SM4500-SiO2 C   |
| Depth of Water Body                      | 3.2    |           | Meters       |       |       | 6/15/2022     | 1:05 PM       | FS2100          |
| Field Temperature by client              | 29.6   |           | °C           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total                | 0.90   |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | EPA 351.2       |
| Nitrogen, Total                          | 0.92   |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)              | 12     |           | mg/L         | 1     | 4     | 6/20/2022     | 1:51 PM       | SM 5310 B       |
| Phosphorus, Total                        | 0.095  |           | mg/L as P    | 0.006 | 0.024 | 6/17/2022     | 9:12 AM       | EPA 365.1       |
| Total Suspended Solids                   | 5.00   |           | mg/L         | 0.6   | 2.4   | 6/16/2022     | 6:39 AM       | SM 2540 D       |
| Turbidity (Nephelometric)                | 3.75   |           | NTU          | 0.2   | 0.8   | 6/16/2022     | 6:31 AM       | EPA 180.1       |

|                    |           |                          |                    |
|--------------------|-----------|--------------------------|--------------------|
| Laboratory ID      | AF27201   | Collection date and time | 6/15/2022 10:55 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER     |
| Sample Description | Grid #418 |                          |                    |

| Analyte Name                             | Result | Qualifier | Units    | MDL  | PQL  | Analysis Date | Analysis Time | Analysis Method |
|------------------------------------------|--------|-----------|----------|------|------|---------------|---------------|-----------------|
| Chlorophyll a - corrected for Pheophytin | 22.70  |           | mg/M3    | 0.5  | 2.0  | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Pheophytin                               | 39.58  |           | mg/M3    | 0.5  | 2.0  | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Biochemical Oxygen Demand 5 day          | 2.1    |           | mg/L     | 0.3  | 1.2  | 6/16/2022     | 9:53 AM       | SM 5210 B       |
| Color                                    | 54.0   |           | CU       | 1.25 | 5.00 | 6/16/2022     | 2:40 PM       | SM21 2120 C     |
| Specific Conductance, By Client          | 626    |           | µmhos/cm |      |      | 6/15/2022     | 1:05 PM       | FDEP FT1200     |

Report Format: NELAC

DOH #E45049



|                    |           |                          |                    |
|--------------------|-----------|--------------------------|--------------------|
| Laboratory ID      | AF27201   | Collection date and time | 6/15/2022 10:55 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER     |
| Sample Description | Grid #418 |                          |                    |

| Analyte Name                            | Result | Qualifier | Units        | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|-----------------------------------------|--------|-----------|--------------|-------|-------|---------------|---------------|-----------------|
| Oxygen, Dissolved, Electrode, by Client | 9.29   |           | mg/L         |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1500     |
| Enterococci                             | 10     | U         | MPN/100mL    | 10    |       | 6/15/2022     | 3:03 PM       | Enterolert®     |
| Ammonia                                 | 0.015  | I         | mg/L as N    | 0.014 | 0.056 | 6/16/2022     | 10:49 AM      | EPA 350.1       |
| Nitrite                                 | 0.006  | I         | mg/L as N    | 0.003 | 0.012 | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate                                 | 0.011  | I         | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate + Nitrite                       | 0.017  | I         | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrogen, Organic                       | 1.0    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN - NH3       |
| Phosphorus, Ortho                       | 0.026  |           | mg/L as P    | 0.005 | 0.020 | 6/16/2022     | 3:17 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client     | 8.33   |           | units        |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1100     |
| Salinity by meter by Client             | 0.30   |           | SU           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1300    |
| Water Clarity Secchi Disk, by Client    | 0.65   |           | meters       |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1700    |
| Silica, dissolved as SiO2               | 7.9    |           | mg/L as SiO2 | 0.1   | 0.4   | 6/16/2022     | 1:21 PM       | SM4500-SiO2 C   |
| Depth of Water Body                     | 4.3    |           | Meters       |       |       | 6/15/2022     | 1:05 PM       | FS2100          |
| Field Temperature by client             | 30.4   |           | °C           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total               | 1.0    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | EPA 351.2       |
| Nitrogen, Total                         | 1.0    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)             | 14     |           | mg/L         | 1     | 4     | 6/20/2022     | 1:51 PM       | SM 5310 B       |
| Phosphorus, Total                       | 0.10   |           | mg/L as P    | 0.006 | 0.024 | 6/17/2022     | 9:12 AM       | EPA 365.1       |
| Total Suspended Solids                  | 8.15   |           | mg/L         | 0.6   | 2.4   | 6/16/2022     | 6:39 AM       | SM 2540 D       |
| Turbidity (Nephelometric)               | 6.36   |           | NTU          | 0.2   | 0.8   | 6/16/2022     | 6:31 AM       | EPA 180.1       |

|                    |                  |                          |                    |
|--------------------|------------------|--------------------------|--------------------|
| Laboratory ID      | AF27202          | Collection date and time | 6/15/2022 11:15 AM |
| Location Code      | CRNEP_RSBOT      | Sample Collector         | REISTAD/JAEGER     |
| Sample Description | Grid #418 Bottom |                          |                    |

| Analyte Name                             | Result | Qualifier | Units     | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|------------------------------------------|--------|-----------|-----------|-------|-------|---------------|---------------|-----------------|
| Chlorophyll a - corrected for Pheophytin | 13.71  |           | mg/M3     | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Pheophytin                               | 41.04  |           | mg/M3     | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Biochemical Oxygen Demand 5 day          | 1.7    |           | mg/L      | 0.3   | 1.2   | 6/16/2022     | 9:53 AM       | SM 5210 B       |
| Color                                    | 52.8   |           | CU        | 1.25  | 5.00  | 6/16/2022     | 2:40 PM       | SM21 2120 C     |
| Specific Conductance, By Client          | 676    |           | µmhos/cm  |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1200     |
| Oxygen, Dissolved, Electrode, by Client  | 7.95   |           | mg/L      |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1500     |
| Enterococci                              | 10     | U         | MPN/100mL | 10    |       | 6/15/2022     | 3:03 PM       | Enterolert®     |
| Ammonia                                  | 0.026  | I         | mg/L as N | 0.014 | 0.056 | 6/16/2022     | 10:49 AM      | EPA 350.1       |
| Nitrite                                  | 0.012  |           | mg/L as N | 0.003 | 0.012 | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate                                  | 0.010  | U         | mg/L as N | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |

Report Format: NELAC

DOH #E45049



|                    |                  |                          |                    |
|--------------------|------------------|--------------------------|--------------------|
| Laboratory ID      | AF27202          | Collection date and time | 6/15/2022 11:15 AM |
| Location Code      | CRNEP_RSBOT      | Sample Collector         | REISTAD/JAEGER     |
| Sample Description | Grid #418 Bottom |                          |                    |

| Analyte Name                        | Result | Qualifier | Units        | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|-------------------------------------|--------|-----------|--------------|-------|-------|---------------|---------------|-----------------|
| Nitrate + Nitrite                   | 0.021  | I         | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrogen, Organic                   | 1.0    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN - NH3       |
| Phosphorus, Ortho                   | 0.030  |           | mg/L as P    | 0.005 | 0.020 | 6/16/2022     | 3:17 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client | 8.11   |           | units        |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1100     |
| Salinity by meter by Client         | 0.32   |           | SU           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1300    |
| Silica, dissolved as SiO2           | 8.0    |           | mg/L as SiO2 | 0.1   | 0.4   | 6/16/2022     | 1:21 PM       | SM4500-SiO2 C   |
| Depth of Water Body                 | 4.3    |           | Meters       |       |       | 6/15/2022     | 1:05 PM       | FS2100          |
| Field Temperature by client         | 29.7   |           | °C           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total           | 1.0    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | EPA 351.2       |
| Nitrogen, Total                     | 1.0    |           | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)         | 14     |           | mg/L         | 1     | 4     | 6/20/2022     | 1:51 PM       | SM 5310 B       |
| Phosphorus, Total                   | 0.11   |           | mg/L as P    | 0.006 | 0.024 | 6/17/2022     | 9:12 AM       | EPA 365.1       |
| Total Suspended Solids              | 8.00   |           | mg/L         | 0.6   | 2.4   | 6/16/2022     | 6:39 AM       | SM 2540 D       |
| Turbidity (Nephelometric)           | 10.3   |           | NTU          | 0.2   | 0.8   | 6/16/2022     | 6:31 AM       | EPA 180.1       |

|                    |           |                          |                    |
|--------------------|-----------|--------------------------|--------------------|
| Laboratory ID      | AF27203   | Collection date and time | 6/15/2022 12:10 PM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER     |
| Sample Description | Grid #435 |                          |                    |

| Analyte Name                             | Result | Qualifier | Units     | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|------------------------------------------|--------|-----------|-----------|-------|-------|---------------|---------------|-----------------|
| Chlorophyll a - corrected for Pheophytin | 34.22  |           | mg/M3     | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Pheophytin                               | 25.64  |           | mg/M3     | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Biochemical Oxygen Demand 5 day          | 3.1    |           | mg/L      | 0.3   | 1.2   | 6/16/2022     | 9:53 AM       | SM 5210 B       |
| Color                                    | 68.2   |           | CU        | 1.25  | 5.00  | 6/16/2022     | 2:40 PM       | SM21 2120 C     |
| Specific Conductance, By Client          | 552    |           | µmhos/cm  |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1200     |
| Oxygen, Dissolved, Electrode, by Client  | 10.09  |           | mg/L      |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1500     |
| Enterococci                              | 10     | U         | MPN/100mL | 10    |       | 6/15/2022     | 3:03 PM       | Enterolert®     |
| Ammonia                                  | 0.014  | U         | mg/L as N | 0.014 | 0.056 | 6/16/2022     | 10:49 AM      | EPA 350.1       |
| Nitrite                                  | 0.003  | I         | mg/L as N | 0.003 | 0.012 | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate                                  | 0.010  | U         | mg/L as N | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate + Nitrite                        | 0.010  | U         | mg/L as N | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrogen, Organic                        | 1.4    |           | mg/L as N | 0.10  | 0.4   | 6/21/2022     | 8:22 AM       | TKN - NH3       |
| Phosphorus, Ortho                        | 0.019  | I         | mg/L as P | 0.005 | 0.020 | 6/16/2022     | 3:17 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client      | 8.30   |           | units     |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1100     |
| Salinity by meter by Client              | 0.26   |           | SU        |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1300    |
| Water Clarity Secchi Disk, by Client     | 0.55   |           | meters    |       |       | 6/15/2022     | 1:05 PM       | FDEP FT 1700    |

Report Format: NELAC

DOH #E45049



|                    |           |                          |                    |
|--------------------|-----------|--------------------------|--------------------|
| Laboratory ID      | AF27203   | Collection date and time | 6/15/2022 12:10 PM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER     |
| Sample Description | Grid #435 |                          |                    |

| Analyte Name                | Result | Qualifier | Units        | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|-----------------------------|--------|-----------|--------------|-------|-------|---------------|---------------|-----------------|
| Silica, dissolved as SiO2   | 7.9    |           | mg/L as SiO2 | 0.1   | 0.4   | 6/16/2022     | 1:21 PM       | SM4500-SiO2 C   |
| Depth of Water Body         | 2.6    |           | Meters       |       |       | 6/15/2022     | 1:05 PM       | FS2100          |
| Field Temperature by client | 31.4   |           | °C           |       |       | 6/15/2022     | 1:05 PM       | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total   | 1.4    |           | mg/L as N    | 0.10  | 0.4   | 6/21/2022     | 8:22 AM       | EPA 351.2       |
| Nitrogen, Total             | 1.4    |           | mg/L as N    | 0.10  | 0.4   | 6/21/2022     | 8:22 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC) | 15     |           | mg/L         | 1     | 4     | 6/20/2022     | 1:51 PM       | SM 5310 B       |
| Phosphorus, Total           | 0.10   |           | mg/L as P    | 0.006 | 0.024 | 6/21/2022     | 8:24 AM       | EPA 365.1       |
| Total Suspended Solids      | 6.60   |           | mg/L         | 0.6   | 2.4   | 6/16/2022     | 6:39 AM       | SM 2540 D       |
| Turbidity (Nephelometric)   | 4.97   |           | NTU          | 0.2   | 0.8   | 6/16/2022     | 6:31 AM       | EPA 180.1       |

|                    |           |                          |                   |
|--------------------|-----------|--------------------------|-------------------|
| Laboratory ID      | AF27205   | Collection date and time | 6/15/2022 2:10 PM |
| Location Code      | CRNEP_EQ  | Sample Collector         | REISTAD/JAEGER    |
| Sample Description | EB Site # |                          |                   |

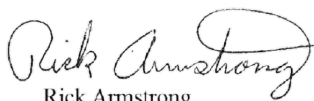
| Analyte Name                             | Result | Qualifier | Units        | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|------------------------------------------|--------|-----------|--------------|-------|-------|---------------|---------------|-----------------|
| Chlorophyll a - corrected for Pheophytin | 0.50   | U         | mg/M3        | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Pheophytin                               | 0.50   | U         | mg/M3        | 0.5   | 2.0   | 6/20/2022     | 8:00 AM       | SM21 10200 H    |
| Biochemical Oxygen Demand 5 day          | 0.3    | U         | mg/L         | 0.3   | 1.2   | 6/16/2022     | 9:53 AM       | SM 5210 B       |
| Color                                    | 1.25   | U         | CU           | 1.25  | 5.00  | 6/16/2022     | 2:40 PM       | SM21 2120 C     |
| Enterococci                              | 1      | U         | MPN/100mL    | 1     |       | 6/15/2022     | 3:03 PM       | Enterolert®     |
| Ammonia                                  | 0.014  | U         | mg/L as N    | 0.014 | 0.056 | 6/16/2022     | 10:49 AM      | EPA 350.1       |
| Nitrite                                  | 0.003  | U         | mg/L as N    | 0.003 | 0.012 | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate                                  | 0.010  | U         | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrate + Nitrite                        | 0.010  | U         | mg/L as N    | 0.01  | 0.04  | 6/16/2022     | 12:44 PM      | EPA 353.2       |
| Nitrogen, Organic                        | 0.1000 | U         | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN - NH3       |
| Phosphorus, Ortho                        | 0.005  | U         | mg/L as P    | 0.005 | 0.020 | 6/16/2022     | 3:17 PM       | EPA 365.1       |
| Silica, dissolved as SiO2                | 0.1    | U         | mg/L as SiO2 | 0.1   | 0.4   | 6/16/2022     | 1:21 PM       | SM4500-SiO2 C   |
| Nitrogen, Kjeldahl, Total                | 0.10   | U         | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | EPA 351.2       |
| Nitrogen, Total                          | 0.1000 | U         | mg/L as N    | 0.10  | 0.4   | 6/17/2022     | 9:10 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)              | 1.000  | U         | mg/L         | 1     | 4     | 6/17/2022     | 1:06 PM       | SM 5310 B       |
| Phosphorus, Total                        | 0.006  | U         | mg/L as P    | 0.006 | 0.024 | 6/17/2022     | 9:12 AM       | EPA 365.1       |
| Total Suspended Solids                   | 0.6    | U         | mg/L         | 0.6   | 2.4   | 6/16/2022     | 6:39 AM       | SM 2540 D       |
| Turbidity (Nephelometric)                | 0.20   | U         | NTU          | 0.2   | 0.8   | 6/16/2022     | 6:31 AM       | EPA 180.1       |



Qualifiers:

- I The value is less than, or equal to, the laboratory's practical quantitation limit (PQL) and greater than the minimum detection limit (MDL).  
U Indicates that the compound was analyzed for but not detected.

Unless noted otherwise, these test results meet all the requirements of the 2016 NELAC/ TNI Standards.  
The results provided herein relate only to the samples cited as they were received by the laboratory. All questions regarding this report should be directed to Rick Armstrong, Laboratory Manager.

  
Rick Armstrong  
Lab Manager  
Lee County Environmental Lab



# LCEL

Lee County Environmental Laboratory  
60 S Danley Dr Unit 2  
Fort Myers, FL 33907  
Phone: (239) 533-8600

## Analysis Request & Chain of Custody Record

Lab Certification: E45049  
LCEL F COC 20150828R1

LCEL does not accept any samples used for evidentiary purposes

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### Report/Result Information

### Billing/Invoice Information

|                                                                                  |                                                      |                                                                                                                                                       |                                                                                                                                                                        |
|----------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name:</b> FDEP - South                                                        | <b>Name:</b> DNRM                                    | <b>Matrix Codes:</b><br>DW-Drinking water<br>GW- Ground water<br>WW-Waste water<br>SW-Surface water<br>WWS-Wastewater Sludge<br>S-Sediment<br>O-Other | <b>Preservative Codes:</b><br>NP-No Preservative<br>N-Nitric Acid<br>S-Sulfuric Acid<br>H-Hydrochloric Acid<br>SH-Sodium Hydroxide<br>ST-Sodium Thiosulfate<br>O-Other |
| <b>ATTN:</b> Kirby Wolfe                                                         | RE: CCHMN-Tidal Caloosa                              |                                                                                                                                                       |                                                                                                                                                                        |
| <b>Address:</b> 2295 Victoria Ave, Suite 364<br>PO Box 2549<br>Ft Myers FL 33901 | <b>Address:</b> 1500 Monroe St<br>Ft Myers, FL 33901 |                                                                                                                                                       |                                                                                                                                                                        |
| <b>Phone:</b> (239) 344-5719                                                     | <b>Phone:</b> (239) 533-8109                         |                                                                                                                                                       |                                                                                                                                                                        |

**Sample Collector(s) (please print):**  
Nicole Reistad/Monica Jaeger

**Sample Collector Signature:**

### Analyses Required

|                              |      |      |                          |                                                                                                                                             |
|------------------------------|------|------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Relinquished By: (signature) | Date | Time | Received By: (signature) | \$Chloroa, _prep<br>O-PO4, Color, NOX<br>TOC<br>NH3, TKN, TN,<br>T-PO4, NO3, ONIT<br>Turb, NO2, TSS, Silica,<br>Bod, Bodi<br>Mug2QT, Entero |
| Relinquished By: (signature) | Date | Time | Received By: (signature) |                                                                                                                                             |
| Relinquished By: (signature) | Date | Time | Received By: (signature) |                                                                                                                                             |

### Preservatives (see codes)

Sample(s) on ice ☒ Yes or ☐ No? Temperature °C: 6.1

| Collection Date | Time | Sample Description & Location       | Matrix (see codes) | # of Sample Containers Submitted |   |   |   |   |   | Lab ID # |
|-----------------|------|-------------------------------------|--------------------|----------------------------------|---|---|---|---|---|----------|
| 06/15/22        | 1305 | CRNEP_RS #463                       | SWE                | 1                                | 1 | 1 | 1 | 2 | 1 | AF27198  |
| 06/15/22        | 1140 | CRNEP_RS #428                       | SWE                | 1                                | 1 | 1 | 1 | 2 | 1 | AF27199  |
| 06/15/22        | 0920 | CRNEP_RS #387                       | SWE                | 1                                | 1 | 1 | 1 | 2 | 1 | AF27200  |
| 06/15/22        | 1055 | CRNEP_RS #418                       | SWE                | 1                                | 1 | 1 | 1 | 2 | 1 | AF27201  |
| 06/15/22        | 1115 | CRNEP_RSBOT #418 Bottom             | SWE                | 1                                | 1 | 1 | 1 | 2 | 1 | AF27202  |
| 06/15/22        | 1210 | CRNEP_RS #435                       | SWE                | 1                                | 1 | 1 | 1 | 2 | 1 | AF27203  |
|                 |      | CRNEP_RSBOT #435 Bottom NOT SAMPLED | SWE                | 1                                | 1 | 1 | 1 | 2 | 1 | AF27204  |
| 06/15/22        | 1410 | CRNEP_EQ #                          | SWE                | 1                                | 1 | 1 | 1 | 2 | 1 | AF24205  |
|                 |      |                                     |                    |                                  |   |   |   |   |   |          |

**SAMPLES SHOULD BE IN WET ICE & LESS THAN 6° C (42.8°F)  
OR THEY MAYBE QUALIFIED\***

\*Qualified = the data may not be accurate and regulatory agencies may not accept qualified data.