

# 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: 2/21/2024

Below are the results of samples submitted to this laboratory on 2/7/2024

|                    |           |                          |                   |
|--------------------|-----------|--------------------------|-------------------|
| Laboratory ID      | AF82185   | Collection date and time | 2/7/2024 10:40 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER    |
| Sample Description | Grid #443 |                          |                   |

| Analyte Name                             | Result | Qualifier | Units     | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|------------------------------------------|--------|-----------|-----------|-------|-------|---------------|---------------|-----------------|
| Chlorophyll a - corrected for Pheophytin | 0.68   | I         | mg/M3     | 0.5   | 2.0   | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Pheophytin                               | 3.39   |           | mg/M3     | 0.5   | 2.0   | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Dissolved Oxygen % Saturation by Client  | 91.7   |           | %         | 0.1   |       | 2/7/2024      | 10:40 AM      | FDEP FT1500     |
| Biochemical Oxygen Demand 5 day          | 0.7    | I         | mg/L      | 0.3   | 1.2   | 2/8/2024      | 7:48 AM       | SM5210B-2016    |
| Color                                    | 134    |           | CU        | 1.25  | 5.00  | 2/8/2024      | 8:12 AM       | SM21 2120 C     |
| Specific Conductance, By Client          | 500    |           | µmhos/cm  |       |       | 2/7/2024      | 10:40 AM      | FDEP FT1200     |
| Oxygen, Dissolved, Electrode, by Client  | 8.66   |           | mg/L      |       |       | 2/7/2024      | 10:40 AM      | FDEP FT1500     |
| Enterococci                              | 10     | U         | MPN/100mL | 10    |       | 2/7/2024      | 2:13 PM       | Enterolert®     |
| Ammonia as N                             | 0.182  |           | mg/L as N | 0.014 | 0.056 | 2/8/2024      | 8:24 AM       | EPA 350.1       |
| Nitrite as N                             | 0.008  | I         | mg/L as N | 0.003 | 0.012 | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate as N                             | 0.233  |           | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate + Nitrite as N                   | 0.241  |           | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrogen, Organic                        | 0.92   |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN - NH3       |
| Phosphorus, Ortho as P                   | 0.064  |           | mg/L as P | 0.005 | 0.020 | 2/8/2024      | 1:53 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client      | 7.73   |           | units     |       |       | 2/7/2024      | 10:40 AM      | FDEP FT1100     |
| Salinity by meter by Client              | 0.24   |           | SU        |       |       | 2/7/2024      | 10:40 AM      | FDEP FT 1300    |
| Water Clarity Secchi Disk, by Client     | 0.6    |           | meters    |       |       | 2/7/2024      | 10:40 AM      | FDEP FT 1700    |
| Depth of Water Body                      | 1.3    |           | Meters    |       |       | 2/7/2024      | 10:40 AM      | FS2100          |
| Field Temperature by client              | 18.6   |           | °C        |       |       | 2/7/2024      | 10:40 AM      | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total                | 1.1    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | EPA 351.2       |
| Nitrogen, Total                          | 1.3    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)              | 18     |           | mg/L      | 1     | 4     | 2/14/2024     | 11:31 AM      | SM5310B-2014    |
| Phosphorus, Total as P                   | 0.086  |           | mg/L as P | 0.006 | 0.024 | 2/19/2024     | 8:53 AM       | EPA 365.1       |

Report Format: NELAC

DOH #E45049



|                    |           |                          |                |          |
|--------------------|-----------|--------------------------|----------------|----------|
| Laboratory ID      | AF82185   | Collection date and time | 2/7/2024       | 10:40 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER |          |
| Sample Description | Grid #443 |                          |                |          |

| Analyte Name              | Result | Qualifier | Units | MDL | PQL | Analysis Date | Analysis Time | Analysis Method |
|---------------------------|--------|-----------|-------|-----|-----|---------------|---------------|-----------------|
| Total Suspended Solids    | 5.50   |           | mg/L  | 0.6 | 2.4 | 2/9/2024      | 8:33 AM       | SM2540D-2015    |
| Turbidity (Nephelometric) | 3.62   |           | NTU   | 0.2 | 0.8 | 2/8/2024      | 10:38 AM      | EPA 180.1       |

|                    |           |                          |                |          |
|--------------------|-----------|--------------------------|----------------|----------|
| Laboratory ID      | AF82186   | Collection date and time | 2/7/2024       | 11:25 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER |          |
| Sample Description | Grid #455 |                          |                |          |

| Analyte Name                             | Result | Qualifier | Units     | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|------------------------------------------|--------|-----------|-----------|-------|-------|---------------|---------------|-----------------|
| Chlorophyll a - corrected for Pheophytin | 0.70   | I         | mg/M3     | 0.5   | 2.0   | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Pheophytin                               | 3.54   |           | mg/M3     | 0.5   | 2.0   | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Dissolved Oxygen % Saturation by Client  | 85.6   |           | %         | 0.1   |       | 2/7/2024      | 11:25 AM      | FDEP FT1500     |
| Biochemical Oxygen Demand 5 day          | 0.5    | I         | mg/L      | 0.3   | 1.2   | 2/8/2024      | 7:48 AM       | SM5210B-2016    |
| Color                                    | 112    |           | CU        | 1.25  | 5.00  | 2/8/2024      | 8:12 AM       | SM21 2120 C     |
| Specific Conductance, By Client          | 500    |           | µmhos/cm  |       |       | 2/7/2024      | 11:25 AM      | FDEP FT1200     |
| Oxygen, Dissolved, Electrode, by Client  | 7.81   |           | mg/L      |       |       | 2/7/2024      | 11:25 AM      | FDEP FT1500     |
| Enterococci                              | 10     |           | MPN/100mL | 10    |       | 2/7/2024      | 2:13 PM       | Enterolert®     |
| Ammonia as N                             | 0.014  | U         | mg/L as N | 0.014 | 0.056 | 2/8/2024      | 8:24 AM       | EPA 350.1       |
| Nitrite as N                             | 0.014  |           | mg/L as N | 0.003 | 0.012 | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate as N                             | 0.216  |           | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate + Nitrite as N                   | 0.230  |           | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrogen, Organic                        | 1.1    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN - NH3       |
| Phosphorus, Ortho as P                   | 0.062  |           | mg/L as P | 0.005 | 0.020 | 2/8/2024      | 1:53 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client      | 7.73   |           | units     |       |       | 2/7/2024      | 11:25 AM      | FDEP FT1100     |
| Salinity by meter by Client              | 0.25   |           | SU        |       |       | 2/7/2024      | 11:25 AM      | FDEP FT 1300    |
| Water Clarity Secchi Disk, by Client     | 0.65   |           | meters    |       |       | 2/7/2024      | 11:25 AM      | FDEP FT 1700    |
| Depth of Water Body                      | 1.5    |           | Meters    |       |       | 2/7/2024      | 11:25 AM      | FS2100          |
| Field Temperature by client              | 19.8   |           | °C        |       |       | 2/7/2024      | 11:25 AM      | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total                | 1.1    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | EPA 351.2       |
| Nitrogen, Total                          | 1.3    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)              | 18     |           | mg/L      | 1     | 4     | 2/14/2024     | 11:31 AM      | SM5310B-2014    |
| Phosphorus, Total as P                   | 0.083  |           | mg/L as P | 0.006 | 0.024 | 2/19/2024     | 8:53 AM       | EPA 365.1       |
| Total Suspended Solids                   | 4.15   |           | mg/L      | 0.6   | 2.4   | 2/9/2024      | 8:33 AM       | SM2540D-2015    |
| Turbidity (Nephelometric)                | 3.06   |           | NTU       | 0.2   | 0.8   | 2/8/2024      | 10:38 AM      | EPA 180.1       |



|                    |           |                          |                |          |
|--------------------|-----------|--------------------------|----------------|----------|
| Laboratory ID      | AF82188   | Collection date and time | 2/7/2024       | 12:00 PM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER |          |
| Sample Description | Grid #456 |                          |                |          |

| 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   | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Pheophytin                               | 5.03   |           | mg/M3     | 0.5   | 2.0   | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Dissolved Oxygen % Saturation by Client  | 88.4   | I         | %         | 0.1   |       | 2/7/2024      | 12:00 PM      | FDEP FT1500     |
| Biochemical Oxygen Demand 5 day          | 0.7    |           | mg/L      | 0.3   | 1.2   | 2/8/2024      | 7:48 AM       | SM5210B-2016    |
| Color                                    | 99.4   |           | CU        | 1.25  | 5.00  | 2/8/2024      | 8:12 AM       | SM21 2120 C     |
| Specific Conductance, By Client          | 500    |           | µmhos/cm  |       |       | 2/7/2024      | 12:00 PM      | FDEP FT1200     |
| Oxygen, Dissolved, Electrode, by Client  | 7.58   | U         | mg/L      |       |       | 2/7/2024      | 12:00 PM      | FDEP FT1500     |
| Enterococci                              | 10     |           | MPN/100mL | 10    |       | 2/7/2024      | 2:13 PM       | Enterolert®     |
| Ammonia as N                             | 0.014  |           | mg/L as N | 0.014 | 0.056 | 2/8/2024      | 8:24 AM       | EPA 350.1       |
| Nitrite as N                             | 0.018  |           | mg/L as N | 0.003 | 0.012 | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate as N                             | 0.191  |           | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate + Nitrite as N                   | 0.209  |           | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrogen, Organic                        | 1.0    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN - NH3       |
| Phosphorus, Ortho as P                   | 0.055  |           | mg/L as P | 0.005 | 0.020 | 2/8/2024      | 1:53 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client      | 7.72   |           | units     |       |       | 2/7/2024      | 12:00 PM      | FDEP FT1100     |
| Salinity by meter by Client              | 0.26   |           | SU        |       |       | 2/7/2024      | 12:00 PM      | FDEP FT 1300    |
| Water Clarity Secchi Disk, by Client     | 0.8    |           | meters    |       |       | 2/7/2024      | 12:00 PM      | FDEP FT 1700    |
| Depth of Water Body                      | 5.5    |           | Meters    |       |       | 2/7/2024      | 12:00 PM      | FS2100          |
| Field Temperature by client              | 23.0   |           | °C        |       |       | 2/7/2024      | 12:00 PM      | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total                | 1.0    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | EPA 351.2       |
| Nitrogen, Total                          | 1.2    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)              | 17     |           | mg/L      | 1     | 4     | 2/14/2024     | 11:31 AM      | SM5310B-2014    |
| Phosphorus, Total as P                   | 0.081  |           | mg/L as P | 0.006 | 0.024 | 2/19/2024     | 8:53 AM       | EPA 365.1       |
| Total Suspended Solids                   | 3.55   |           | mg/L      | 0.6   | 2.4   | 2/9/2024      | 8:33 AM       | SM2540D-2015    |
| Turbidity (Nephelometric)                | 2.70   |           | NTU       | 0.2   | 0.8   | 2/8/2024      | 10:38 AM      | EPA 180.1       |

|                    |           |                          |                |         |
|--------------------|-----------|--------------------------|----------------|---------|
| Laboratory ID      | AF82189   | Collection date and time | 2/7/2024       | 9:30 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER |         |
| Sample Description | Grid #417 |                          |                |         |

| 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  | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Pheophytin                               | 2.68   |           | mg/M3 | 0.5  | 2.0  | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Dissolved Oxygen % Saturation by Client  | 94.0   | I         | %     | 0.1  |      | 2/7/2024      | 9:30 AM       | FDEP FT1500     |
| Biochemical Oxygen Demand 5 day          | 0.6    |           | mg/L  | 0.3  | 1.2  | 2/8/2024      | 7:48 AM       | SM5210B-2016    |
| Color                                    | 111    |           | CU    | 1.25 | 5.00 | 2/8/2024      | 8:12 AM       | SM21 2120 C     |

Report Format: NELAC

DOH #E45049



|                    |           |                          |                  |
|--------------------|-----------|--------------------------|------------------|
| Laboratory ID      | AF82189   | Collection date and time | 2/7/2024 9:30 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER   |
| Sample Description | Grid #417 |                          |                  |

| Analyte Name                            | Result | Qualifier | Units     | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|-----------------------------------------|--------|-----------|-----------|-------|-------|---------------|---------------|-----------------|
| Specific Conductance, By Client         | 5600   |           | µmhos/cm  |       |       | 2/7/2024      | 9:30 AM       | FDEP FT1200     |
| Oxygen, Dissolved, Electrode, by Client | 8.89   |           | mg/L      |       |       | 2/7/2024      | 9:30 AM       | FDEP FT1500     |
| Enterococci                             | 10     | U         | MPN/100mL | 10    |       | 2/7/2024      | 2:13 PM       | Enterolert®     |
| Ammonia as N                            | 0.014  | U         | mg/L as N | 0.014 | 0.056 | 2/8/2024      | 8:24 AM       | EPA 350.1       |
| Nitrite as N                            | 0.009  | I         | mg/L as N | 0.003 | 0.012 | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate as N                            | 0.110  |           | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate + Nitrite as N                  | 0.119  |           | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrogen, Organic                       | 0.92   |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN - NH3       |
| Phosphorus, Ortho as P                  | 0.061  |           | mg/L as P | 0.005 | 0.020 | 2/8/2024      | 1:53 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client     | 7.78   |           | units     |       |       | 2/7/2024      | 9:30 AM       | FDEP FT1100     |
| Salinity by meter by Client             | 3.03   |           | SU        |       |       | 2/7/2024      | 9:30 AM       | FDEP FT 1300    |
| Water Clarity Secchi Disk, by Client    | 0.7    |           | meters    |       |       | 2/7/2024      | 9:30 AM       | FDEP FT 1700    |
| Depth of Water Body                     | 1.0    |           | Meters    |       |       | 2/7/2024      | 9:30 AM       | FS2100          |
| Field Temperature by client             | 17.1   |           | °C        |       |       | 2/7/2024      | 9:30 AM       | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total               | 0.92   |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | EPA 351.2       |
| Nitrogen, Total                         | 1.0    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)             | 15     |           | mg/L      | 1     | 4     | 2/14/2024     | 11:31 AM      | SM5310B-2014    |
| Phosphorus, Total as P                  | 0.078  |           | mg/L as P | 0.006 | 0.024 | 2/19/2024     | 8:53 AM       | EPA 365.1       |
| Total Suspended Solids                  | 2.40   | I         | mg/L      | 0.6   | 2.4   | 2/9/2024      | 8:33 AM       | SM2540D-2015    |
| Turbidity (Nephelometric)               | 2.14   |           | NTU       | 0.2   | 0.8   | 2/8/2024      | 10:38 AM      | EPA 180.1       |

|                    |           |                          |                   |
|--------------------|-----------|--------------------------|-------------------|
| Laboratory ID      | AF82190   | Collection date and time | 2/7/2024 10:10 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER    |
| Sample Description | Grid #436 |                          |                   |

| Analyte Name                             | Result | Qualifier | Units     | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|------------------------------------------|--------|-----------|-----------|-------|-------|---------------|---------------|-----------------|
| Chlorophyll a - corrected for Pheophytin | 0.57   | I         | mg/M3     | 0.5   | 2.0   | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Pheophytin                               | 11.74  |           | mg/M3     | 0.5   | 2.0   | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Dissolved Oxygen % Saturation by Client  | 88.0   |           | %         | 0.1   |       | 2/7/2024      | 10:10 AM      | FDEP FT1500     |
| Biochemical Oxygen Demand 5 day          | 0.6    | I         | mg/L      | 0.3   | 1.2   | 2/8/2024      | 7:48 AM       | SM5210B-2016    |
| Color                                    | 133    |           | CU        | 1.25  | 5.00  | 2/8/2024      | 8:12 AM       | SM21 2120 C     |
| Specific Conductance, By Client          | 600    |           | µmhos/cm  |       |       | 2/7/2024      | 10:10 AM      | FDEP FT1200     |
| Oxygen, Dissolved, Electrode, by Client  | 8.47   |           | mg/L      |       |       | 2/7/2024      | 10:10 AM      | FDEP FT1500     |
| Enterococci                              | 75     | J3        | MPN/100mL | 10    |       | 2/7/2024      | 2:13 PM       | Enterolert®     |
| Ammonia as N                             | 0.014  | U         | mg/L as N | 0.014 | 0.056 | 2/8/2024      | 8:24 AM       | EPA 350.1       |
| Nitrite as N                             | 0.009  | I         | mg/L as N | 0.003 | 0.012 | 2/7/2024      | 2:10 PM       | EPA 353.2       |

Report Format: NELAC

DOH #E45049



|                    |           |                          |                   |
|--------------------|-----------|--------------------------|-------------------|
| Laboratory ID      | AF82190   | Collection date and time | 2/7/2024 10:10 AM |
| Location Code      | CRNEP_RS  | Sample Collector         | REISTAD/JAEGER    |
| Sample Description | Grid #436 |                          |                   |

| Analyte Name                         | Result | Qualifier | Units     | MDL   | PQL   | Analysis Date | Analysis Time | Analysis Method |
|--------------------------------------|--------|-----------|-----------|-------|-------|---------------|---------------|-----------------|
| Nitrate as N                         | 0.157  |           | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate + Nitrite as N               | 0.166  |           | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrogen, Organic                    | 1.1    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN - NH3       |
| Phosphorus, Ortho as P               | 0.077  |           | mg/L as P | 0.005 | 0.020 | 2/8/2024      | 1:53 PM       | EPA 365.1       |
| pH, Field (electrometric) by Client  | 7.82   |           | units     |       |       | 2/7/2024      | 10:10 AM      | FDEP FT1100     |
| Salinity by meter by Client          | 0.28   |           | SU        |       |       | 2/7/2024      | 10:10 AM      | FDEP FT 1300    |
| Water Clarity Secchi Disk, by Client | 0.45   |           | meters    |       |       | 2/7/2024      | 10:10 AM      | FDEP FT 1700    |
| Depth of Water Body                  | 1.0    |           | Meters    |       |       | 2/7/2024      | 10:10 AM      | FS2100          |
| Field Temperature by client          | 17.1   |           | °C        |       |       | 2/7/2024      | 10:10 AM      | FDEP FT1400     |
| Nitrogen, Kjeldahl, Total            | 1.1    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | EPA 351.2       |
| Nitrogen, Total                      | 1.3    |           | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)          | 17     |           | mg/L      | 1     | 4     | 2/14/2024     | 11:31 AM      | SM5310B-2014    |
| Phosphorus, Total as P               | 0.14   |           | mg/L as P | 0.006 | 0.024 | 2/19/2024     | 8:53 AM       | EPA 365.1       |
| Total Suspended Solids               | 19.1   |           | mg/L      | 0.6   | 2.4   | 2/9/2024      | 8:33 AM       | SM2540D-2015    |
| Turbidity (Nephelometric)            | 10.5   |           | NTU       | 0.2   | 0.8   | 2/8/2024      | 10:38 AM      | EPA 180.1       |

|                    |              |                          |                  |
|--------------------|--------------|--------------------------|------------------|
| Laboratory ID      | AF82191      | Collection date and time | 2/7/2024 1:15 PM |
| Location Code      | CRNEP_EQ     | Sample Collector         | REISTAD/JAEGER   |
| Sample Description | EB Site #456 |                          |                  |

| 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   | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Pheophytin                               | 0.50   | U         | mg/M3     | 0.5   | 2.0   | 2/15/2024     | 7:22 AM       | SM10200H-2011   |
| Biochemical Oxygen Demand 5 day          | 0.3    | U         | mg/L      | 0.3   | 1.2   | 2/8/2024      | 7:48 AM       | SM5210B-2016    |
| Color                                    | 1.25   | U         | CU        | 1.25  | 5.00  | 2/8/2024      | 8:12 AM       | SM21 2120 C     |
| Enterococci                              | 1      | U         | MPN/100mL | 1     |       | 2/7/2024      | 2:13 PM       | Enterolert®     |
| Ammonia as N                             | 0.014  | U         | mg/L as N | 0.014 | 0.056 | 2/8/2024      | 8:24 AM       | EPA 350.1       |
| Nitrite as N                             | 0.003  | U         | mg/L as N | 0.003 | 0.012 | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate as N                             | 0.010  | U         | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrate + Nitrite as N                   | 0.010  | U         | mg/L as N | 0.01  | 0.04  | 2/7/2024      | 2:10 PM       | EPA 353.2       |
| Nitrogen, Organic                        | 0.100  | U         | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN - NH3       |
| Phosphorus, Ortho as P                   | 0.005  | U         | mg/L as P | 0.005 | 0.020 | 2/8/2024      | 1:53 PM       | EPA 365.1       |
| Nitrogen, Kjeldahl, Total                | 0.10   | U         | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | EPA 351.2       |
| Nitrogen, Total                          | 0.100  | U         | mg/L as N | 0.10  | 0.4   | 2/19/2024     | 8:51 AM       | TKN + NOX       |
| Total Organic Carbon (NPOC)              | 1.000  | U         | mg/L      | 1     | 4     | 2/14/2024     | 11:31 AM      | SM5310B-2014    |
| Phosphorus, Total as P                   | 0.006  | U         | mg/L as P | 0.006 | 0.024 | 2/19/2024     | 8:53 AM       | EPA 365.1       |

Report Format: NELAC

DOH #E45049



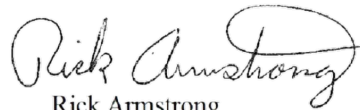
|                    |              |                          |                  |
|--------------------|--------------|--------------------------|------------------|
| Laboratory ID      | AF82191      | Collection date and time | 2/7/2024 1:15 PM |
| Location Code      | CRNEP_EQ     | Sample Collector         | REISTAD/JAEGER   |
| Sample Description | EB Site #456 |                          |                  |

| Analyte Name              | Result | Qualifier | Units | MDL | PQL | Analysis Date | Analysis Time | Analysis Method |
|---------------------------|--------|-----------|-------|-----|-----|---------------|---------------|-----------------|
| Total Suspended Solids    | 0.6    | U         | mg/L  | 0.6 | 2.4 | 2/9/2024      | 8:33 AM       | SM2540D-2015    |
| Turbidity (Nephelometric) | 0.20   | U         | NTU   | 0.2 | 0.8 | 2/8/2024      | 10:38 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).
- J3 The reported value failed to meet the established quality control criteria for either precision or accuracy.
- 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

### Report/Result Information

### Billing/Invoice Information

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|                                                                                                                             |             |                                                      |  |                                                                                                                                                       |  |                                                                                                                                                                        |              |                                                                                                                             |                                  |                 |              |                    |    |
|-----------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------|--------------|--------------------|----|
| <b>Name:</b> Tidal Caloosa                                                                                                  |             | <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>Distrib List:</b> FDEP - South                                                                                           |             | <b>RE:</b> 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                         |  |                                                                                                                                                       |  |                                                                                                                                                                        |              |                                                                                                                             |                                  |                 |              |                    |    |
| <b>Sample Collector(s) (please print):</b><br>Nicole Reistad/Monica Jaeger                                                  |             |                                                      |  | <b>Sample Collector Signature:</b>                                                                                                                    |  |                                                                                                                                                                        |              | <b>Analyses Required</b>                                                                                                    |                                  |                 |              |                    |    |
| <b>Relinquished By: (signature)</b>                                                                                         |             | <b>Date</b>                                          |  | <b>Time</b>                                                                                                                                           |  | <b>Received By: (signature)</b>                                                                                                                                        |              |                                                                                                                             |                                  |                 |              |                    |    |
| <b>Relinquished By: (signature)</b>                                                                                         |             | <b>Date</b>                                          |  | <b>Time</b>                                                                                                                                           |  | <b>Received By: (signature)</b>                                                                                                                                        |              | \$Chloroa, _prep<br>O-PO4, Color, NOX<br>TOC<br>NH3, TKN, TN,<br>T-PO4, NO3, ONIT<br>Turb, NO2, TSS,<br>Bod, Bodi<br>Entero | <b>Preservatives (see codes)</b> |                 |              |                    |    |
| <b>Relinquished By: (signature)</b>                                                                                         |             | <b>Date</b>                                          |  | <b>Time</b>                                                                                                                                           |  | <b>Received By: (signature)</b>                                                                                                                                        |              |                                                                                                                             |                                  |                 |              |                    |    |
| <b>Sample(s) on ice</b> <input checked="" type="checkbox"/> Yes or <input type="checkbox"/> No? <b>Temperature °C:</b> 2.92 |             |                                                      |  |                                                                                                                                                       |  |                                                                                                                                                                        |              | NP                                                                                                                          | NPF                              | S               | S            | NP                 | ST |
| <b>Collection</b>                                                                                                           |             | <b>Sample Description &amp; Location</b>             |  | <b>Matrix</b><br>(see codes)                                                                                                                          |  | <b># of Sample Containers Submitted</b>                                                                                                                                |              |                                                                                                                             |                                  | <b>Lab ID #</b> |              |                    |    |
| <b>Date</b>                                                                                                                 | <b>Time</b> |                                                      |  |                                                                                                                                                       |  |                                                                                                                                                                        |              |                                                                                                                             |                                  |                 |              |                    |    |
| 02/07/24                                                                                                                    | 1040        | CRNEP_RS #443                                        |  | SWE                                                                                                                                                   |  | 1                                                                                                                                                                      | 1            | 1                                                                                                                           | 1                                | 2               | 1            | AF82185            |    |
| 02/07/24                                                                                                                    | 1125        | CRNEP_RS #455                                        |  | SWE                                                                                                                                                   |  | 1                                                                                                                                                                      | 1            | 1                                                                                                                           | 1                                | 2               | 1            | AF82186            |    |
|                                                                                                                             |             | CRNEP_RSBOT #455 Bottom <i>DID NOT SAMPLE</i>        |  | <del>SWE</del>                                                                                                                                        |  | <del>1</del>                                                                                                                                                           | <del>1</del> | <del>1</del>                                                                                                                | <del>1</del>                     | <del>2</del>    | <del>1</del> | <del>AF82187</del> |    |
| 02/07/24                                                                                                                    | 1200        | CRNEP_RS #456                                        |  | SWE                                                                                                                                                   |  | 1                                                                                                                                                                      | 1            | 1                                                                                                                           | 1                                | 2               | 1            | AF82188            |    |
| 02/07/24                                                                                                                    | 0930        | CRNEP_RS #417                                        |  | SWE                                                                                                                                                   |  | 1                                                                                                                                                                      | 1            | 1                                                                                                                           | 1                                | 2               | 1            | AF82189            |    |
| 02/07/24                                                                                                                    | 1010        | CRNEP_RS #436                                        |  | SWE                                                                                                                                                   |  | 1                                                                                                                                                                      | 1            | 1                                                                                                                           | 1                                | 2               | 1            | AF82190            |    |
| 02/07/24                                                                                                                    | 1315        | CRNEP_EQ # <i>2456</i>                               |  | SWE                                                                                                                                                   |  | 1                                                                                                                                                                      | 1            | 1                                                                                                                           | 1                                | 2               | 1            | AF82191            |    |
|                                                                                                                             |             |                                                      |  |                                                                                                                                                       |  |                                                                                                                                                                        |              |                                                                                                                             |                                  |                 |              |                    |    |
|                                                                                                                             |             |                                                      |  |                                                                                                                                                       |  |                                                                                                                                                                        |              |                                                                                                                             |                                  |                 |              |                    |    |

**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.