

**13. CITY MANAGER**

a. Informational Items

- ii. Charlotte Harbor verified impaired waters list

Charlotte Harbor Group 2 Basin: Draft Verified List  
Hydrologic Unit: Charlotte Harbor

| Planning Unit           | WBD   | Waterbody Segment                   | Waterbody Type | Waterbody Class <sup>1</sup> | 1998 304(d) Parameters of Concern | Parameters Assessed Using the 2001 Impaired Surface Waters Rule (ISWR) | Dissolved Oxygen/Nutrient/Bio-Pollutant of Concern | DO/Biology TN, TP, BOD Median Values (mg/L)                                    | Exceeded Criterion or Threshold Concentration                        | EPA's Integrated Report Category <sup>2</sup> | Priority of TMDL Development | Planning Period (# of Exceedances/ # of Samples) <sup>3</sup> | Verified Period (# of Exceedances/ # of Samples) <sup>3</sup> |
|-------------------------|-------|-------------------------------------|----------------|------------------------------|-----------------------------------|--|--|--|--|---|------------------------------|---|---|
| Charlotte Harbor Proper | 20683 | ALLIGATOR CREEK (NORTH FORK)        | ESTUARY        | 3M                           |                                   | Dissolved Oxygen   |  | Median TN = 0.77 (n=94), Median TP = 0.13 (n=85), and Median BOD = 1.35 (n=24) | <5.0 mg/L  | 5   | Medium                       | 43/105  | 40/105  |
| Charlotte Harbor Proper | 2065A | CHARLOTTE HARBOR (UPPER SEGMENT)    | ESTUARY        | 2                            |                                   | Mercury (In Fish Tissue)   |  |  | Hg > 0.3 mg/Kg   | 5   | Low                          | No Data   | No Data   |
| Charlotte Harbor Proper | 2065A | CHARLOTTE HARBOR (UPPER SEGMENT)    | ESTUARY        | 2                            |                                   | Iron   |  |  | <0.3 mg/L  | 5   | Medium                       | 22/79   | 33/98   |
| Charlotte Harbor Proper | 2065A | CHARLOTTE HARBOR (UPPER SEGMENT)    | ESTUARY        | 2                            |                                   | Nutrients (Chlorophyll-a)  |  |  | TN = 0.729 mg/L<br>TP = 0.185 mg/L                                   | 5   | Medium                       | Potentially Impaired  | Impaired  |
| Charlotte Harbor Proper | 2065B | CHARLOTTE HARBOR (MIDDLE SEGMENT)   | ESTUARY        | 2                            |                                   | Mercury (In Fish Tissue)   |  |  | Hg > 0.3 mg/Kg   | 5   | Low                          | No Data   | No Data   |
| Charlotte Harbor Proper | 2065C | CHARLOTTE HARBOR (MIDDLE SEGMENT 2) | ESTUARY        | 2                            |                                   | Bacteria (Shellfish)   |  |  | Exceeds Shellfish Evaluation & Assessment Section (SEAS) Thresholds. | 5   | Medium                       |   |   |
| Charlotte Harbor Proper | 2065C | CHARLOTTE HARBOR (MIDDLE SEGMENT 2) | ESTUARY        | 2                            |                                   | Mercury (In Fish Tissue)   |  |  | Hg > 0.3 mg/Kg   | 5   | Low                          | No Data   | No Data   |
| Charlotte Harbor Proper | 2065D | CHARLOTTE HARBOR (LOWER SEGMENT 1)  | ESTUARY        | 2                            |                                   | Mercury (In Fish Tissue)   |  |  | Hg > 0.3 mg/Kg   | 5   | Low                          | No Data   | No Data   |
| Charlotte Harbor Proper | 2071  | NO. PRONG ALLIGATOR CR              | STREAM         | 1                            | Coliforms                         | Fecal Coliform   |  |  | >400 cfu/100mL   | 5   | Low                          | 0/1   | 10/25   |
| Charlotte Harbor Proper | 2073  | MANRSOYE POINT CANAL                | ESTUARY        | 3M                           |                                   | Mercury (In Fish Tissue)   |  |  |  | 5   | Low                          | No Data   | No Data   |
| Charlotte Harbor Proper | 2074  | ALLIGATOR CREEK                     | STREAM         | 1                            |                                   | Dissolved Solids   |  |  | Hg > 0.3 mg/Kg<br><500 mg/L as a monthly avg.; <1,000 mg/L max.      | 5   | Medium                       | 47/119  | 27/79   |
| Charlotte Harbor Proper | 2074  | ALLIGATOR CREEK                     | STREAM         | 1                            |                                   | Iron   |  |  | <0.3 mg/L  | 5   | Medium                       | 18/48   | 20/49   |
| Charlotte Harbor Proper | 2087  | DIRECT RUNOFF TO BAY                | ESTUARY        | 3M                           |                                   | Mercury (In Fish Tissue)   |  |  | Hg > 0.3 mg/Kg   | 5   | Low                          | No Data   | No Data   |
| Charlotte Harbor Proper | 2090  | DIRECT RUNOFF TO BAY                | ESTUARY        | 3M                           |                                   | Mercury (In Fish Tissue)   |  |  | Hg > 0.3 mg/Kg   | 5   | Low                          | No Data   | No Data   |

Charlotte Harbor Group 2 Basin: Draft Verified List  
Hydrologic Unit: Charlotte Harbor

| Planting Unit           | WBD   | Waterbody Segment                                   | Waterbody Type | Waterbody Class <sup>1</sup> | 1998 303(d) Parameters of Concern | Parameters Assessed Using the 2001 Impaired Surface Waters Rule (ISWR) | Disseminated Oxygen/Nutrient/BI Odor Pollutant of Concern | DO/Biology/TN, TP, BOD Median Values (mg/L)                                   | Exceeded Criterion or Threshold Concentration                       | EPA's Integrated Report Category <sup>2</sup> | Priority of TMDL Development | Planting Period (# of Exceedances/ <sup>3</sup> # of Samples) <sup>3</sup> | Verified Period (# of Exceedances/ <sup>3</sup> # of Samples) <sup>3</sup> |
|-------------------------|-------|---|----------------|------------------------------|-----------------------------------|--|---|---|---|---|------------------------------|--|--|
| Charlotte Harbor Proper | 2092B | GASPARRILLA ISLAND                                  | ESTUARY        | 3M                           |                                   | Mercury (In Fish Tissue)   |   |   | Hg > 0.3 mg/Kg  | 5   | Low                          | No Data  | No Data  |
| Charlotte Harbor Proper | 8055  | GULF OF MEXICO (CHARLOTTE COUNTY, CHARLOTTE HARBOR) | COASTAL        | 3M                           |                                   | Mercury (In Fish Tissue)   |   |   | Hg > 0.3 mg/Kg  | 5   | Low                          | No Data  | No Data  |
|                         |       |   |                |                              |                                   |  |   |   |   |   |                              |  |  |
| Lemon Bay               | 1983A | LEMON BAY   | ESTUARY        | 2                            |                                   | Fecal Coliform   |   |   | >400 cfu/100mL  | 5   | Medium                       | 51/529   | 347/186  |
| Lemon Bay               | 1983A | LEMON BAY   | ESTUARY        | 2                            |                                   | Mercury (In Fish Tissue)   |   |   | Hg > 0.3 mg/Kg  | 5   | Low                          | No Data  | No Data  |
| Lemon Bay               | 1983A | NORTH LEMON BAY                                     | ESTUARY        | 3M                           |                                   | Nutrients (Chlorophyll-a)  |   |   | TN = 0.33 mg/L<br>TP = 0.24 mg/L<br>BOD = 1.4                       | 5   | Medium                       |  | Impaired   |
| Lemon Bay               | 1983B | LEMON BAY   | ESTUARY        | 2                            |                                   | Bacteria (Shellfish)   |   |   | Exceeds Shellfish Evaluation & Assessment Section (SEAS) Thresholds | 5   | Medium                       |  |  |
| Lemon Bay               | 1983B | LEMON BAY   | ESTUARY        | 2                            |                                   | Mercury (In Fish Tissue)   |   |   | Hg > 0.3 mg/Kg  | 5   | Low                          | No Data  | No Data  |
| Lemon Bay               | 2021  | DIRECT RUNOFF TO BAY                                | ESTUARY        | 3M                           |                                   | Mercury (In Fish Tissue)   |   |   | Hg > 0.3 mg/Kg  | 5   | Low                          | No Data  | No Data  |
| Lemon Bay               | 2030  | ALLIGATOR CREEK TIDAL                               | ESTUARY        | 3M                           |                                   | Dissolved Oxygen   | TN, BOD   | median TN = 1.01 (n=92), median TP = 0.2 (n=93), and median BOD = 3.45 (n=18) | <5.0 mg/L   | 5   | Medium                       | 62/84  | 75/100   |
| Lemon Bay               | 2030  | ALLIGATOR CREEK TIDAL                               | ESTUARY        | 3M                           |                                   | Fecal Coliform   |   |   | >400 cfu/100mL  | 5   | Medium                       | 14/71  | 12/87  |
| Lemon Bay               | 2030  | ALLIGATOR CREEK TIDAL                               | ESTUARY        | 3M                           |                                   | Mercury (In Fish Tissue)   |   |   | Hg > 0.3 mg/Kg  | 5   | Low                          | No Data  | No Data  |
| Lemon Bay               | 2030  | ALLIGATOR CREEK TIDAL                               | ESTUARY        | 3M                           |                                   | Nutrients (Chlorophyll-a)  |   |   | TN = 1.01 mg/L<br>TP = 0.2 mg/L<br>BOD = 3.45                       | 5   | Medium                       | Not Impaired   | Impaired   |

Charlotte Harbor Group 2 Basin: Draft Verified List  
Hydrologic Unit: Charlotte Harbor

| Drainage Unit | WBD   | Waterbody Segment    | Waterbody Type | Waterbody Class | 1998 (a)(d) Parameters of Concern | Parameters Assessed Using the 2001 Impaired Surface Waters Rule (ISWR) | Discussed Oxygen/Nutrient/BI ology Pollutant of Concern | COBiology TN, TP, BOD Median Values (mg/L)                                     | Exceeded Criterion or Threshold Concentration   | EPAS Impaired Report Category | Priority of TMDL Development | Planning Period (# of Exceedances/ # of Samples) | Verified Period (# of Exceedances/ # of Samples) |
|---------------|-------|----------------------|----------------|-----------------|-----------------------------------|--|---|--|---|-------------------------------|------------------------------|--|--|
| Lemon Bay     | 2039A | ALLIGATOR CREEK      | STREAM         | 3F              |                                   | Nutrients (Chlorophyll-a)  |   |  | TN = 1.47 mg/L<br>TP = 0.02 mg/L<br>BOD = 2.75  | 5                             | Medium                       | No Data  | Impaired   |
| Lemon Bay     | 2039  | FORKED CREEK         | ESTUARY        | 3M              |                                   | Copper   |   |  | ≤3.7 mg/L                                       | 5                             | Medium                       | No Data  | 524  |
| Lemon Bay     | 2039  | FORKED CREEK         | ESTUARY        | 3M              |                                   | Discussed Oxygen   | TN  | median TN = 1.11 (n=55), median TP = 0.27 (n=55), and median BOD = 4.3 (n=24)  | ≤5.0 mg/L                                       | 5                             | Medium                       | 20/64  | 22/94  |
| Lemon Bay     | 2039  | FORKED CREEK         | ESTUARY        | 3M              |                                   | Mercury (in Fish Tissue)   |   |  | Hg > 0.3 mg/Kg                                  | 5                             | Low                          | No Data  | No Data  |
| Lemon Bay     | 2039  | FORKED CREEK         | ESTUARY        | 3M              | Nutrients                         | Nutrients (Chlorophyll-a)  |   | median TN = 1.10 (n=24), median TP = 0.58 (n=24), and median BOD = 1.95 (n=24) | TN = 1.11 mg/L<br>TP = 0.27 mg/L<br>BOD = 4.3   | 5                             | Medium                       | No Data  | Impaired   |
| Lemon Bay     | 2042  | DIRECT RUNOFF TO BAY | ESTUARY        | 3M              |                                   | Discussed Oxygen   | TN  |  | ≤5.0 mg/L                                       | 5                             | Medium                       |  | 12/24  |
| Lemon Bay     | 2042  | DIRECT RUNOFF TO BAY | ESTUARY        | 3M              |                                   | Fecal Coliform   |   |  | >400 cfu/100mL                                  | 5                             | Medium                       | No Data  | 9/21   |
| Lemon Bay     | 2042  | DIRECT RUNOFF TO BAY | ESTUARY        | 3M              |                                   | Mercury (in Fish Tissue)   |   |  | Hg > 0.3 mg/Kg                                  | 5                             | Low                          | No Data  | No Data  |
| Lemon Bay     | 2042  | DIRECT RUNOFF TO BAY | ESTUARY        | 3M              | Nutrients                         | Nutrients (Chlorophyll-a)  |   |  | TN = 1.102 mg/L<br>TP = 0.58 mg/L<br>BOD = 1.85 | 5                             | Medium                       | Not Impaired                                     | Not Impaired                                     |
| Lemon Bay     | 2049  | GOTTFRIED CREEK      | ESTUARY        | 3M              | Disolved Oxygen                   | Disolved Oxygen  | TN, TP, BOD   | median TN = 1.01 (n=70), median TP = 0.28 (n=70), and median BOD = 2.2 (n=24)  | ≤5.0 mg/L                                       | 5                             | Medium                       | 42/94  | 45/105   |
| Lemon Bay     | 2049  | GOTTFRIED CREEK      | ESTUARY        | 3M              |                                   | Fecal Coliform   |   |  | >400 cfu/100mL                                  | 5                             | Medium                       | 1/8  | 18/49  |

Charlotte Harbor Group 2 Basin: Draft Verified List  
Hydrologic Unit: Charlotte Harbor

| Planning Unit | WQID  | Waterbody Segment         | Waterbody Type | Waterbody Class <sup>1</sup> | 1999 303(d) Parameters of Concern | Parameters Assessed Using the 2001 Impaired Surface Waters Title (WTR) | Disolved Organics/Nutrients/Oxygen/Pollutant of Concern | Dobility <sup>2</sup> TN, TP, BOD Median Values (mg/L)                          | Exceeded Criterion or Threshold Concentration      | EPA's Integrated Report Category <sup>2</sup> | Priority of TMDL Development | Planning Period (# of Exceedances/ <sup>3</sup> # of Samples) <sup>2</sup> | Verified Period (# of Exceedances/ <sup>3</sup> # of Samples) <sup>2</sup> |
|---------------|-------|---------------------------|----------------|------------------------------|-----------------------------------|--|---|---|--|---|------------------------------|--|--|
| Lemon Bay     | 2049  | GOTT-FRED CREEK           | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2051  | DIRECT RUNOFF TO BAY      | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2052  | ROCK CREEK                | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   | BOD   | median TN = 0.712 (n=59), median TP = 0.069 (n=59) and median BOD = 2.05 (n=24) | <5.0 mg/L  | 5   | Medium                       | 41/85  | 52/113   |
| Lemon Bay     | 2052  | ROCK CREEK                | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   | BOD   | median TN = 0.72 (n=54), median TP = 0.08 (n=55), and median BOD = 1.8 (n=24)   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2067  | OYSTER CREEK              | ESTUARY        | 3M                           |                                   | Dissolved Oxygen   | BOD   |   | <5.0 mg/L  | 5   | Medium                       | 27/76  | 48/107   |
| Lemon Bay     | 2097  | OYSTER CREEK              | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2068  | BUCK CREEK                | ESTUARY        | 3M                           |                                   | Dissolved Oxygen   | TN, BOD   | median TN = 1.005 (n=93), median TP = 0.09 (n=89), and median BOD = 3.05 (n=24) | <5.0 mg/L  | 5   | Medium                       | 59/75  | 69/106   |
| Lemon Bay     | 2068  | BUCK CREEK                | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2068  | BUCK CREEK                | ESTUARY        | 3M                           |                                   | Nutrients (Chlorophyll-a)  |   |   | TN = 1.0 mg/L<br>TP = 0.09 mg/L<br>BOD = 3.05 mg/L | 5   | Medium                       |  | Impaired   |
| Lemon Bay     | 2072  | DIRECT RUNOFF TO BAY      | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2075A | MANASOTA KEY              | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2075B | BARRIER ISLAND            | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2075C | BARRIER ISLAND            | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2075D | BARRIER ISLAND            | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2076  | DIRECT RUNOFF TO BAY      | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2078A | CORAL CREEK (EAST BRANCH) | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |
| Lemon Bay     | 2078B | CORAL CREEK (EAST BRANCH) | ESTUARY        | 3M                           |                                   | Dissolved Oxygen   | BOD   | median BOD = 2.35 (n=24)  | <5.0 mg/L  | 5   | Low                          | No Data  | 12/28  |
| Lemon Bay     | 2078B | CORAL CREEK (EAST BRANCH) | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |   |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data  | No Data  |

Charlotte Harbor Group 2 Basin: Draft Verified List  
Hydrologic Unit: Charlotte Harbor

| Planning Unit | WBD   | Waterbody Segment                                  | Waterbody Type | Waterbody Class | 1998 303(d) Parameters of Concern | Parameters Assessed Using the 2001 Impaired Surface Waters Rule (ISWR) | Dissolved Oxygen/Nutrient/Other Pollutant of Concern | Ecology/TN, TP, BOD Median Values (mg/L)                                      | Exceeded Criterion or Threshold Concentration           | EPA's Integrated Report Category | Priority of TMDL Development | Planning Period (# of Exceedances/ # of Samples) | Verified Period (# of Exceedances/ # of Samples) |
|---------------|-------|--|----------------|-----------------|-----------------------------------|--|--|---|---|----------------------------------|------------------------------|--|--|
| Lemon Bay     | 2079B | CORAL CREEK (EAST BRANCH)                          | ESTUARY        | 3M              | Nutrients                         | Nutrients (Chlorophyll-a)  |  |   | BOD = 2.35 mg/L   | 5                                | Low                          | Not Impaired                                     | Not Impaired                                     |
| Lemon Bay     | 8054  | GULF OF MEXICO (CHARLOTTE COUNTY, SARASOTA COUNTY) | COASTAL        | 3M              |                                   | Mercury (In Fish Tissue)   |  |   | Hg > 0.3 mg/Kg  | 5                                | Low                          | No Data  | No Data  |
| Pine Island   | 2065E | PINE ISLAND SOUND (UPPER SEGMENT)                  | ESTUARY        | 2               |                                   | Bacteria (Shellfish)   |  |   | Exceeds Shellfish Assessment Section (SEAS) Thresholds. | 5                                | Medium                       |  |  |
| Pine Island   | 2065E | PINE ISLAND SOUND (UPPER SEGMENT)                  | ESTUARY        | 2               |                                   | Mercury (In Fish Tissue)   |  |   | Hg > 0.3 mg/Kg  | 5                                | Low                          | No Data  | No Data  |
| Pine Island   | 2065F | MATLACHA PASS                                      | ESTUARY        | 2               |                                   | Bacteria (Shellfish)   |  |   | Exceeds Shellfish Assessment Section (SEAS) Thresholds. | 5                                | Medium                       |  |  |
| Pine Island   | 2065F | MATLACHA PASS                                      | ESTUARY        | 2               | Mercury (In Fish Tissue)          | Mercury (In Fish Tissue)   |  |   | Hg > 0.3 mg/Kg  | 5                                | Low                          | No Data  | No Data  |
| Pine Island   | 2065G | PINE ISLAND SOUND LOWER                            | ESTUARY        | 2               |                                   | Mercury (In Fish Tissue)   |  |   | Hg > 0.3 mg/Kg  | 5                                | Low                          | No Data  | No Data  |
| Pine Island   | 2065H | SAN CARLOS BAY                                     | ESTUARY        | 2               |                                   | Mercury (In Fish Tissue)   |  |   | Hg > 0.3 mg/Kg  | 5                                | Low                          | No Data  | No Data  |
| Pine Island   | 2062C | GATOR SLOUGH CANAL                                 | STREAM         | 3F              |                                   | Dissolved Oxygen   |  | median TN = 0.6 (n=531), median TP = 0.02 (n=57) and median BOD = 2.4 (n=527) | <= 0 mg/L   | 5                                | Medium                       | 230/470  | 118/945  |
| Pine Island   | 2062C | NORTH CAPTIVA ISLAND                               | ESTUARY        | 3M              |                                   | Mercury (In Fish Tissue)   |  |   | Hg > 0.3 mg/Kg  | 5                                | Low                          | No Data  | No Data  |
| Pine Island   | 2062D | CAPTIVA ISLAND                                     | ESTUARY        | 3M              |                                   | Mercury (In Fish Tissue)   |  |   | Hg > 0.3 mg/Kg  | 5                                | Low                          | No Data  | No Data  |
| Pine Island   | 2062E | PINE ISLAND  | ESTUARY        | 2               |                                   | Bacteria (Shellfish)   |  |   | Exceeds Shellfish Assessment Section (SEAS) Thresholds. | 5                                | Medium                       |  |  |
| Pine Island   | 2062E | PINE ISLAND  | ESTUARY        | 2               |                                   | Copper   |  |   | > 43.4 µg/L   | 5                                | Medium                       | 57/641   | 30/487   |
| Pine Island   | 2062E | PINE ISLAND  | ESTUARY        | 2               |                                   | Fecal Coliform   |  |   | Hg > 0.3 mg/Kg  | 5                                | Low                          | No Data  | No Data  |

Charlotte Harbor Group 2 Basin: Draft Verified List  
Hydrologic Unit: Charlotte Harbor

| Planning Unit | WBD   | Waterbody Segment                             | Waterbody Type | Waterbody Class <sup>1</sup> | 1999 303(d) Parameters of Concern | Parameters Assessed Using the 2001 Impaired Surface Waters Rule (ISWR) | Dissolved Oxygen/Nutrient/ology Pollutant of Concern | Dobility, TN, TP, BOD Median Values (mg/L)  | Exceeded Criterion or Threshold Concentration      | EPA's Integrated Report Category <sup>2</sup> | Priority of TMDL Development | Planning Period (# of Exceedances/ <sup>3</sup> # of Samples) | Verified Period (# of Exceedances/ <sup>3</sup> # of Samples) |
|---------------|-------|---|----------------|------------------------------|-----------------------------------|--|--|---|--|---|------------------------------|---|---|
| Pine Island   | 2092F | SANIBEL RIVER BASIN (formerly Sanibel Island) | STREAM         | 3F                           |                                   | Dissolved Oxygen   | TN, BOD  | median TN = 2.55 (n=18), median TP = 0.08 (n=18), and median BOD = 4.3 (n=18)     | <5.0 mg/L  | 5   | Medium                       | No Data   | 13/17   |
| Pine Island   | 2092F | SANIBEL RIVER BASIN (formerly Sanibel Island) | STREAM         | 3F                           |                                   | Nutrients (Chlorophyll-a)  |  |   | TN = 2.55 mg/L<br>TP = 0.08 mg/L<br>BOD = 4.3 mg/L | 5   | Medium                       | Potentially Impaired  | Impaired  |
| Pine Island   | 3240A | HORSESHOE HERMOSA CHANNELS                    | STREAM         | 3F                           |                                   | Dissolved Oxygen   | BOD  | median TN = 0.41 (n=528), median TP = 0.01 (n=11), median value BOD = 2.4 (n=524) | <5.0 mg/L  | 5   | Medium                       | 31/245  | 277/187   |
| Pine Island   | 3240C | PUNTA RASA COVE                               | ESTUARY        | 2                            |                                   | Mercury (in Fish Tissue)   |  |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data   | No Data   |
| Pine Island   | 3240S | SOUTH URBAN CAPE CORAL                        | ESTUARY        | 3M                           |                                   | Mercury (in Fish Tissue)   |  |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data   | No Data   |
| Pine Island   | 8056  | GULF OF MEXICO (LEE COUNTY: CAPTIVA ISLAND)   | COASTAL        | 3M                           |                                   | Mercury (in Fish Tissue)   |  |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data   | No Data   |
| Pine Island   | 8057  | GULF OF MEXICO (LEE COUNTY: CAPTIVA ISLAND)   | COASTAL        | 3M                           |                                   | Mercury (in Fish Tissue)   |  |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data   | No Data   |
| Pine Island   | 8058  | GULF OF MEXICO (LEE COUNTY: SANIBEL ISLAND)   | COASTAL        | 3M                           |                                   | Mercury (in Fish Tissue)   |  |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data   | No Data   |
| Pine Island   | 8058B | SCOWANS BEACH                                 | BEACH          | 3M                           |                                   | Bacteria (Beach Advisories)  |  |   | > 21 days/year                                     | 5   | Low                          |   |   |
| Pine Island   | 8058B | GULF OF MEXICO (LEE COUNTY: SANIBEL ISLAND)   | COASTAL        | 3M                           |                                   | Mercury (in Fish Tissue)   |  |   | Hg > 0.3 mg/Kg                                     | 5   | Low                          | No Data   | No Data   |

Charlotte Harbor Group 2 Basin: Draft Verified List  
Hydrologic Unit: Charlotte Harbor

| Planning Unit | WBD  | Waterbody Segment  | Waterbody Type | Waterbody Class | 1998 303(d) Parameters of Concern | Parameters Assessed Using the 2001 Impaired Surface Waters Rule (IWR) | Disolved Oxygen/Nutrient/TP, BOD Median Values (mg/L) | DOBiology, TN, or BOD Median Values (mg/L) | Exceeded Criterion or Threshold Concentration | EPA's Integrated Report Category <sup>2</sup> | Priority of TMDL Development | Planning Period (# of Exceedances/ <sup>3</sup> # of Samples) <sup>3</sup> | Verified Period (# of Exceedances/ <sup>3</sup> # of Samples) <sup>3</sup> |
|---------------|------|--------------------|----------------|-----------------|-----------------------------------|---|---|--|---|---|------------------------------|--|--|
| Sarasota Bay  | 8999 | FLORIDA GULF COAST | COASTAL        | 3M              |                                   | Mercury (in Fish Tissue)  |   |  | Hg > 0.3 mg/Kg                                | 5   | Low                          |  |  |

<sup>1</sup> Florida's waterbody classifications are defined as:

- 1 - Potable water supplies
- 2 - Shellfish propagation or harvesting
- 3F - Recreation, propagation, and maintenance of a healthy, well-balanced population of fish and wildlife in fresh water
- 3M - Recreation, propagation, and maintenance of a healthy, well-balanced population of fish and wildlife in marine water
- 4 - Agricultural water supplies
- 5 - Navigation, utility, and industrial use

<sup>2</sup> FDEP Assessment Status (Verified List (VM), Impaired, Potentially Impaired (PI), Insufficient Data (ID), No Data (ND), Not Impaired (NI))

<sup>3</sup> EPA's Integrated Report Category:

- 1 - Attains all designated uses
  - 2 - Attains some designated uses
  - 3a - No data or information available to determine if any designated use is attained
  - 3b - Some data and information available, but they are insufficient for determining if any designated use is attained
  - 3c - Meets planning list criteria and is potentially impaired for one or more designated uses
  - 4a - Impaired for one or more designated uses and the TMDL is complete
  - 4b - Impaired for one or more designated uses, but no TMDL is required because a proposed pollution control measure provides reasonable assurance that the water will attain standards in the future
  - 4c - Impaired for one or more designated uses but no TMDL will be developed because the impairment is not caused by a pollutant
  - 5 - Water quality standards are not attained and a TMDL is required
- <sup>2</sup> n is equal to the number of samples. When samples are taken within 4 days of one another, those samples are averaged and result in a single sample for the purpose of determining n.

\* - The overall category 5 call for this WBD is based on a mercury in fish tissue listing. All of the coastal listings (8,000 series) for mercury in fish tissue were combined - see the last line of the integrated list; individual entries have

<sup>4</sup> Where a parameter was 1998 303(d) listed, the priority shown for it in the 1998 303(d) list was retained (high or low). Where a parameter was only identified as impaired under the IWR, a priority of medium was assigned.

<sup>5</sup> PP - Planning Period (January 1, 1998 through December 30, 2005); VP - Verified Period (January 1, 2001 through June 30, 2006)

Beach advisory data is based on "2008 Beach Advisories" file created 05/07/2008 by FDEP.  
Fish advisory data is based on "2008 Fish Advisories" file created 07/10/2008 by FDEP.

The Group 2 Charlotte Harbor Master List is based on IWR Run 33.

**Charlotte Harbor Group 2 Basin: Draft Verified List**  
**Hydrologic Unit: Charlotte Harbor**

|  |
|--|
| <p>Comments</p>  |
| <p>Impaired based on surface water criterion, however nutrients are not impaired and TN, TP, and BOD do not exceed the 70th percentile screening level values. Data indicate that low DO levels are a natural condition, need to check land use statistics. Listed as impaired on Cycle 1 Verified List, with BOD as causative pollutant (median of 4.6 mg/L, but only had one observation).</p> |
| <p>Annual average Chl a (ug/L) values exceeded 11 ug/L in 2003 (3.3.2) and 2006 (14.8). TN median = 0.729 mg/L (354 observations) and TP median = 0.185 mg/L (322 observations). Waterbody is nitrogen limited based on the median TN/TP ratio of 4.03 (276 values). No BOD observations.</p>  |
| <p>Listed based on change in shellfish harvesting classification by SEAS of conditionally approved.</p>  |
|  |
|  |
|  |

Charlotte Harbor Group 2 Basin: Draft Verified List  
Hydrologic Unit: Charlotte Harbor

| Comments  |
|---|
| <p>Listed based on change in shellfish harvesting classification by SEAS of conditionally approved.</p>   |
| <p>Annual average Chl a (ug/L) values exceeded 11 ug/L in 2005 (1,97), but did not exceed in 2006 (6,112) and 2007 (4,419). Nutrients are impaired with median values of TN = 0.53 (227 observations), TP = 0.24 (227 observations), and BOD = 1.4 (219 observations). Waterbody is nitrogen limited based on the median TN:TP ratio of 2.14 (227 values).</p>  |
| <p>Listed based on change in shellfish harvesting classification by SEAS of conditionally approved.</p>   |
| <p>Impaired based on surface water criterion, however EPA completed a TMDL for this parameter with a 28.2 percent reduction of total nitrogen and 57.8 percent reduction of BOD. DEP is currently reviewing EPA TMDL for DON/nutrients in this waterbody.</p>   |
| <p>This waterbody was listed as impaired on Cycle 1 Verified List. Does not meet the sample size requirement to delist.</p>   |
| <p>Annual average Chl a (ug/L) values did not exceed 11 ug/L in 2003 (10,04), 2004 (8,34), 2005 (7,387) and 2006 (8,375), but did exceed in 2007 (18,29). Nutrients are impaired with median values of TN = 1.01 (92 observations), TP = 0.2 (93 observations), and BOD = 3.45 (19 observations). Delisted in Cycle 1. EPA completed TMDL for this parameter with a 28.2 percent reduction of total nitrogen and 57.8 percent reduction of BOD. DEP is currently reviewing EPA TMDL for this waterbody.</p> |

Charlotte Harbor Group 2 Basin: Draft Verified List  
 Hydrologic Unit: Charlotte Harbor

| Comments  |
|---|
| <p>Annual average Chl a (ug/L) values exceeded 20 ug/L in 2007 (33.25). Nutrients are impaired with median values of TN = 1.47 (9 observations), TP = 0.02 (9 observations), and BOD = 2.75 (9 observations). Waterbody is nitrogen limited based on the median TN/TP ratio of 7.37 (9 values).</p>   |
| <p>Impaired based on surface water criterion, however, EPA completed a TMDL for this parameter, with a 20.0 percent reduction of total nitrogen. Pending EPA TMDL Review.</p>   |
| <p>Annual average Chl a (ug/L) values exceeded 11 ug/L in 2008 (13.93) and 2007 (31.54). Nutrients are impaired with median values of TN = 1.11 (65 observations), TP = 0.27 (65 observations), and BOD = 4.3 (24 observations). Waterbody is nitrogen limited based on the median TN/TP ratio of 4.28 (33 values). EPA completed TMDL for this parameter, with a 20.0 percent reduction of total nitrogen. DEP is currently reviewing EPA TMDL for this waterbody.</p> |
| <p>Impaired based on surface water criterion, however, EPA completed a TMDL for this parameter, with a 54.7 Percent reduction of total nitrogen. DEP is currently reviewing EPA TMDL for this waterbody.</p>  |
| <p>Annual average Chl a (ug/L) values did not exceed 11 ug/L in 2007 (10.31). Nutrients are impaired with median values for TN = 1.02 (24 observations), TP = 0.56 (24 observations), and BOD = 1.85 (24 observations). Does not meet the 3 consecutive year criteria to delist. Pending Listed in Cycle 1, EPA completes TMDL for this parameter, with a 20 percent reduction of total nitrogen. DEP is currently reviewing EPA TMDL for this waterbody.</p>           |
| <p>Impaired based on surface water criterion, however, EPA completed a TMDL for this parameter, with a 20 percent reduction of total nitrogen. Nutrients are impaired with median values of DEP is currently reviewing EPA TMDL for this waterbody.</p>   |

Charlotte Harbor Group 2 Basin: Draft Verified List  
Hydrologic Unit: Charlotte Harbor

| Comments  |
|---|
| Impaired based on surface water citation. BOD is the causative pollutant with median value = 2.05 (24 obs.). Listed as impaired on Cycle 1 Verified List.   |
| Impaired based on surface water citation, however nutrients are not impaired and TN, TP, and BOD do not exceed the 70th percentile screening level values. Listed as impaired on Cycle 1 Verified List, with BOD as causative pollutant (median value = 2.6 mg/L with only two observations). |
| Nutrients identified as causative pollutant.  |
| Annual average Chl a (ug/L) values exceeded 11 ug/L in 2007 (20 obs.). Nutrients are impaired with median values of TN = 1.0 (96 observations), TP = 0.08 (98 observations), and BOD = 3.05 (24 observations).  |
|   |
|   |
|   |
|   |
| BOD identified as causative pollutant.  |

**Charlotte Harbor Group 2 Basin: Draft Verified List**  
**Hydrologic Unit: Charlotte Harbor**

|  |
|--|
| <p>Comments</p>  |
| <p>Annual average CHl a (ug/L) values exceeded 11 ug/L during planning period in 2001 (12.61), but did not exceed in 2002 (7.83), 2003 (5.49), 2004 (3.75), 2005 (10.54), and 2007 (4.74). Annual average CHl a from 2001 - 2005 calculated with Lake/Valch data, which was used to list waterbody as verified impaired on Cycle 1 Verified List. This waterbody does not meet the 3 consecutive year criteria needed to delist.</p> |
| <p>Listed based on change in shellfish harvesting classification by SEAS of conditionally approved.</p>  |
| <p>Listed based on change in shellfish harvesting classification by SEAS of conditionally approved.</p>  |
| <p>BOD identified as the causative pollutant.</p>  |
| <p>Listed based on change in shellfish harvesting classification by SEAS of conditionally approved.</p>  |
| <p>Exceeds Class 2 Criteria for shellfish waters.</p>  |

**Charlotte Harbor Group 2 Basin: Draft Verified List**  
**Hydrologic Unit: Charlotte Harbor**

|   |
|---|
| <p>Comments</p>   |
| <p>Nutrients identified as the causative pollutant</p> <p>Cycle 1 Impairment for TSI was adopted in error because assessment call was based on LakeWatch data, the waterbody is still impaired based on FDEP South District data for corrected chlorophyll-a. Annual average Chl (a (µg/L) values exceeded 29 µg/L in 2007 (37.53). TN median = 2.55 mg/L (18 observations), TP median = 0.08 mg/L (18 observations), Waterbody is phosphorus limited based on the median TN:TP ratio of 31.67 (18 values).</p> |
| <p>BOD identified as the causative pollutant</p>  |
| <p></p>   |
| <p></p>   |
| <p></p>   |
| <p></p>   |
| <p>Batch adv/sories &gt; 21 days/yr in 2007</p>   |
| <p></p>   |

**Charlotte Harbor Group 2 Basin: Draft Verified List  
Hydrologic Unit: Charlotte Harbor**

| Comments   |
|--|
| Data verified to be within the last 7.5 years. Confirmed research data from 2002, 2003/2004 for coastal fish advisory for King Mackerel and Bull Shark with average Hg levels of 0.67 and 1.85 ug/l, respectively. Includes WBIDs 2021, 2030, 2039, 2042, 2048, 2051, 2052, 2067, 2068, 2072, 2073, 2076, 2087, 2090, 1983A, 1983B, 2065A-H, 2075A-D, 2076AAB, 2092B-E, 3240O&S, 8054, 8055, 8056, 8057, 8058, 8059. |