

Alligator Harbor-1 (Franklin County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°55'18", Longitude 84°24'57"

Period of record: 5 sampling dates; June 16, 2001 to October 20, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 3 sampling dates:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|--|----------------|----------------|----------------|
| Long-term color concentrations (Pt-Co units) | 4 | 7 | 9 |
| Long-term specific conductance (mmhos) | 39 | 42 | 46 |

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|---|----------------|----------------|----------------|
| Long-term total phosphorus concentrations (µg/L) | 15 | 28 | 42 |
| Long-term total nitrogen concentrations (µg/L) | 160 | 288 | 350 |
| Long-term total chlorophyll concentrations (µg/L) | 3.0 | 7.8 | 11.0 |
| Long-term Secchi depth (ft) | 1.5 | 4.5 | 7.0 |

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

| <u>Date</u> | <u>TP (µg/L)</u> | <u>TN (µg/L)</u> | <u>CHL (µg/L)</u> | <u>SECCHI (ft)</u> |
|--------------|------------------|------------------|-------------------|--------------------|
| Jun-16 | 15 | 160 | 3.0 | 7.0 |
| Jul-18 | 30 | 270 | 9.0 | 3.8 |
| Aug-12 | 42 | 330 | . | 1.5 |
| Sep-17 | 27 | 330 | 11.0 | 6.5 |
| Oct-20 | 27 | 350 | 8.0 | 3.8 |
| 2001 Average | 28 | 288 | 7.8 | 4.5 |

Alligator Harbor-2 (Franklin County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°55'11", Longitude 84°26'31"

Period of record: 5 sampling dates; June 16, 2001 to October 20, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 3 sampling dates:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|--|----------------|----------------|----------------|
| Long-term color concentrations (Pt-Co units) | 8 | 11 | 13 |
| Long-term specific conductance (mmhos) | 43 | 44 | 45 |

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|---|----------------|----------------|----------------|
| Long-term total phosphorus concentrations (µg/L) | 39 | 45 | 59 |
| Long-term total nitrogen concentrations (µg/L) | 440 | 542 | 690 |
| Long-term total chlorophyll concentrations (µg/L) | 7.0 | 11.0 | 15.0 |
| Long-term Secchi depth (ft) | 2.0 | 2.7 | 3.5 |

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

| <u>Date</u> | <u>TP (µg/L)</u> | <u>TN (µg/L)</u> | <u>CHL (µg/L)</u> | <u>SECCHI (ft)</u> |
|--------------|------------------|------------------|-------------------|--------------------|
| Jun-16 | 45 | 450 | 13.0 | 2.3 |
| Jul-18 | 43 | 690 | 15.0 | 2.8 |
| Aug-12 | 59 | 610 | . | 2.0 |
| Sep-17 | 39 | 520 | 9.0 | 3.5 |
| Oct-20 | 39 | 440 | 7.0 | . |
| 2001 Average | 45 | 542 | 11.0 | 2.7 |

Alligator Harbor-3 (Franklin County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°55'10", Longitude 84°24'19"

Period of record: 5 sampling dates; June 16, 2001 to October 20, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 3 sampling dates:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|--|----------------|----------------|----------------|
| Long-term color concentrations (Pt-Co units) | 10 | 11 | 12 |
| Long-term specific conductance (mmhos) | 44 | 46 | 49 |

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|---|----------------|----------------|----------------|
| Long-term total phosphorus concentrations (µg/L) | 39 | 50 | 60 |
| Long-term total nitrogen concentrations (µg/L) | 440 | 614 | 790 |
| Long-term total chlorophyll concentrations (µg/L) | 7.0 | 12.8 | 19.0 |
| Long-term Secchi depth (ft) | 1.8 | 2.6 | 3.5 |

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

| <u>Date</u> | <u>TP (µg/L)</u> | <u>TN (µg/L)</u> | <u>CHL (µg/L)</u> | <u>SECCHI (ft)</u> |
|--------------|------------------|------------------|-------------------|--------------------|
| Jun-16 | 57 | 590 | 19.0 | 2.3 |
| Jul-18 | 46 | 650 | 15.0 | 2.8 |
| Aug-12 | 60 | 790 | . | 1.8 |
| Sep-17 | 47 | 600 | 10.0 | 3.5 |
| Oct-20 | 39 | 440 | 7.0 | . |
| 2001 Average | 50 | 614 | 12.8 | 2.6 |

Alligator Harbor-4 (Franklin County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°54'14", Longitude 84°22'17"

Period of record: 5 sampling dates; June 16, 2001 to October 20, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 3 sampling dates:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|--|----------------|----------------|----------------|
| Long-term color concentrations (Pt-Co units) | 13 | 16 | 20 |
| Long-term specific conductance (mmhos) | 44 | 45 | 47 |

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|---|----------------|----------------|----------------|
| Long-term total phosphorus concentrations (µg/L) | 59 | 69 | 76 |
| Long-term total nitrogen concentrations (µg/L) | 680 | 826 | 900 |
| Long-term total chlorophyll concentrations (µg/L) | 13.0 | 21.3 | 32.0 |
| Long-term Secchi depth (ft) | 1.5 | 2.2 | 2.8 |

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

| <u>Date</u> | <u>TP (µg/L)</u> | <u>TN (µg/L)</u> | <u>CHL (µg/L)</u> | <u>SECCHI (ft)</u> |
|--------------|------------------|------------------|-------------------|--------------------|
| Jun-16 | 76 | 870 | 32.0 | 1.5 |
| Jul-18 | 69 | 890 | 24.0 | 1.8 |
| Aug-12 | 74 | 900 | . | . |
| Sep-17 | 69 | 790 | 16.0 | 2.8 |
| Oct-20 | 59 | 680 | 13.0 | 2.8 |
| 2001 Average | 69 | 826 | 21.3 | 2.2 |

Alligator Harbor-5 (Franklin County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°54'23", Longitude 84°25'5"

Period of record: 5 sampling dates; June 16, 2001 to October 20, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 3 sampling dates:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|--|----------------|----------------|----------------|
| Long-term color concentrations (Pt-Co units) | 18 | 21 | 24 |
| Long-term specific conductance (mmhos) | 41 | 42 | 45 |

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|---|----------------|----------------|----------------|
| Long-term total phosphorus concentrations (µg/L) | 66 | 78 | 101 |
| Long-term total nitrogen concentrations (µg/L) | 730 | 884 | 1150 |
| Long-term total chlorophyll concentrations (µg/L) | 12.0 | 20.0 | 26.0 |
| Long-term Secchi depth (ft) | 1.5 | 1.8 | 2.0 |

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

| <u>Date</u> | <u>TP (µg/L)</u> | <u>TN (µg/L)</u> | <u>CHL (µg/L)</u> | <u>SECCHI (ft)</u> |
|--------------|------------------|------------------|-------------------|--------------------|
| Jun-16 | 101 | 1150 | 26.0 | 1.5 |
| Jul-18 | 71 | 830 | 25.0 | 2.0 |
| Aug-12 | 85 | 950 | . | 1.5 |
| Sep-17 | 66 | 760 | 17.0 | 1.8 |
| Oct-20 | 67 | 730 | 12.0 | 2.0 |
| 2001 Average | 78 | 884 | 20.0 | 1.8 |

Alligator Harbor-6 (Franklin County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°53'53", Longitude 84°22'40"

Period of record: 5 sampling dates; June 16, 2001 to October 20, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by undifferentiated sand, shell, clay, marl, and peat of the Holocene

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 3 sampling dates:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|--|----------------|----------------|----------------|
| Long-term color concentrations (Pt-Co units) | 9 | 10 | 12 |
| Long-term specific conductance (mmhos) | 41 | 44 | 46 |

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 5 months sampled:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|---|----------------|----------------|----------------|
| Long-term total phosphorus concentrations (µg/L) | 28 | 42 | 56 |
| Long-term total nitrogen concentrations (µg/L) | 410 | 566 | 720 |
| Long-term total chlorophyll concentrations (µg/L) | 8.0 | 13.3 | 17.0 |
| Long-term Secchi depth (ft) | 2.0 | 3.1 | 5.0 |

2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 1 station for total phosphorus (TP, µg/L), total nitrogen (TN, µg/L), chlorophyll (CHL, µg/L) and Secchi depth (SECCHI, ft) during 2001:

| <u>Date</u> | <u>TP (µg/L)</u> | <u>TN (µg/L)</u> | <u>CHL (µg/L)</u> | <u>SECCHI (ft)</u> |
|--------------|------------------|------------------|-------------------|--------------------|
| Jun-16 | 44 | 480 | 17.0 | 2.5 |
| Jul-18 | 43 | 550 | 16.0 | 3.0 |
| Aug-12 | 56 | 720 | . | 2.0 |
| Sep-17 | 28 | 410 | 8.0 | 5.0 |
| Oct-20 | 41 | 670 | 12.0 | 3.0 |
| 2001 Average | 42 | 566 | 13.3 | 3.1 |

Huckleberry Creek-1 (Franklin County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°44'28", Longitude 85°5'1"

Period of record: 6 sampling dates; May 8, 1999 to October 15, 1999

Geologic formation (Brooks 1981a):

The geology is dominated by beach and dune sand with silty sand, silt, and clay of the Biloxi Formation

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 6 months sampled:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|---|----------------|----------------|----------------|
| Long-term total phosphorus concentrations (µg/L) | 114 | 191 | 332 |
| Long-term total nitrogen concentrations (µg/L) | 720 | 1085 | 1340 |
| Long-term total chlorophyll concentrations (µg/L) | 2.0 | 6.8 | 10.0 |
| Long-term Secchi depth (ft) | 1.3 | 1.6 | 2.0 |

2001 Florida LAKEWATCH Data

No samples collected in 2001

Huckleberry Creek-2 (Franklin County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°44'54", Longitude 85°4'34"

Period of record: 6 sampling dates; May 8, 1999 to October 15, 1999

Geologic formation (Brooks 1981a):

The geology is dominated by beach and dune sand with silty sand, silt, and clay of the Biloxi Formation

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 6 months sampled:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|---|----------------|----------------|----------------|
| Long-term total phosphorus concentrations (µg/L) | 29 | 61 | 179 |
| Long-term total nitrogen concentrations (µg/L) | 490 | 610 | 840 |
| Long-term total chlorophyll concentrations (µg/L) | 8.0 | 14.0 | 19.0 |
| Long-term Secchi depth (ft) | 3.0 | 3.2 | 3.5 |

2001 Florida LAKEWATCH Data

No samples collected in 2001

Huckleberry Creek-3 (Franklin County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 29°45'38", Longitude 85°4'23"

Period of record: 6 sampling dates; May 8, 1999 to October 15, 1999

Geologic formation (Brooks 1981a):

The geology is dominated by beach and dune sand with silty sand, silt, and clay of the Biloxi Formation

Physiographic region (Brooks 1981b):

The station lies in the Coastal Strip division of the Apalachicola Delta District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 6 months sampled:

| | <u>Minimum</u> | <u>Average</u> | <u>Maximum</u> |
|---|----------------|----------------|----------------|
| Long-term total phosphorus concentrations (µg/L) | 18 | 26 | 41 |
| Long-term total nitrogen concentrations (µg/L) | 380 | 530 | 660 |
| Long-term total chlorophyll concentrations (µg/L) | 7.0 | 10.5 | 14.0 |
| Long-term Secchi depth (ft) | 2.3 | 2.6 | 3.0 |

2001 Florida LAKEWATCH Data

No samples collected in 2001