

**CBA Destin-1 (Okaloosa County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 30°23'44", Longitude 86°30'57"

**Period of record:** 10 sampling dates; March 4, 2001 to December 15, 2001

**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

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 6 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	0	8	24
Long-term specific conductance (mmhos)	17	37	48

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 10 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	9	12	18
Long-term total nitrogen concentrations (µg/L)	120	212	380
Long-term total chlorophyll concentrations (µg/L)	1.0	1.8	3.0
Long-term Secchi depth (ft)	7.0	7.7	8.9

**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>
Mar-04	11	210	2.0	8.9
Apr-07	12	380	3.0	8.0
May-06	11	290	1.0	7.0
Jun-02	13	230	2.0	.
Jul-20	10	120	1.0	.
Aug-04	13	180	2.0	.
Sep-23	18	250	3.0	7.0
Oct-21	9	170	1.0	.
Nov-03	9	130	1.0	.
Dec-15	9	160	2.0	.
2001 Average	12	212	1.8	7.7

## CBA Destin-2 (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°23'26", Longitude 86°30'20"

**Period of record:** 10 sampling dates; March 4, 2001 to December 15, 2001

**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

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 6 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	9	20
Long-term specific conductance (mmhos)	18	36	45

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 10 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	10	17	21
Long-term total nitrogen concentrations (µg/L)	150	242	340
Long-term total chlorophyll concentrations (µg/L)	2.0	2.6	3.0
Long-term Secchi depth (ft)	6.0	8.4	10.8

#### 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>
Mar-04	17	180	2.0	10.8
Apr-07	10	310	3.0	7.0
May-06	16	280	2.0	8.3
Jun-02	20	300	3.0	6.0
Jul-20	19	260	2.0	9.5
Aug-04	14	250	2.0	.
Sep-23	16	180	3.0	7.0
Oct-21	20	340	3.0	.
Nov-03	21	150	3.0	10.0
Dec-15	20	170	3.0	.
2001 Average	17	242	2.6	8.4

## CBA Destin-3 (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°23'20", Longitude 86°29'32"

**Period of record:** 10 sampling dates; March 4, 2001 to December 15, 2001

**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

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 6 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	8	18
Long-term specific conductance (mmhos)	21	34	43

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 10 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	17	24	42
Long-term total nitrogen concentrations (µg/L)	100	240	390
Long-term total chlorophyll concentrations (µg/L)	1.0	4.0	6.0
Long-term Secchi depth (ft)	5.0	8.8	13.0

### 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>
Mar-04	19	200	3.0	12.0
Apr-07	24	390	6.0	6.0
May-06	20	260	3.0	7.0
Jun-02	22	280	3.0	8.0
Jul-20	20	270	1.0	9.0
Aug-04	24	240	4.0	.
Sep-23	42	290	5.0	5.0
Oct-21	17	100	5.0	11.0
Nov-03	28	200	4.0	8.0
Dec-15	24	170	6.0	13.0
2001 Average	24	240	4.0	8.8

**CBA Destin-4 (Okaloosa County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 30°24'54", Longitude 86°29'36"

**Period of record:** 10 sampling dates; March 4, 2001 to December 15, 2001

**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

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 6 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	9	17
Long-term specific conductance (mmhos)	15	29	41

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 10 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	15	24
Long-term total nitrogen concentrations (µg/L)	120	237	320
Long-term total chlorophyll concentrations (µg/L)	2.0	2.8	4.0
Long-term Secchi depth (ft)	4.0	6.6	11.0

**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>
Mar-04	19	280	3.0	6.0
Apr-07	12	310	2.0	.
May-06	18	320	4.0	4.0
Jun-02	11	260	2.0	.
Jul-20	12	220	4.0	.
Aug-04	24	210	2.0	.
Sep-23	19	240	3.0	6.0
Oct-21	7	120	2.0	.
Nov-03	9	150	2.0	11.0
Dec-15	17	260	4.0	6.0
2001 Average	15	237	2.8	6.6

## CBA Destin-5 (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'2", Longitude 86°26'54"

**Period of record:** 9 sampling dates; March 4, 2001 to December 15, 2001

**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

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 7 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	10	16	34
Long-term specific conductance (mmhos)	14	28	41

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 9 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	11	18	34
Long-term total nitrogen concentrations (µg/L)	150	277	430
Long-term total chlorophyll concentrations (µg/L)	2.0	5.3	16.0
Long-term Secchi depth (ft)	1.5	4.0	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>
Mar-04	17	200	5.0	.
Apr-07	11	340	4.0	5.0
May-06	20	260	4.0	3.0
Jun-04	19	320	8.0	4.0
Jul-20	17	290	3.0	5.0
Sep-08	34	430	16.0	1.5
Oct-21	13	260	3.0	5.0
Nov-10	13	150	2.0	4.5
Dec-15	14	240	3.0	4.0
2001 Average	18	277	5.3	4.0

## CBA Destin-6 (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'24", Longitude 86°25'57"

**Period of record:** 9 sampling dates; March 4, 2001 to December 15, 2001

**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

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 7 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	6	9	16
Long-term specific conductance (mmhos)	11	26	39

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 9 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	11	17
Long-term total nitrogen concentrations (µg/L)	140	208	280
Long-term total chlorophyll concentrations (µg/L)	1.0	1.6	3.0
Long-term Secchi depth (ft)	.	.	.

#### 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>
Mar-04	17	230	3.0	.
Apr-07	10	280	2.0	.
May-06	13	230	1.0	.
Jun-04	11	240	1.0	.
Jul-20	11	270	2.0	.
Sep-08	9	140	2.0	.
Oct-21	9	180	1.0	.
Nov-10	8	160	1.0	.
Dec-15	12	140	1.0	.
2001 Average	11	208	1.6	.

## CBA Destin-7 (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'58", Longitude 86°25'29"

**Period of record:** 9 sampling dates; March 4, 2001 to December 15, 2001

**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

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 7 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	7	11	24
Long-term specific conductance (mmhos)	14	28	38

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 9 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	9	12	17
Long-term total nitrogen concentrations (µg/L)	150	246	420
Long-term total chlorophyll concentrations (µg/L)	2.0	2.6	4.0
Long-term Secchi depth (ft)	6.0	10.3	16.0

### 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>
Mar-04	13	170	2.0	10.6
Apr-07	13	420	4.0	7.0
May-06	13	270	2.0	6.0
Jun-04	9	220	2.0	12.0
Jul-20	17	380	3.0	8.0
Sep-08	12	230	3.0	6.5
Oct-21	12	150	2.0	14.0
Nov-10	9	210	2.0	16.0
Dec-15	9	160	3.0	13.0
2001 Average	12	246	2.6	10.3

## CBA Destin-8 (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'5", Longitude 86°23'53"

**Period of record:** 9 sampling dates; March 4, 2001 to December 15, 2001

**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

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 7 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	6	9	16
Long-term specific conductance (mmhos)	12	28	44

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 9 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	11	16
Long-term total nitrogen concentrations (µg/L)	140	210	320
Long-term total chlorophyll concentrations (µg/L)	1.0	1.7	3.0
Long-term Secchi depth (ft)	3.0	3.0	3.0

### 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>
Mar-04	16	220	2.0	.
Apr-07	7	200	2.0	.
May-06	10	240	1.0	.
Jun-04	9	240	1.0	.
Jul-20	13	240	2.0	3.0
Sep-08	14	320	3.0	.
Oct-21	10	140	1.0	.
Nov-10	7	150	1.0	.
Dec-15	9	140	2.0	.
2001 Average	11	210	1.7	3.0

## CBA Destin-9 (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°23'30", Longitude 86°19'56"

**Period of record:** 9 sampling dates; March 4, 2001 to December 15, 2001

**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

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 7 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	6	8	14
Long-term specific conductance (mmhos)	15	28	40

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 9 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	11	15	24
Long-term total nitrogen concentrations (µg/L)	150	221	290
Long-term total chlorophyll concentrations (µg/L)	1.0	2.6	5.0
Long-term Secchi depth (ft)	3.0	3.3	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>
Mar-04	24	290	2.0	3.0
Apr-07	15	250	3.0	.
May-06	14	220	1.0	.
Jun-04	11	240	2.0	.
Jul-20	20	260	5.0	3.5
Sep-08	15	240	3.0	.
Oct-21	15	170	3.0	.
Nov-10	14	170	2.0	.
Dec-15	11	150	2.0	.
2001 Average	15	221	2.6	3.3

## CBA Destin-10 (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°23'39", Longitude 86°31'28"

**Period of record:** 10 sampling dates; March 4, 2001 to December 15, 2001

**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

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 6 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	2	9	23
Long-term specific conductance (mmhos)	16	36	48

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 10 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	10	15
Long-term total nitrogen concentrations (µg/L)	100	200	320
Long-term total chlorophyll concentrations (µg/L)	1.0	1.6	3.0
Long-term Secchi depth (ft)	8.3	9.8	11.0

### 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>
Mar-04	12	180	2.0	.
Apr-07	11	320	3.0	8.3
May-06	9	260	1.0	.
Jun-02	11	220	1.0	.
Jul-20	11	210	1.0	10.0
Aug-04	7	100	1.0	.
Sep-23	15	240	3.0	11.0
Oct-21	7	180	1.0	.
Nov-03	10	140	1.0	.
Dec-15	7	150	2.0	.
2001 Average	10	200	1.6	9.8

## CBA Ft. Walton Beach-1 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°26'47", Longitude 86°35'22"

**Period of record:** 13 sampling dates; December 9, 2000 to December 8, 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 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	10	24
Long-term specific conductance (mmhos)	16	26	35

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	6	11	15
Long-term total nitrogen concentrations (µg/L)	160	261	360
Long-term total chlorophyll concentrations (µg/L)	2.0	3.3	5.0
Long-term Secchi depth (ft)	7.0	11.8	16.0

### 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>
Jan-13	6	240	3.0	13.6
Feb-10	11	320	4.0	10.5
Mar-10	14	240	3.0	13.0
Apr-01	12	360	2.0	9.0
May-12	15	330	4.0	10.0
Jun-09	9	320	.	15.0
Jul-14	12	160	4.0	9.0
Aug-11	15	210	5.0	16.0
Sep-08	11	350	3.0	7.0
Oct-14	8	170	4.0	9.0
Nov-10	9	240	2.0	15.0
Dec-08	14	190	2.0	15.0
2001 Average	11	261	3.3	11.8

## CBA Ft. Walton Beach-2 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°25'38", Longitude 86°35'54"

**Period of record:** 13 sampling dates; December 9, 2000 to December 8, 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 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	9	24
Long-term specific conductance (mmhos)	17	29	40

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	11	13
Long-term total nitrogen concentrations (µg/L)	140	233	340
Long-term total chlorophyll concentrations (µg/L)	1.0	2.7	4.0
Long-term Secchi depth (ft)	8.0	13.2	22.0

### 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>
Jan-13	9	220	3.0	12.2
Feb-10	11	280	4.0	10.0
Mar-10	13	270	2.0	14.8
Apr-01	12	340	2.0	8.0
May-12	11	280	3.0	9.0
Jun-09	7	250	.	18.0
Jul-14	13	190	3.0	9.0
Aug-11	12	220	4.0	17.0
Sep-08	.	230	2.0	8.0
Oct-14	10	140	2.0	22.0
Nov-10	7	200	2.0	15.0
Dec-08	11	190	1.0	17.0
2001 Average	11	234	2.5	13.3

## CBA Ft. Walton Beach-3 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'57", Longitude 86°35'6"

**Period of record:** 13 sampling dates; December 9, 2000 to December 8, 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 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	20	113
Long-term specific conductance (mmhos)	12	29	43

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	10	15
Long-term total nitrogen concentrations (µg/L)	140	216	310
Long-term total chlorophyll concentrations (µg/L)	1.0	2.4	4.0
Long-term Secchi depth (ft)	.	.	.

### 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>
Jan-13	10	160	3.0	.
Feb-10	9	260	4.0	.
Mar-10	15	240	2.0	.
Apr-01	10	220	2.0	.
May-12	11	310	2.0	.
Jun-09	8	150	.	.
Jul-14	10	270	4.0	.
Aug-11	13	230	3.0	.
Sep-08	9	140	2.0	.
Oct-14	9	160	2.0	.
Nov-10	.	.	2.0	.
Dec-08	7	200	1.0	.
2001 Average	10	213	2.5	.

## CBA Ft. Walton Beach-4 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'8", Longitude 86°35'41"

**Period of record:** 13 sampling dates; December 9, 2000 to December 8, 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 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	9	23
Long-term specific conductance (mmhos)	19	30	41

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	6	12	23
Long-term total nitrogen concentrations (µg/L)	150	214	370
Long-term total chlorophyll concentrations (µg/L)	1.0	2.6	5.0
Long-term Secchi depth (ft)	.	.	.

### 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>
Jan-13	6	180	3.0	.
Feb-10	10	230	4.0	.
Mar-10	19	260	2.0	.
Apr-01	11	370	2.0	.
May-12	9	250	2.0	.
Jun-09	7	200	.	.
Jul-14	17	150	5.0	.
Aug-11	18	260	4.0	.
Sep-08	11	210	2.0	.
Oct-14	10	150	2.0	.
Nov-10	23	150	1.0	.
Dec-08	8	170	2.0	.
2001 Average	12	215	2.6	.

## CBA Ft. Walton Beach-5 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'3", Longitude 86°33'44"

**Period of record:** 13 sampling dates; December 9, 2000 to December 8, 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 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	9	23
Long-term specific conductance (mmhos)	19	31	40

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	10	14
Long-term total nitrogen concentrations (µg/L)	130	210	400
Long-term total chlorophyll concentrations (µg/L)	1.0	2.4	4.0
Long-term Secchi depth (ft)	8.0	11.9	17.0

### 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>
Jan-13	8	150	3.0	11.0
Feb-10	10	250	4.0	9.5
Mar-10	14	250	3.0	11.2
Apr-01	11	400	2.0	10.0
May-12	11	240	2.0	13.5
Jun-09	8	200	.	12.5
Jul-14	13	130	3.0	8.0
Aug-11	13	190	4.0	14.0
Sep-08	10	220	1.0	9.0
Oct-14	9	150	2.0	15.0
Nov-10	9	150	1.0	17.0
Dec-08	9	150	2.0	.
2001 Average	10	207	2.5	11.9

## CBA Ft. Walton Beach-6 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°23'53", Longitude 86°32'42"

**Period of record:** 13 sampling dates; December 9, 2000 to December 8, 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 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	8	14
Long-term specific conductance (mmhos)	11	30	40

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	6	10	15
Long-term total nitrogen concentrations (µg/L)	130	195	300
Long-term total chlorophyll concentrations (µg/L)	1.0	2.0	4.0
Long-term Secchi depth (ft)	8.0	8.7	9.0

### 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>
Jan-13	7	130	3.0	.
Feb-10	12	300	4.0	.
Mar-10	12	230	2.0	.
Apr-01	6	200	1.0	9.0
May-12	9	260	2.0	.
Jun-09	9	160	.	.
Jul-14	15	160	2.0	.
Aug-11	14	160	3.0	8.0
Sep-08	11	230	1.0	9.0
Oct-14	8	130	1.0	.
Nov-10	6	140	1.0	.
Dec-08	10	260	1.0	.
2001 Average	10	197	1.9	8.7

## CBA Ft. Walton Beach-7 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°25'30", Longitude 86°31'36"

**Period of record:** 13 sampling dates; December 9, 2000 to December 8, 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 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	9	25
Long-term specific conductance (mmhos)	18	29	39

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	6	10	15
Long-term total nitrogen concentrations (µg/L)	100	195	310
Long-term total chlorophyll concentrations (µg/L)	1.0	2.2	5.0
Long-term Secchi depth (ft)	8.0	13.4	20.0

### 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>
Jan-13	6	100	3.0	10.5
Feb-10	10	210	5.0	9.0
Mar-10	13	250	2.0	13.8
Apr-01	12	310	3.0	8.0
May-12	12	230	1.0	17.0
Jun-09	8	140	.	20.0
Jul-14	14	260	2.0	9.0
Aug-11	13	170	3.0	15.0
Sep-08	12	230	1.0	10.0
Oct-14	15	160	2.0	13.0
Nov-10	6	150	1.0	20.0
Dec-08	7	100	1.0	14.5
2001 Average	11	193	2.2	13.3

## CBA Ft. Walton Beach-8 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°27'16", Longitude 86°31'48"

**Period of record:** 13 sampling dates; December 9, 2000 to December 8, 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 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	7	12
Long-term specific conductance (mmhos)	10	25	40

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	5	11	27
Long-term total nitrogen concentrations (µg/L)	110	186	270
Long-term total chlorophyll concentrations (µg/L)	1.0	2.4	5.0
Long-term Secchi depth (ft)	.	.	.

### 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>
Jan-13	5	110	3.0	.
Feb-10	11	270	5.0	.
Mar-10	15	250	2.0	.
Apr-01	9	260	2.0	.
May-12	10	240	2.0	.
Jun-09	8	140	.	.
Jul-14	12	160	3.0	.
Aug-11	11	140	3.0	.
Sep-08	10	160	2.0	.
Oct-14	27	160	3.0	.
Nov-10	8	140	1.0	.
Dec-08	7	190	1.0	.
2001 Average	11	185	2.5	.

## CBA Ft. Walton Beach-9 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'55", Longitude 86°34'3"

**Period of record:** 13 sampling dates; December 9, 2000 to December 8, 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 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	9	24
Long-term specific conductance (mmhos)	19	29	41

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	10	15
Long-term total nitrogen concentrations (µg/L)	110	213	360
Long-term total chlorophyll concentrations (µg/L)	1.0	2.3	4.0
Long-term Secchi depth (ft)	9.0	13.4	19.5

### 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>
Jan-13	8	160	3.0	11.0
Feb-10	10	260	4.0	10.0
Mar-10	13	310	2.0	11.8
Apr-01	12	360	2.0	9.0
May-12	7	220	1.0	17.5
Jun-09	7	200	.	19.5
Jul-14	12	190	2.0	9.5
Aug-11	15	190	4.0	12.0
Sep-08	11	240	1.0	9.0
Oct-14	8	110	2.0	13.0
Nov-10	9	150	2.0	18.0
Dec-08	7	160	2.0	19.0
2001 Average	10	213	2.3	13.3

## CBA Ft. Walton Beach-10 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°25'52", Longitude 86°34'5"

**Period of record:** 13 sampling dates; December 9, 2000 to December 8, 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 8 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	9	19
Long-term specific conductance (mmhos)	16	29	41

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 13 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	6	10	15
Long-term total nitrogen concentrations (µg/L)	140	223	370
Long-term total chlorophyll concentrations (µg/L)	1.0	2.3	4.0
Long-term Secchi depth (ft)	.	.	.

### 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>
Jan-13	6	140	2.0	.
Feb-10	9	310	4.0	.
Mar-10	13	260	2.0	.
Apr-01	10	370	2.0	.
May-12	9	230	2.0	.
Jun-09	9	190	.	.
Jul-14	14	290	3.0	.
Aug-11	15	170	4.0	.
Sep-08	10	220	2.0	.
Oct-14	11	160	2.0	.
Nov-10	9	180	1.0	.
Dec-08	7	180	1.0	.
2001 Average	10	225	2.3	.

**CBA Niceville-1 (Okaloosa County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 30°30'10", Longitude 86°25'44"

**Period of record:** 12 sampling dates; January 22, 2001 to December 16, 2001

**Geologic formation** (Brooks 1981a):

The geology is dominated by undifferentiated sand with humate zones and concentrations of heavy minerals of the Pliocene

**Physiographic region** (Brooks 1981b):

The station lies in the Western Sand Hills subdivision of the Eglin Ridge division of the Southern Pine Hills District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	24	77
Long-term specific conductance (mmhos)	1	17	34

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	11	24
Long-term total nitrogen concentrations (µg/L)	140	251	390
Long-term total chlorophyll concentrations (µg/L)	0.0	3.6	7.0
Long-term Secchi depth (ft)	6.0	9.0	13.0

**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>
Jan-22	6	290	1.0	12.0
Feb-19	11	250	3.0	11.5
Mar-22	4	270	0.0	9.0
Apr-14	6	330	4.0	8.0
May-20	15	180	6.0	6.0
Jun-19	11	190	3.0	8.0
Jul-17	14	370	6.0	6.0
Aug-20	16	390	7.0	6.0
Sep-11	24	260	7.0	6.0
Oct-26	8	160	2.0	13.0
Nov-17	11	140	2.0	13.0
Dec-16	10	180	2.0	.
2001 Average	11	251	3.6	9.0

**CBA Niceville-2 (Okaloosa County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 30°29'5", Longitude 86°27'10"

**Period of record:** 12 sampling dates; January 22, 2001 to December 16, 2001

**Geologic formation** (Brooks 1981a):

The geology is dominated by undifferentiated sand with humate zones and concentrations of heavy minerals of the Pliocene

**Physiographic region** (Brooks 1981b):

The station lies in the Western Sand Hills subdivision of the Eglin Ridge division of the Southern Pine Hills District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	11	20
Long-term specific conductance (mmhos)	9	26	37

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	10	15	28
Long-term total nitrogen concentrations (µg/L)	120	277	400
Long-term total chlorophyll concentrations (µg/L)	1.0	5.1	12.0
Long-term Secchi depth (ft)	6.5	7.2	8.0

**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>
Jan-22	12	230	7.0	.
Feb-19	11	270	3.0	.
Mar-22	21	400	6.0	7.0
Apr-14	13	350	7.0	7.5
May-20	15	210	5.0	7.0
Jun-19	12	390	2.0	8.0
Jul-17	19	340	7.0	7.0
Aug-20	13	340	5.0	7.5
Sep-11	28	370	12.0	6.5
Oct-26	11	120	3.0	.
Nov-17	11	130	1.0	.
Dec-16	10	170	3.0	.
2001 Average	15	277	5.1	7.2

## CBA Niceville-3 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°28'23", Longitude 86°26'25"

**Period of record:** 12 sampling dates; January 22, 2001 to December 16, 2001

**Geologic formation** (Brooks 1981a):

The geology is dominated by undifferentiated sand with humate zones and concentrations of heavy minerals of the Pliocene

**Physiographic region** (Brooks 1981b):

The station lies in the Western Sand Hills subdivision of the Eglin Ridge division of the Southern Pine Hills District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	11	19
Long-term specific conductance (mmhos)	10	27	38

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	10	12	18
Long-term total nitrogen concentrations (µg/L)	120	233	370
Long-term total chlorophyll concentrations (µg/L)	1.0	3.0	5.0
Long-term Secchi depth (ft)	7.0	9.0	10.0

### 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>
Jan-22	10	200	5.0	10.0
Feb-19	11	220	2.0	.
Mar-22	13	270	3.0	.
Apr-14	12	340	5.0	.
May-20	13	180	3.0	7.0
Jun-19	13	200	2.0	10.0
Jul-17	18	370	4.0	.
Aug-20	11	320	4.0	.
Sep-11	13	250	3.0	.
Oct-29	10	180	1.0	.
Nov-17	10	120	1.0	.
Dec-16	11	150	3.0	.
2001 Average	12	233	3.0	9.0

**CBA Niceville-4 (Okaloosa County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 30°27'42", Longitude 86°26'1"

**Period of record:** 12 sampling dates; January 22, 2001 to December 16, 2001

**Geologic formation** (Brooks 1981a):

The geology is dominated by undifferentiated sand with humate zones and concentrations of heavy minerals of the Pliocene

**Physiographic region** (Brooks 1981b):

The station lies in the Western Sand Hills subdivision of the Eglin Ridge division of the Southern Pine Hills District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	12	29
Long-term specific conductance (mmhos)	13	28	37

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	13	18
Long-term total nitrogen concentrations (µg/L)	120	253	390
Long-term total chlorophyll concentrations (µg/L)	1.0	3.7	7.0
Long-term Secchi depth (ft)	8.0	8.4	9.5

**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>
Jan-22	12	300	7.0	9.5
Feb-19	10	250	3.0	.
Mar-22	15	270	4.0	8.5
Apr-14	16	390	7.0	8.0
May-20	12	160	3.0	8.0
Jun-19	16	310	3.0	9.0
Jul-17	15	310	4.0	8.0
Aug-20	13	320	4.0	8.0
Sep-11	13	290	3.0	8.0
Oct-29	18	170	1.0	.
Nov-17	12	120	2.0	.
Dec-16	8	150	3.0	.
2001 Average	13	253	3.7	8.4

**CBA Niceville-5 (Okaloosa County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 30°26'8", Longitude 86°25'30"

**Period of record:** 12 sampling dates; January 22, 2001 to December 16, 2001

**Geologic formation** (Brooks 1981a):

The geology is dominated by undifferentiated sand with humate zones and concentrations of heavy minerals of the Pliocene

**Physiographic region** (Brooks 1981b):

The station lies in the Western Sand Hills subdivision of the Eglin Ridge division of the Southern Pine Hills District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	10	14
Long-term specific conductance (mmhos)	7	24	38

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	11	16
Long-term total nitrogen concentrations (µg/L)	140	228	290
Long-term total chlorophyll concentrations (µg/L)	2.0	3.5	7.0
Long-term Secchi depth (ft)	6.0	10.4	16.5

**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>
Jan-22	7	220	4.0	10.0
Feb-19	12	240	3.0	12.0
Mar-22	10	260	3.0	8.5
Apr-14	10	220	7.0	8.8
May-20	8	200	2.0	12.0
Jun-19	16	290	3.0	7.0
Jul-17	12	270	4.0	9.0
Aug-20	12	290	4.0	6.0
Sep-11	14	250	5.0	8.0
Oct-29	14	190	2.0	15.0
Nov-17	8	140	2.0	16.5
Dec-16	10	170	3.0	12.0
2001 Average	11	228	3.5	10.4

**CBA Niceville-6 (Okaloosa County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 30°26'22", Longitude 86°26'13"

**Period of record:** 12 sampling dates; January 22, 2001 to December 16, 2001

**Geologic formation** (Brooks 1981a):

The geology is dominated by undifferentiated sand with humate zones and concentrations of heavy minerals of the Pliocene

**Physiographic region** (Brooks 1981b):

The station lies in the Western Sand Hills subdivision of the Eglin Ridge division of the Southern Pine Hills District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	10	20
Long-term specific conductance (mmhos)	5	27	39

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	6	12	17
Long-term total nitrogen concentrations (µg/L)	140	255	360
Long-term total chlorophyll concentrations (µg/L)	1.0	3.4	6.0
Long-term Secchi depth (ft)	6.0	10.1	17.0

**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>
Jan-22	9	260	5.0	8.3
Feb-19	12	230	3.0	10.5
Mar-22	15	360	3.0	9.0
Apr-14	6	160	6.0	8.8
May-20	10	320	1.0	11.0
Jun-19	14	260	3.0	7.0
Jul-17	16	330	4.0	8.0
Aug-20	14	340	4.0	6.0
Sep-11	17	320	4.0	8.0
Oct-29	10	180	3.0	16.0
Nov-17	8	160	2.0	17.0
Dec-16	10	140	3.0	11.0
2001 Average	12	255	3.4	10.1

**CBA Niceville-7 (Okaloosa County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 30°26'42", Longitude 86°28'18"

**Period of record:** 12 sampling dates; January 22, 2001 to December 16, 2001

**Geologic formation** (Brooks 1981a):

The geology is dominated by undifferentiated sand with humate zones and concentrations of heavy minerals of the Pliocene

**Physiographic region** (Brooks 1981b):

The station lies in the Western Sand Hills subdivision of the Eglin Ridge division of the Southern Pine Hills District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	10	29
Long-term specific conductance (mmhos)	6	27	39

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	13	21
Long-term total nitrogen concentrations (µg/L)	130	223	310
Long-term total chlorophyll concentrations (µg/L)	2.0	3.5	6.0
Long-term Secchi depth (ft)	8.0	11.4	20.0

**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>
Jan-22	12	280	6.0	8.0
Feb-19	12	230	3.0	13.0
Mar-22	15	250	4.0	8.0
Apr-14	7	160	4.0	10.0
May-20	14	230	2.0	13.0
Jun-19	14	240	3.0	8.0
Jul-17	21	310	4.0	9.0
Aug-20	12	300	4.0	8.0
Sep-11	13	250	5.0	8.0
Oct-29	9	160	2.0	20.0
Nov-17	10	130	2.0	20.0
Dec-16	12	130	3.0	12.0
2001 Average	13	223	3.5	11.4

## CBA Niceville-8 (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°29'7", Longitude 86°28'52"

**Period of record:** 12 sampling dates; January 22, 2001 to December 16, 2001

**Geologic formation** (Brooks 1981a):

The geology is dominated by undifferentiated sand with humate zones and concentrations of heavy minerals of the Pliocene

**Physiographic region** (Brooks 1981b):

The station lies in the Western Sand Hills subdivision of the Eglin Ridge division of the Southern Pine Hills District

### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	11	20
Long-term specific conductance (mmhos)	11	27	38

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	14	33
Long-term total nitrogen concentrations (µg/L)	140	273	450
Long-term total chlorophyll concentrations (µg/L)	2.0	4.4	11.0
Long-term Secchi depth (ft)	6.0	8.9	12.0

### 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>
Jan-22	8	260	5.0	7.0
Feb-19	12	250	3.0	12.0
Mar-22	11	300	3.0	10.0
Apr-14	11	330	3.0	8.0
May-20	15	320	6.0	8.0
Jun-19	10	190	3.0	8.3
Jul-17	21	450	6.0	7.0
Aug-20	11	250	5.0	8.0
Sep-11	33	440	11.0	6.0
Oct-26	10	150	2.0	12.0
Nov-17	14	140	2.0	.
Dec-16	13	190	4.0	12.0
2001 Average	14	273	4.4	8.9

**CBA Niceville-9 (Okaloosa County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 30°30'39", Longitude 86°29'4"

**Period of record:** 12 sampling dates; January 22, 2001 to December 16, 2001

**Geologic formation** (Brooks 1981a):

The geology is dominated by undifferentiated sand with humate zones and concentrations of heavy minerals of the Pliocene

**Physiographic region** (Brooks 1981b):

The station lies in the Western Sand Hills subdivision of the Eglin Ridge division of the Southern Pine Hills District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	12	20
Long-term specific conductance (mmhos)	6	27	43

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	6	13	27
Long-term total nitrogen concentrations (µg/L)	160	255	320
Long-term total chlorophyll concentrations (µg/L)	2.0	4.3	8.0
Long-term Secchi depth (ft)	6.0	8.4	12.0

**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>
Jan-22	6	210	3.0	10.0
Feb-19	9	280	2.0	11.0
Mar-22	12	280	2.0	8.5
Apr-14	10	310	5.0	7.0
May-20	14	320	6.0	9.0
Jun-19	12	190	4.0	7.0
Jul-17	16	310	7.0	6.5
Aug-20	15	290	8.0	7.0
Sep-11	27	300	.	6.0
Oct-26	12	160	3.0	.
Nov-17	12	180	3.0	.
Dec-16	11	230	4.0	12.0
2001 Average	13	255	4.3	8.4

**CBA Niceville-10 (Okaloosa County)**  
**Florida LAKEWATCH Water Chemistry Summary**

**Location:** Latitude 30°28'50", Longitude 86°27'44"

**Period of record:** 12 sampling dates; January 22, 2001 to December 16, 2001

**Geologic formation** (Brooks 1981a):

The geology is dominated by undifferentiated sand with humate zones and concentrations of heavy minerals of the Pliocene

**Physiographic region** (Brooks 1981b):

The station lies in the Western Sand Hills subdivision of the Eglin Ridge division of the Southern Pine Hills District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 9 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	11	19
Long-term specific conductance (mmhos)	6	26	37

**Long-term Florida LAKEWATCH Data**

Numbers reported below are the minimum, average and maximum value for the 12 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	13	26
Long-term total nitrogen concentrations (µg/L)	170	259	350
Long-term total chlorophyll concentrations (µg/L)	1.0	3.7	7.0
Long-term Secchi depth (ft)	7.5	7.8	8.0

**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>
Jan-22	9	240	5.0	.
Feb-19	10	230	3.0	.
Mar-22	18	320	5.0	.
Apr-14	11	240	4.0	.
May-20	10	200	3.0	.
Jun-19	12	250	3.0	.
Jul-17	16	280	4.0	.
Aug-20	12	330	4.0	8.0
Sep-11	26	350	7.0	7.5
Oct-26	10	210	2.0	.
Nov-17	7	290	1.0	.
Dec-16	9	170	3.0	.
2001 Average	13	259	3.7	7.8

## Coleman (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'41", Longitude 86°28'47"

**Period of record:** 42 sampling dates; May 18, 1997 to May 6, 2001

**Lake Region** (Griffith et al. 1997): Gulf Coast Lowlands (75-01)

**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 lake lies in the Coastal Strip division of the Apalachicola Delta District

#### Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.5	Total alkalinity (mg/L as CaCO <sub>3</sub> )	42.0
Conductance (µS/cm @ 25 °C)	247	Color (Pt-Co units)	65
Chloride (mg/L)	42.0		

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 1 sampling date:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	66	66	66

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 42 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	94	344	891
Long-term total nitrogen concentrations (µg/L)	533	1205	2247
Long-term total chlorophyll concentrations (µg/L)	3.0	64.0	213.0
Long-term Secchi depth (ft)	0.5	2.2	3.0

#### 2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 3 stations 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>
Feb-05	891	1983	13.0	3.0
Mar-04	569	1120	6.3	2.3
Apr-02	476	1217	139.3	2.0
May-06	353	903	41.5	2.0
2001 Average	572	1306	50.0	2.3

## Hurricane (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°56'19", Longitude 86°45'19"

**Period of record:** 10 sampling dates; March 23, 2001 to December 11, 2001

**Lake Region** (Griffith et al. 1997): Western Highlands (65-01)

**Geologic formation** (Brooks 1981a):

The geology is dominated by gravel, sand and clay of the Citronelle Formation

**Physiographic region** (Brooks 1981b):

The lake lies in the Blackwater Hills division of the Southern Pine Hills District

#### Supplemental water chemistry data

Data reported are means from 4 sampling dates:

pH	5.8	Total alkalinity (mg/L as CaCO <sub>3</sub> )	7.2
Conductance (µS/cm @ 25 °C)	23	Color (Pt-Co units)	16
Chloride (mg/L)	3.0	Silicon (mg/L)	0.7
Sulfate (mg/L)	4.6	Calcium (mg/L)	1.5
Magnesium (mg/L)	1.5	Sodium (mg/L)	1.9
Potassium (mg/L)	0.2	Iron (mg/L)	0.3

#### 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)	11	15	20

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 10 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	21	32	61
Long-term total nitrogen concentrations (µg/L)	433	587	1040
Long-term total chlorophyll concentrations (µg/L)	2.0	17.4	30.8
Long-term Secchi depth (ft)	4.3	6.0	9.0

#### 2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 4 stations 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>
Mar-23	21	453	2.0	9.0
Apr-24	21	433	4.3	8.6
May-23	61	683	26.5	4.8
Jun-15	42	1040	30.8	4.3
Jul-26	28	493	20.8	5.0
Aug-16	23	580	14.5	6.1
Sep-12	44	558	28.8	4.7
Oct-11	27	663	18.8	5.5
Nov-15	26	523	12.8	5.7
Dec-11	27	445	14.5	6.3
2001 Average	32	587	17.4	6.0

## Karick (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°53'45", Longitude 86°38'38"

**Period of record:** 10 sampling dates; March 23, 2001 to December 11, 2001

**Surface Area** (Shafer et al. 1986): 70 acres

**Lake Region** (Griffith et al. 1997): Western Highlands (65-01)

**Geologic formation** (Brooks 1981a):

The geology is dominated by silty fine sand to sandy clay of the Shoal River Formation

**Physiographic region** (Brooks 1981b):

The lake lies in the Blackwater Hills division of the Southern Pine Hills District

#### Supplemental water chemistry data

Data reported are means from 4 sampling dates:

pH	6.1	Total alkalinity (mg/L as CaCO <sub>3</sub> )	9.3
Conductance (µS/cm @ 25 °C)	29	Color (Pt-Co units)	19
Chloride (mg/L)	3.1	Silicon (mg/L)	1.3
Sulfate (mg/L)	5.1	Calcium (mg/L)	2.1
Magnesium (mg/L)	4.3	Sodium (mg/L)	1.9
Potassium (mg/L)	0.3	Iron (mg/L)	0.4

#### 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)	11	12	13

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 10 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	12	31	49
Long-term total nitrogen concentrations (µg/L)	317	526	830
Long-term total chlorophyll concentrations (µg/L)	3.3	24.1	58.0
Long-term Secchi depth (ft)	2.7	4.6	10.0

#### 2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 3 stations 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>
Mar-23	13	320	4.0	6.5
Apr-25	12	317	3.3	10.0
May-18	38	483	14.3	5.5
Jun-15	49	830	58.0	3.3
Jul-26	39	673	40.7	2.7
Aug-16	33	597	31.3	3.0
Sep-12	28	520	19.7	4.1
Oct-11	35	493	25.3	4.1
Nov-15	35	527	19.0	3.1
Dec-11	30	503	25.3	3.4
2001 Average	31	526	24.1	4.6

## Kell-Aire (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'15", Longitude 86°28'56"

**Period of record:** 31 sampling dates; April 19, 1997 to November 12, 2001

**Lake Region** (Griffith et al. 1997): Gulf Coast Lowlands (75-01)

**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 lake lies in the Coastal Strip division of the Apalachicola Delta District

#### Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	8.2	Total alkalinity (mg/L as CaCO <sub>3</sub> )	35.0
Conductance (µS/cm @ 25 °C)	218	Color (Pt-Co units)	70
Chloride (mg/L)	36.0		

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 1 sampling date:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	57	57	57

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 31 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	62	250	670
Long-term total nitrogen concentrations (µg/L)	693	1523	3817
Long-term total chlorophyll concentrations (µg/L)	12.0	83.8	358.0
Long-term Secchi depth (ft)	0.9	2.0	4.0

#### 2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 3 stations 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>
Feb-19	670	1517	86.0	2.5
Nov-12	177	1740	142.7	1.5
2001 Average	423	1628	114.3	2.0

## Quail (Okaloosa County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°23'37", Longitude 86°28'32"

**Period of record:** 20 sampling dates; July 19, 1999 to March 14, 2001

**Lake Region** (Griffith et al. 1997): Gulf Coast Lowlands (75-01)

**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 lake lies in the Coastal Strip division of the Apalachicola Delta District

#### Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	7.1	Total alkalinity (mg/L as CaCO <sub>3</sub> )	17.0
Conductance (µS/cm @ 25 °C)	126	Color (Pt-Co units)	30
Chloride (mg/L)	21.5		

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 1 sampling date:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	10	10	10

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 20 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	15	24	39
Long-term total nitrogen concentrations (µg/L)	277	434	610
Long-term total chlorophyll concentrations (µg/L)	3.3	11.3	77.0
Long-term Secchi depth (ft)	2.8	4.4	6.8

#### 2001 Florida LAKEWATCH Data

Numbers reported below are monthly averages calculated from 3 stations 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>
Jan-10	22	287	7.0	6.8
Feb-15	24	277	3.3	.
Mar-14	18	353	5.7	.
2001 Average	21	306	5.3	6.8

**Quail (Okaloosa County)**  
**Florida LAKEWATCH Aquatic Bird Summary**

**Period of record:** 5 sampling dates: August 25, 2001 to December 13, 2001

**Surface area:** Not available

Numbers reported below are the average numbers of each species seen using the sampling method of **Shore Walk** for 5 sampling events in 2001.

<u>Common Name</u>	<u>Mean Count</u>
American Coot	1.0
Blackbirds	17.0
Doves	2.6
Ducks	0.6
Great Blue Heron	1.0
Gulls	3.6
Mallard	2.4
Mourning Dove	1.2
Northern Mockingbird	1.8
Purple Finch	2.0
Red-Winged Blackbird	0.4
Ringed Turtle-Dove	3.2
Rock Dove	1.8
Sparrows	4.5
Terns	0.6
Wrens	0.4

## Spring (Okaloosa County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°24'6", Longitude 86°29'21"

**Period of record:** 1 sampling date; January 12, 1997

**Lake Region** (Griffith et al. 1997): Gulf Coast Lowlands (75-01)

**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 lake lies in the Coastal Strip division of the Apalachicola Delta District

### Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	7.2	Total alkalinity (mg/L as CaCO <sub>3</sub> )	15.0
Conductance (µS/cm @ 25 °C)	134	Color (Pt-Co units)	21
Chloride (mg/L)	21.0	Silicon (mg/L)	0.4
Sulfate (mg/L)	14.3	Iron (mg/L)	0.0

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 1 month sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	15	15	15
Long-term total nitrogen concentrations (µg/L)	780	780	780
Long-term total chlorophyll concentrations (µg/L)	4.7	4.7	4.7
Long-term Secchi depth (ft)	.	.	.

### 2001 Florida LAKEWATCH Data

No samples collected in 2001