

## Deer Point (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°16'8", Longitude 85°26'15"

**Period of record:** 72 sampling dates; January 10, 1990 to September 13, 1997

**Surface Area** (Shafer et al. 1986): 5000 acres

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

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

The geology is dominated by fine sand and silt with lenses of gravel and clay of the Apalachicola paleo-cusate delta and alluvial plain

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

The lake lies in the Delta Plain division of the Apalachicola Delta District

#### Supplemental water chemistry data

Data reported are means from 3 sampling dates:

pH	6.8	Total alkalinity (mg/L as CaCO <sub>3</sub> )	22.6
Conductance (µS/cm @ 25 °C)	60	Color (Pt-Co units)	62
Chloride (mg/L)	4.6	Silicon (mg/L)	3.8
Sulfate (mg/L)	6.0	Calcium (mg/L)	7.7
Magnesium (mg/L)	5.8	Sodium (mg/L)	4.1
Potassium (mg/L)	0.3	Iron (mg/L)	0.2

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 72 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	7	15
Long-term total nitrogen concentrations (µg/L)	70	246	567
Long-term total chlorophyll concentrations (µg/L)	0.0	1.6	4.7
Long-term Secchi depth (ft)	2.5	6.5	12.0

#### 2001 Florida LAKEWATCH Data

No samples collected in 2001

## East Bay-1 (Bay County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°2'18", Longitude 85°29'12"

**Period of record:** 53 sampling dates; February 11, 1990 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 Delta Plain and the Coastal Strip divisions 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)	7	12	22
Long-term specific conductance (mmhos)	27	36	45

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 53 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	16	24
Long-term total nitrogen concentrations (µg/L)	110	367	660
Long-term total chlorophyll concentrations (µg/L)	1.0	4.4	16.0
Long-term Secchi depth (ft)	2.5	5.5	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>
Mar-10	12	200	3.0	.
Jun-09	19	330	6.0	4.5
Jul-14	21	430	8.0	4.0
Nov-11	15	280	2.0	6.5
Dec-15	12	280	4.0	6.0
2001 Average	16	304	4.6	5.3

## East Bay-2 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°5'6", Longitude 85°31'36"

**Period of record:** 53 sampling dates; February 11, 1990 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 Delta Plain and the Coastal Strip divisions 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)	5	8	14
Long-term specific conductance (mmhos)	35	42	45

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 53 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	16	59
Long-term total nitrogen concentrations (µg/L)	130	331	680
Long-term total chlorophyll concentrations (µg/L)	1.0	4.0	14.0
Long-term Secchi depth (ft)	3.5	7.6	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-10	9	140	2.0	11.0
Jun-09	20	300	4.0	6.0
Jul-14	15	280	5.0	5.0
Nov-11	11	230	2.0	11.0
Dec-15	13	260	3.0	13.0
2001 Average	14	242	3.2	9.2

## East Bay-3 (Bay County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°6'30", Longitude 85°33'30"

**Period of record:** 53 sampling dates; February 11, 1990 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 Delta Plain and the Coastal Strip divisions 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	11
Long-term specific conductance (mmhos)	39	42	45

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 53 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	15	69
Long-term total nitrogen concentrations (µg/L)	130	309	710
Long-term total chlorophyll concentrations (µg/L)	1.0	4.1	16.0
Long-term Secchi depth (ft)	3.5	8.7	15.0

### 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-10	9	130	1.0	11.0
Jun-09	14	250	4.0	8.0
Jul-14	14	280	4.0	6.0
Nov-11	14	280	2.0	12.0
Dec-15	8	220	2.0	13.0
2001 Average	12	232	2.6	10.0

## East Bay-4 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°5'54", Longitude 85°36'18"

**Period of record:** 53 sampling dates; February 11, 1990 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 Delta Plain and the Coastal Strip divisions 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	6	10
Long-term specific conductance (mmhos)	42	45	47

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 53 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	5	15	38
Long-term total nitrogen concentrations (µg/L)	130	289	540
Long-term total chlorophyll concentrations (µg/L)	1.0	3.8	13.0
Long-term Secchi depth (ft)	3.5	9.1	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>
Mar-10	9	130	1.0	13.0
Jun-09	17	200	3.0	11.0
Jul-14	.	.	3.0	7.0
Nov-11	18	190	2.0	12.0
Dec-15	12	210	2.0	.
2001 Average	14	183	2.2	10.8

## East Bay-5 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°7'30", Longitude 85°37'48"

**Period of record:** 42 sampling dates; February 11, 1990 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	8	11
Long-term specific conductance (mmhos)	37	37	37

#### 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)	8	19	79
Long-term total nitrogen concentrations (µg/L)	150	312	860
Long-term total chlorophyll concentrations (µg/L)	1.0	3.7	11.0
Long-term Secchi depth (ft)	4.5	8.3	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>
May-04	13	340	2.0	.
Jun-22	13	240	.	.
Nov-11	15	260	2.0	11.0
Dec-15	11	160	3.0	9.0
2001 Average	13	250	2.3	10.0

## Grand Lagoon-1 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°10'6", Longitude 85°47'6"

**Period of record:** 19 sampling dates; December 21, 1997 to December 16, 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 Delta Plain and the Coastal Strip divisions 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)	24	27	30
Long-term specific conductance (mmhos)	23	27	32

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 19 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	47	108	600
Long-term total nitrogen concentrations (µg/L)	390	779	1160
Long-term total chlorophyll concentrations (µg/L)	12.0	29.3	80.0
Long-term Secchi depth (ft)	0.5	1.9	2.5

#### 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-11	47	390	26.0	2.0
Jun-10	.	.	25.0	2.0
Jul-15	67	450	16.0	.
Aug-12	.	.	61.0	0.5
Sep-16	67	680	21.0	2.0
Oct-14	.	.	16.0	1.0
Nov-18	103	1060	33.0	1.5
Dec-16	600	1160	45.0	0.5
2001 Average	177	748	30.4	1.4

## Grand Lagoon-2 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°9'54", Longitude 85°46'42"

**Period of record:** 19 sampling dates; December 21, 1997 to December 16, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 4 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	15	20	24
Long-term specific conductance (mmhos)	34	36	38

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 19 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	32	58	97
Long-term total nitrogen concentrations (µg/L)	220	622	860
Long-term total chlorophyll concentrations (µg/L)	8.0	18.2	52.0
Long-term Secchi depth (ft)	0.5	2.1	4.0

#### 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-11	32	220	8.0	2.0
Jun-10	.	.	18.0	3.5
Jul-15	56	670	16.0	.
Aug-12	.	.	52.0	0.5
Sep-16	77	730	12.0	2.5
Oct-14	.	.	13.0	1.0
Nov-18	94	640	14.0	1.5
Dec-16	70	670	19.0	0.5
2001 Average	66	586	19.0	1.6

## Grand Lagoon-3 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°9'24", Longitude 85°45'36"

**Period of record:** 60 sampling dates; February 11, 1990 to December 16, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	8	9	9
Long-term specific conductance (mmhos)	36	41	46

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 60 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	11	27	60
Long-term total nitrogen concentrations (µg/L)	190	419	1020
Long-term total chlorophyll concentrations (µg/L)	1.0	6.5	20.0
Long-term Secchi depth (ft)	2.5	5.3	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>
Mar-11	22	210	4.0	.
Jun-10	.	.	9.0	4.0
Jul-15	35	310	9.0	.
Aug-10	.	.	17.0	.
Sep-16	44	510	7.0	3.0
Oct-14	.	.	9.0	2.5
Nov-18	.	280	4.0	.
Dec-16	23	300	7.0	3.0
2001 Average	31	322	8.3	3.1

## Grand Lagoon-4 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°8'6", Longitude 85°43'42"

**Period of record:** 61 sampling dates; February 11, 1990 to December 16, 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 Delta Plain and the Coastal Strip divisions 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)	4	8	16
Long-term specific conductance (mmhos)	37	42	49

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 61 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	14	34
Long-term total nitrogen concentrations (µg/L)	120	282	700
Long-term total chlorophyll concentrations (µg/L)	1.0	2.9	26.0
Long-term Secchi depth (ft)	5.0	9.4	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-11	11	130	1.0	.
May-04	11	210	1.0	11.0
Jun-10	.	.	3.0	5.0
Jul-15	30	410	.	.
Aug-10	.	.	2.0	.
Sep-16	34	380	3.0	8.0
Oct-14	.	.	2.0	6.0
Nov-18	.	220	3.0	.
Dec-16	26	350	2.0	5.0
2001 Average	22	283	2.1	7.0

## Grand Lagoon-5 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°8'42", Longitude 85°44'42"

**Period of record:** 50 sampling dates; February 9, 1992 to December 16, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	8	12
Long-term specific conductance (mmhos)	38	44	48

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 50 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	22	42
Long-term total nitrogen concentrations (µg/L)	150	336	690
Long-term total chlorophyll concentrations (µg/L)	1.0	4.0	16.0
Long-term Secchi depth (ft)	3.0	6.7	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>
Mar-11	14	150	2.0	.
Jun-10	.	.	2.0	6.0
Jul-15	34	240	8.0	.
Aug-10	.	.	5.0	.
Sep-16	21	340	4.0	4.0
Oct-14	.	.	5.0	3.0
Nov-18	29	310	1.0	.
Dec-16	.	230	5.0	7.0
2001 Average	25	254	4.0	5.0

## Laird Bayou-1 (Bay County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°7'60", Longitude 85°30'23"

**Period of record:** 3 sampling dates; February 23, 2001 to July 14, 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 3 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	6	8
Long-term specific conductance (mmhos)	6	19	45

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	13	19
Long-term total nitrogen concentrations (µg/L)	110	220	300
Long-term total chlorophyll concentrations (µg/L)	1.0	3.0	5.0
Long-term Secchi depth (ft)	3.5	3.9	4.8

### 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>
Feb-23	19	300	5.0	3.5
Apr-22	12	250	1.0	4.8
Jul-14	7	110	.	3.5
2001 Average	13	220	3.0	3.9

## Laird Bayou-2 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°7'39", Longitude 85°31'8"

**Period of record:** 3 sampling dates; February 23, 2001 to July 14, 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 3 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	7	10
Long-term specific conductance (mmhos)	12	25	48

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	13	15	17
Long-term total nitrogen concentrations (µg/L)	260	277	290
Long-term total chlorophyll concentrations (µg/L)	3.0	4.5	6.0
Long-term Secchi depth (ft)	3.5	4.3	4.8

#### 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>
Feb-23	17	290	3.0	4.8
Apr-22	13	260	6.0	4.5
Jul-14	15	280	.	3.5
2001 Average	15	277	4.5	4.3

## Laird Bayou-3 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°7'6", Longitude 85°31'8"

**Period of record:** 3 sampling dates; February 23, 2001 to July 14, 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 3 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	6	8	10
Long-term specific conductance (mmhos)	12	31	47

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	13	16	20
Long-term total nitrogen concentrations (µg/L)	230	297	420
Long-term total chlorophyll concentrations (µg/L)	2.0	6.5	11.0
Long-term Secchi depth (ft)	5.0	6.3	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>
Feb-23	13	230	2.0	9.0
Apr-22	14	420	11.0	5.0
Jul-14	20	240	.	5.0
2001 Average	16	297	6.5	6.3

## Marin (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°12'52", Longitude 85°39'20"

**Period of record:** 8 sampling dates; April 29, 2001 to December 16, 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 Delta Plain 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)	0	1	2

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 8 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	2	3	6
Long-term total nitrogen concentrations (µg/L)	77	105	137
Long-term total chlorophyll concentrations (µg/L)	1.0	2.5	5.0
Long-term Secchi depth (ft)	16.9	18.6	20.3

#### 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>
Apr-29	2	80	1.7	.
May-28	2	100	1.7	18.7
Jul-14	3	77	3.3	20.3
Aug-26	4	103	2.7	16.9
Sep-16	6	137	5.0	17.9
Oct-14	5	130	2.3	19.5
Nov-11	3	113	2.7	17.7
Dec-16	3	97	1.0	19.1
2001 Average	3	105	2.5	18.6

## North Bay-1 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°15'48", Longitude 85°37'0"

**Period of record:** 56 sampling dates; February 11, 1990 to December 16, 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 Delta Plain division of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 4 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	10	17
Long-term specific conductance (mmhos)	18	22	25

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 56 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	13	27
Long-term total nitrogen concentrations (µg/L)	110	267	630
Long-term total chlorophyll concentrations (µg/L)	0.0	2.7	10.0
Long-term Secchi depth (ft)	1.8	5.6	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>
Mar-11	10	120	2.0	.
Jun-08	14	290	3.0	7.0
Jul-14	16	170	6.0	4.5
Sep-16	22	300	5.0	4.5
Nov-19	16	230	3.0	.
Dec-16	12	160	4.0	6.0
2001 Average	15	212	3.8	5.5

## North Bay-2 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°15'42", Longitude 85°39'6"

**Period of record:** 56 sampling dates; February 11, 1990 to December 16, 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 Delta Plain division of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 4 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	13	24
Long-term specific conductance (mmhos)	18	29	34

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 56 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	5	12	21
Long-term total nitrogen concentrations (µg/L)	90	263	980
Long-term total chlorophyll concentrations (µg/L)	1.0	2.9	15.0
Long-term Secchi depth (ft)	1.5	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-11	7	90	1.0	10.0
Jun-08	12	300	2.0	8.0
Jul-14	14	150	5.0	4.5
Sep-16	19	310	4.0	6.5
Nov-19	12	180	2.0	7.0
Dec-16	13	220	3.0	8.0
2001 Average	13	208	2.8	7.3

## North Bay-3 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°15'12", Longitude 85°41'6"

**Period of record:** 56 sampling dates; February 11, 1990 to December 16, 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 Delta Plain division of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 4 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	6	11	16
Long-term specific conductance (mmhos)	32	38	41

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 56 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	5	13	32
Long-term total nitrogen concentrations (µg/L)	90	256	550
Long-term total chlorophyll concentrations (µg/L)	0.0	2.8	11.0
Long-term Secchi depth (ft)	3.0	7.8	14.5

#### 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-11	8	160	2.0	10.0
Jun-08	11	250	1.0	12.0
Jul-14	21	280	5.0	6.5
Sep-16	19	260	4.0	7.0
Nov-19	20	220	2.0	9.0
Dec-16	15	190	4.0	8.0
2001 Average	16	227	3.0	8.8

## North Bay-4 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°13'36", Longitude 85°42'36"

**Period of record:** 56 sampling dates; February 11, 1990 to December 16, 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 Delta Plain division of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 4 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	9	13
Long-term specific conductance (mmhos)	20	36	42

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 56 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	12	22
Long-term total nitrogen concentrations (µg/L)	70	241	440
Long-term total chlorophyll concentrations (µg/L)	1.0	2.5	6.0
Long-term Secchi depth (ft)	2.5	8.5	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-11	10	150	1.0	12.0
Jun-08	12	240	2.0	11.0
Jul-14	22	270	3.0	6.5
Sep-16	19	300	5.0	6.0
Nov-19	10	200	1.0	7.0
Dec-16	14	210	3.0	10.0
2001 Average	15	228	2.5	8.8

## Powell (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°16'7", Longitude 85°58'49"

**Period of record:** 74 sampling dates; February 11, 1991 to December 16, 2001

**Surface Area** (Shafer et al. 1986): 657 acres

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

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

The geology is dominated by fine sand and silt with lenses of gravel and clay of the Apalachicola paleo-cusate delta and alluvial plain

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

The lake lies in the Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 2 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	15	19	23

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 74 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	14	25
Long-term total nitrogen concentrations (µg/L)	218	398	725
Long-term total chlorophyll concentrations (µg/L)	1.0	4.2	10.3
Long-term Secchi depth (ft)	2.0	6.0	10.4

#### 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-11	10	218	1.8	10.4
May-06	11	273	1.5	8.8
Jun-10	13	338	2.8	7.0
Jul-15	12	318	1.5	9.5
Aug-11	13	385	3.0	3.6
Sep-16	11	335	5.0	7.5
Oct-14	9	250	2.8	9.7
Nov-11	7	235	2.8	8.9
Dec-16	13	333	3.3	8.9
2001 Average	11	298	2.7	8.2

## Powell Creek East-1 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°16'0", Longitude 85°57'20"

**Period of record:** 8 sampling dates; February 27, 2001 to December 15, 2001

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

The geology is dominated by fine sand and silt with lenses of gravel and clay of the Apalachicola paleo-cusplate delta and alluvial plain

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

The station lies in the Delta Plain and the Coastal Strip divisions 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)	14	40	55
Long-term specific conductance (mmhos)	36	36	36

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 8 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	9	13	16
Long-term total nitrogen concentrations (µg/L)	280	350	500
Long-term total chlorophyll concentrations (µg/L)	2.0	3.6	6.0
Long-term Secchi depth (ft)	3.5	3.5	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>
Feb-27	12	330	2.0	.
May-06	13	310	2.0	.
Jun-16	9	440	3.0	.
Jul-21	16	500	6.0	3.5
Sep-08	.	.	4.0	.
Oct-13	16	290	5.0	.
Dec-01	9	280	4.0	.
Dec-15	16	300	3.0	.
2001 Average	13	350	3.6	3.5

## Powell Creek East-2 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°15'43", Longitude 85°57'1"

**Period of record:** 8 sampling dates; February 27, 2001 to December 15, 2001

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

The geology is dominated by fine sand and silt with lenses of gravel and clay of the Apalachicola paleo-cusate delta and alluvial plain

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

The station lies in the Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

**Supplemental water chemistry data**

Data reported are means from 1 sampling date:

pH	6.6	Total alkalinity (mg/L as CaCO <sub>3</sub> )	13.0
Conductance (µS/cm @ 25 °C)	23900	Color (Pt-Co units)	15
Chloride (mg/L)	8575.0		

**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)	46	139	229
Long-term specific conductance (mmhos)	3	3	3

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 8 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	12	20
Long-term total nitrogen concentrations (µg/L)	290	479	880
Long-term total chlorophyll concentrations (µg/L)	0.0	4.6	20.0
Long-term Secchi depth (ft)	1.8	4.3	7.5

### 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>
Feb-27	14	340	3.0	7.5
May-06	12	290	5.0	4.0
Jun-16	8	780	1.0	.
Jul-21	8	880	2.0	1.8
Sep-08	.	.	0.0	1.9
Oct-13	20	380	20.0	3.4
Dec-01	13	350	3.0	6.6
Dec-15	11	330	3.0	5.0
2001 Average	12	479	4.6	4.3

## Powell Creek East-3 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°15'42", Longitude 85°56'52"

**Period of record:** 8 sampling dates; February 27, 2001 to December 15, 2001

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

The geology is dominated by fine sand and silt with lenses of gravel and clay of the Apalachicola paleo-cusplate delta and alluvial plain

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

The station lies in the Delta Plain and the Coastal Strip divisions 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)	53	126	215
Long-term specific conductance (mmhos)	2	2	2

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 8 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	12	21
Long-term total nitrogen concentrations (µg/L)	360	504	950
Long-term total chlorophyll concentrations (µg/L)	0.0	4.0	10.0
Long-term Secchi depth (ft)	1.5	4.3	7.7

### 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>
Feb-27	21	360	10.0	.
May-06	14	380	7.0	3.2
Jun-16	8	690	3.0	.
Jul-21	8	950	1.0	1.8
Sep-08	.	.	0.0	1.5
Oct-13	12	360	7.0	4.6
Dec-01	9	400	1.0	7.7
Dec-15	12	390	3.0	6.7
2001 Average	12	504	4.0	4.3

## Powell South (Bay County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°16'19", Longitude 85°59'11"

**Period of record:** 3 sampling dates; November 8, 1999 to March 6, 2000

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

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

The geology is dominated by fine sand and silt with lenses of gravel and clay of the Apalachicola paleo-cusate delta and alluvial plain

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

The lake lies in the Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 3 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	10	11
Long-term total nitrogen concentrations (µg/L)	233	298	333
Long-term total chlorophyll concentrations (µg/L)	1.3	1.9	2.3
Long-term Secchi depth (ft)	10.7	11.2	11.8

### 2001 Florida LAKEWATCH Data

No samples collected in 2001

## St. Andrew Bay-1 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°10'30", Longitude 85°44'12"

**Period of record:** 46 sampling dates; February 11, 1990 to November 21, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	7	12
Long-term specific conductance (mmhos)	30	36	47

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 46 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	12	27
Long-term total nitrogen concentrations (µg/L)	60	265	580
Long-term total chlorophyll concentrations (µg/L)	1.0	2.5	7.0
Long-term Secchi depth (ft)	3.0	10.4	18.0

#### 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>
May-04	10	160	2.0	.
Jul-03	17	270	1.0	3.0
Aug-31	16	410	1.0	3.0
Sep-19	20	310	.	7.0
Nov-21	13	220	4.0	8.0
2001 Average	15	274	2.0	5.3

## St. Andrew Bay-2 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°9'24", Longitude 85°41'6"

**Period of record:** 46 sampling dates; February 11, 1990 to November 21, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	2	6	10
Long-term specific conductance (mmhos)	33	37	43

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 46 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	12	32
Long-term total nitrogen concentrations (µg/L)	90	254	510
Long-term total chlorophyll concentrations (µg/L)	0.0	2.4	6.0
Long-term Secchi depth (ft)	2.5	13.0	24.5

#### 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>
May-04	11	350	1.0	.
Jul-03	12	260	0.0	9.0
Aug-31	16	440	2.0	2.5
Sep-19	17	210	5.0	9.0
Nov-21	10	260	2.0	14.0
2001 Average	13	304	2.0	8.6

## St. Andrew Bay-3 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°8'24", Longitude 85°39'30"

**Period of record:** 46 sampling dates; February 11, 1990 to November 21, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	3	6	9
Long-term specific conductance (mmhos)	34	39	45

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 46 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	14	29
Long-term total nitrogen concentrations (µg/L)	120	292	1000
Long-term total chlorophyll concentrations (µg/L)	0.0	3.2	10.0
Long-term Secchi depth (ft)	5.0	10.9	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>
May-04	17	170	2.0	.
Jul-03	11	180	0.0	8.0
Aug-31	18	490	5.0	5.0
Sep-19	18	250	4.0	8.0
Nov-21	11	140	3.0	13.0
2001 Average	15	246	2.8	8.5

## St. Andrew Bay-6 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°5'36", Longitude 85°39'18"

**Period of record:** 46 sampling dates; February 11, 1990 to November 21, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	2	4	7
Long-term specific conductance (mmhos)	34	39	45

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 46 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	13	84
Long-term total nitrogen concentrations (µg/L)	110	256	610
Long-term total chlorophyll concentrations (µg/L)	0.0	1.7	4.0
Long-term Secchi depth (ft)	2.0	12.8	24.0

#### 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>
May-04	9	160	1.0	.
Jul-03	9	160	0.0	10.0
Aug-31	12	330	2.0	8.0
Sep-19	14	250	3.0	9.0
Nov-21	29	310	2.0	15.0
2001 Average	15	242	1.6	10.5

## St. Andrew Bay-7 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°7'12", Longitude 85°43'48"

**Period of record:** 47 sampling dates; February 11, 1990 to November 21, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	1	2	2
Long-term specific conductance (mmhos)	38	42	47

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 47 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	11	45
Long-term total nitrogen concentrations (µg/L)	90	247	940
Long-term total chlorophyll concentrations (µg/L)	0.0	1.6	5.0
Long-term Secchi depth (ft)	6.0	19.5	33.0

#### 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>
May-04	3	210	1.0	.
Jun-22	10	100	.	.
Jul-03	.	.	1.0	6.0
Aug-31	11	290	1.0	22.0
Sep-19	9	170	1.0	31.0
Nov-21	14	140	2.0	.
2001 Average	9	182	1.2	19.7

## St. Andrew Bay-8 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°5'24", Longitude 85°46'24"

**Period of record:** 46 sampling dates; February 11, 1990 to November 21, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	0	1	4
Long-term specific conductance (mmhos)	40	45	49

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 46 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	5	8	15
Long-term total nitrogen concentrations (µg/L)	60	219	670
Long-term total chlorophyll concentrations (µg/L)	0.0	0.9	3.0
Long-term Secchi depth (ft)	3.0	28.8	46.0

### 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>
May-04	5	160	0.0	.
Jul-03	7	220	1.0	33.0
Aug-31	8	210	1.0	3.0
Sep-19	8	190	1.0	27.0
Nov-21	9	150	1.0	36.0
2001 Average	7	186	0.8	24.8

## St. Andrew Bay-10 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°4'28", Longitude 85°37'19"

**Period of record:** 4 sampling dates; May 4, 2001 to November 21, 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 Delta Plain and the Coastal Strip divisions 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)	2	5	10
Long-term specific conductance (mmhos)	40	41	41

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 4 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	11	16
Long-term total nitrogen concentrations (µg/L)	110	143	170
Long-term total chlorophyll concentrations (µg/L)	1.0	1.5	2.0
Long-term Secchi depth (ft)	10.0	10.0	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>
May-04	8	170	.	.
Jun-22	16	110	.	.
Jul-03	.	.	1.0	10.0
Nov-21	10	150	2.0	.
2001 Average	11	143	1.5	10.0

## St. Andrew Bay-11 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°7'56", Longitude 85°40'58"

**Period of record:** 1 sampling date; November 21, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### 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)	4	4	4
Long-term specific conductance (mmhos)	46	46	46

#### 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)	20	20	20
Long-term total nitrogen concentrations (µg/L)	250	250	250
Long-term total chlorophyll concentrations (µg/L)	6.0	6.0	6.0
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>
Nov-21	20	250	6.0	.
2001 Average	20	250	6.0	.

## West Bay-1 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°14'42", Longitude 85°50'0"

**Period of record:** 58 sampling dates; February 11, 1990 to December 16, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

**Periodic water chemistry data**

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	8	13	26
Long-term specific conductance (mmhos)	20	35	41

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 58 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	21	43
Long-term total nitrogen concentrations (µg/L)	130	349	680
Long-term total chlorophyll concentrations (µg/L)	1.0	5.4	18.0
Long-term Secchi depth (ft)	1.5	4.9	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>
Mar-11	14	130	2.0	8.0
Jun-08	25	330	5.0	6.0
Jul-13	14	160	18.0	3.0
Aug-10	25	500	7.0	4.0
Sep-16	34	350	14.0	2.5
Oct-14	27	350	9.0	3.0
Nov-19	16	170	4.0	6.0
Dec-16	21	200	7.0	5.0
2001 Average	22	274	8.3	4.7

## West Bay-2 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°16'6", Longitude 85°48'30"

**Period of record:** 58 sampling dates; February 11, 1990 to December 16, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	12	22
Long-term specific conductance (mmhos)	21	34	42

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 58 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	16	34
Long-term total nitrogen concentrations (µg/L)	80	307	580
Long-term total chlorophyll concentrations (µg/L)	1.0	4.6	12.0
Long-term Secchi depth (ft)	3.0	5.7	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-11	12	140	2.0	8.0
Jun-08	19	320	4.0	5.0
Jul-13	34	290	12.0	3.0
Aug-10	22	480	6.0	.
Sep-16	34	270	9.0	4.5
Oct-14	20	220	9.0	3.0
Nov-19	8	80	3.0	7.0
Dec-16	23	220	9.0	3.5
2001 Average	22	253	6.8	4.9

## West Bay-3 (Bay County) Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°18'0", Longitude 85°46'0"

**Period of record:** 58 sampling dates; February 11, 1990 to December 16, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	6	10	16
Long-term specific conductance (mmhos)	25	35	45

### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 58 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	14	27
Long-term total nitrogen concentrations (µg/L)	110	291	590
Long-term total chlorophyll concentrations (µg/L)	1.0	4.4	15.0
Long-term Secchi depth (ft)	3.0	5.6	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>
Mar-11	10	110	2.0	.
Jun-08	22	280	5.0	3.5
Jul-13	27	350	8.0	4.0
Aug-10	25	390	14.0	3.0
Sep-16	24	150	11.0	5.0
Oct-14	21	300	7.0	4.0
Nov-19	15	140	3.0	6.0
Dec-16	11	180	4.0	6.0
2001 Average	19	238	6.8	4.5

## West Bay-4 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°14'24", Longitude 85°44'30"

**Period of record:** 58 sampling dates; February 11, 1990 to December 16, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	4	8	15
Long-term specific conductance (mmhos)	21	32	44

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 58 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	6	13	29
Long-term total nitrogen concentrations (µg/L)	70	282	530
Long-term total chlorophyll concentrations (µg/L)	1.0	3.4	12.0
Long-term Secchi depth (ft)	3.5	8.4	15.5

#### 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-11	10	190	2.0	10.0
Jun-08	14	220	2.0	10.0
Jul-13	20	370	6.0	8.0
Aug-10	15	430	5.0	4.5
Sep-16	23	270	6.0	7.5
Oct-14	19	280	4.0	5.0
Nov-19	7	70	2.0	8.0
Dec-16	15	130	3.0	10.0
2001 Average	15	245	3.8	7.9

## West Bay-5 (Bay County)

### Florida LAKEWATCH Water Chemistry Summary

**Location:** Latitude 30°12'6", Longitude 85°44'0"

**Period of record:** 58 sampling dates; February 11, 1990 to December 16, 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 Delta Plain and the Coastal Strip divisions of the Apalachicola Delta District

#### Periodic water chemistry data

Numbers reported below are the minimum, average, and maximum value for the 5 sampling dates:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term color concentrations (Pt-Co units)	5	9	15
Long-term specific conductance (mmhos)	34	40	46

#### Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 58 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	5	13	22
Long-term total nitrogen concentrations (µg/L)	100	271	670
Long-term total chlorophyll concentrations (µg/L)	1.0	3.3	18.0
Long-term Secchi depth (ft)	3.5	9.1	18.5

#### 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-11	7	110	1.0	13.0
Jun-08	12	200	2.0	10.0
Jul-13	21	180	5.0	5.5
Aug-10	20	390	8.0	3.5
Sep-16	21	140	5.0	8.5
Oct-14	17	290	3.0	8.0
Nov-19	9	140	2.0	8.0
Dec-16	12	150	.	7.0
2001 Average	15	200	3.7	7.9