Blue (Washington County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°44'33", Longitude 85°33'4"

Period of record: 6 sampling dates; September 2, 1997 to November 9, 1998

Surface Area (Shafer et al. 1986): 30 acres

Lake Region (Griffith et al. 1997): Dougherty/Marianna Plains (65-02)

Geologic formation (Brooks 1981a)**:**
The geology is dominated by thick soils and residual weathered alluvium, mostly over limestone and red in color

Physiographic region (Brooks 1981b)**:**
The lake lies in the Limestone Terrain subdivision of the Marianna Red Lands division of the Dougherty Karst District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	7.1	Total alkalinity (mg/L as $CaCO_3$)	5.4
Conductance (µS/cm @ 25 °C)	29	Color (Pt-Co units)	12
Chloride (mg/L)	4.8	Silicon (mg/L)	1.1
Sulfate (mg/L)	3.3	Calcium (mg/L)	2.1
Magnesium (mg/L)	0.5	Sodium (mg/L)	1.8
Potassium (mg/L)	1.4	Iron (mg/L)	0.2

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	11	15	21
Long-term total nitrogen concentrations (µg/L)	280	458	680
Long-term total chlorophyll concentrations (µg/L)	3.7	7.3	14.0
Long-term Secchi depth (ft)	3.5	5.0	7.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Bream (Washington County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°34'9", Longitude 85°33'0"

Period of record: 11 sampling dates; October 31, 1996 to September 30, 1997

Lake Region (Griffith et al. 1997): New Hope Ridge/Greenhead Slope (65-03)

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 Crystal Lake Karst division of the Dougherty Karst District

Supplemental water chemistry data

Data reported are means from 2 sampling dates:

pH	5.4	Total alkalinity (mg/L as $CaCO_3$)	0.0
Conductance (µS/cm @ 25 °C)	13	Color (Pt-Co units)	2
Chloride (mg/L)	2.9	Silicon (mg/L)	0.2
Sulfate (mg/L)	0.6	Calcium (mg/L)	0.3
Magnesium (mg/L)	0.3	Sodium (mg/L)	1.3
Potassium (mg/L)	0.2	Iron (mg/L)	0.0

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 11 months sampled:

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	2	3	5
Long-term total nitrogen concentrations (µg/L)	63	108	167
Long-term total chlorophyll concentrations (µg/L)	0.3	0.9	1.0
Long-term Secchi depth (ft)	17.3	20.5	26.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Gap (Washington County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°33'2", Longitude 85°34'18"

Period of record: 7 sampling dates; April 20, 1997 to November 23, 1997

Surface Area (Shafer et al. 1986): 527 acres

Lake Region (Griffith et al. 1997): New Hope Ridge/Greenhead Slope (65-03)

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 Crystal Lake Karst division of the Dougherty Karst District

Supplemental water chemistry data

Data reported are means from 5 sampling dates:

pH	5.1	Total alkalinity (mg/L as $CaCO_3$)	0.6
Conductance (µS/cm @ 25 °C)	15	Color (Pt-Co units)	5
Chloride (mg/L)	2.8	Silicon (mg/L)	0.0
Sulfate (mg/L)	5.6	Calcium (mg/L)	0.6
Magnesium (mg/L)	0.4	Sodium (mg/L)	1.7
Potassium (mg/L)	0.2	Iron (mg/L)	0.0

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 7 months sampled:

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	2	3	4
Long-term total nitrogen concentrations (µg/L)	180	230	270
Long-term total chlorophyll concentrations (µg/L)	1.0	1.7	2.0
Long-term Secchi depth (ft)	8.6	13.0	17.8

2001 Florida LAKEWATCH Data

No samples collected in 2001

Gin (Washington County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°34'22", Longitude 85°33'1"

Period of record: 10 sampling dates; November 22, 1996 to September 30, 1997

Surface Area (Shafer et al. 1986): 43 acres

Lake Region (Griffith et al. 1997): New Hope Ridge/Greenhead Slope (65-03)

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 Crystal Lake Karst division of the Dougherty Karst District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	5.4	Total alkalinity (mg/L as $CaCO_3$)	0.0
Conductance (µS/cm @ 25 °C)	12	Color (Pt-Co units)	9
Chloride (mg/L)	2.9	Silicon (mg/L)	0.1
Sulfate (mg/L)	0.7	Calcium (mg/L)	0.2
Magnesium (mg/L)	0.2	Sodium (mg/L)	1.3
Potassium (mg/L)	0.0	Iron (mg/L)	0.0

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	2	3	5
Long-term total nitrogen concentrations (µg/L)	200	250	287
Long-term total chlorophyll concentrations (µg/L)	1.3	2.5	4.0
Long-term Secchi depth (ft)	7.3	8.9	10.5

2001 Florida LAKEWATCH Data

No samples collected in 2001

Little River (Washington County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°32'47", Longitude 85°35'42"

Period of record: 2 sampling dates; October 31, 1996 to January 15, 1997

Surface Area (Shafer et al. 1986): 23 acres

Lake Region (Griffith et al. 1997): New Hope Ridge/Greenhead Slope (65-03)

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 Crystal Lake Karst division of the Dougherty Karst District

Supplemental water chemistry data

Data reported are means from 1 sampling date:

pH	5.6	Total alkalinity (mg/L as $CaCO_3$)	0.5
Conductance (µS/cm @ 25 °C)	16	Color (Pt-Co units)	17
Chloride (mg/L)	4.2	Silicon (mg/L)	0.4
Sulfate (mg/L)	0.9	Calcium (mg/L)	0.6
Magnesium (mg/L)	0.3	Iron (mg/L)	0.0
Potassium (mg/L)	0.1		

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 2 months sampled:

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	2	4	5
Long-term total nitrogen concentrations (µg/L)	187	202	217
Long-term total chlorophyll concentrations (µg/L)	2.3	4.8	7.3
Long-term Secchi depth (ft)	9.3	10.0	10.8

2001 Florida LAKEWATCH Data

No samples collected in 2001

Rattlesnake (Washington County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 30°27'31", Longitude 85°34'2"

Period of record: 3 sampling dates; December 22, 1996 to May 6, 1997

Surface Area (Shafer et al. 1986): 100 acres

Lake Region (Griffith et al. 1997): New Hope Ridge/Greenhead Slope (65-03)

Geologic formation (Brooks 1981a)**:**
The geology is dominated by fine sand and silt with lenses of gravel and clay of the Apalachicola paleo-cuspate delta and alluvial plain

Physiographic region (Brooks 1981b)**:**
The lake lies in the Crystal Lake Karst division of the Dougherty Karst District

Long-term Florida LAKEWATCH Data

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

	Minimum	Average	Maximum
Long-term total phosphorus concentrations (µg/L)	3	3	4
Long-term total nitrogen concentrations (µg/L)	80	104	143
Long-term total chlorophyll concentrations (µg/L)	1.0	1.0	1.0
Long-term Secchi depth (ft)	13.5	17.3	21.0

2001 Florida LAKEWATCH Data

No samples collected in 2001