

Blackwater Canal-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°9'55", Longitude 80°23'2"

Period of record: 8 sampling dates; January 22, 2001 to November 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	12	13	16
Long-term specific conductance (mmhos)	36	43	48

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)	7	12	19
Long-term total nitrogen concentrations (µg/L)	390	488	660
Long-term total chlorophyll concentrations (µg/L)	0.0	2.3	9.0
Long-term Secchi depth (ft)	7.0	14.9	25.0

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	7	510	0.0	19.0
Feb-21	15	480	9.0	7.0
Mar-23	8	410	2.0	16.0
Jun-14	12	470	2.0	18.0
Jul-23	15	390	1.0	16.0
Aug-20	19	420	2.0	10.0
Sep-22	13	660	1.0	25.0
Nov-16	10	560	1.0	8.0
2001 Average	12	488	2.3	14.9

Blackwater Canal-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°9'59", Longitude 80°22'56"

Period of record: 8 sampling dates; January 22, 2001 to November 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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	15	22
Long-term specific conductance (mmhos)	35	43	48

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)	7	15	23
Long-term total nitrogen concentrations (µg/L)	350	465	650
Long-term total chlorophyll concentrations (µg/L)	0.0	1.5	2.0
Long-term Secchi depth (ft)	9.0	15.7	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	7	410	0.0	19.5
Feb-21	21	530	2.0	9.0
Mar-23	11	450	2.0	19.0
Jun-14	12	350	2.0	20.0
Jul-23	12	410	2.0	19.0
Aug-20	13	390	1.0	12.0
Sep-22	23	650	1.0	18.0
Nov-16	19	530	2.0	9.0
2001 Average	15	465	1.5	15.7

Blackwater Canal-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°9'59", Longitude 80°23'3"

Period of record: 8 sampling dates; January 22, 2001 to November 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	11	12	15
Long-term specific conductance (mmhos)	35	43	48

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)	7	11	20
Long-term total nitrogen concentrations (µg/L)	260	411	590
Long-term total chlorophyll concentrations (µg/L)	0.0	1.1	2.0
Long-term Secchi depth (ft)	9.0	15.9	19.0

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	420	0.0	18.5
Feb-21	8	440	1.0	10.0
Mar-23	7	480	2.0	18.0
Jun-14	12	310	2.0	18.0
Jul-23	17	340	1.0	19.0
Aug-20	12	260	2.0	17.0
Sep-22	20	590	0.0	18.0
Nov-16	7	450	1.0	9.0
2001 Average	11	411	1.1	15.9

Blackwater Sound-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°9'37", Longitude 80°23'54"

Period of record: 8 sampling dates; January 22, 2001 to November 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	5	7	8
Long-term specific conductance (mmhos)	34	43	52

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)	3	6	10
Long-term total nitrogen concentrations (µg/L)	300	498	660
Long-term total chlorophyll concentrations (µg/L)	0.0	1.0	3.0
Long-term Secchi depth (ft)	3.0	4.5	6.0

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	660	3.0	3.0
Feb-21	5	420	0.0	.
Mar-23	7	540	0.0	.
Jun-14	4	400	1.0	.
Jul-23	7	620	2.0	6.0
Aug-20	3	300	0.0	.
Sep-22	4	560	2.0	.
Nov-16	5	480	0.0	.
2001 Average	6	498	1.0	4.5

Blackwater Sound-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°9'54", Longitude 80°24'46"

Period of record: 8 sampling dates; January 22, 2001 to November 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	5	7	8
Long-term specific conductance (mmhos)	35	43	52

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)	4	5	8
Long-term total nitrogen concentrations (µg/L)	360	491	660
Long-term total chlorophyll concentrations (µg/L)	0.0	0.3	1.0
Long-term Secchi depth (ft)	5.0	5.0	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>
Jan-22	5	450	0.0	.
Feb-21	4	450	0.0	.
Mar-23	8	510	0.0	.
Jun-14	4	360	0.0	.
Jul-23	5	660	1.0	5.0
Aug-20	7	460	0.0	.
Sep-22	4	590	1.0	.
Nov-16	5	450	0.0	.
2001 Average	5	491	0.3	5.0

Blackwater Sound-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°10'20", Longitude 80°25'44"

Period of record: 8 sampling dates; January 22, 2001 to November 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	5	6	8
Long-term specific conductance (mmhos)	35	43	52

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	5	7
Long-term total nitrogen concentrations (µg/L)	290	484	580
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	1.0
Long-term Secchi depth (ft)	4.5	4.5	4.5

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	2	390	0.0	.
Feb-21	3	510	0.0	.
Mar-23	7	550	0.0	.
Jun-14	5	290	0.0	.
Jul-23	5	580	1.0	4.5
Aug-20	7	480	0.0	.
Sep-22	4	570	0.0	.
Nov-16	3	500	0.0	.
2001 Average	5	484	0.1	4.5

Cudjoe-1 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°40'6", Longitude 81°32'15"

Period of record: 11 sampling dates; February 15, 2001 to December 15, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	2	4	6
Long-term specific conductance (mmhos)	43	49	56

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	7	11
Long-term total nitrogen concentrations (µg/L)	140	234	280
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	1.0
Long-term Secchi depth (ft)	8.0	8.0	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>
Feb-15	7	170	0.0	8.0
Mar-15	8	280	0.0	8.0
Apr-18	3	140	0.0	8.0
May-17	6	230	0.0	8.0
Jun-16	.	.	0.0	.
Jul-14	4	270	0.0	8.0
Aug-15	5	270	0.0	8.0
Sep-15	7	270	0.0	8.0
Oct-16	11	250	1.0	8.0
Nov-15	7	260	0.0	8.0
Dec-15	9	200	0.0	.
2001 Average	7	234	0.1	8.0

Cudjoe-2 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'52", Longitude 81°30'32"

Period of record: 10 sampling dates; February 18, 2001 to December 15, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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	5	5
Long-term specific conductance (mmhos)	40	51	57

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)	5	7	12
Long-term total nitrogen concentrations (µg/L)	150	236	270
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
Long-term Secchi depth (ft)	7.0	9.9	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>
Feb-18	11	150	1.0	7.0
Mar-18	9	210	0.0	9.5
Apr-15	5	240	0.0	13.0
May-15	5	240	0.0	13.0
Jun-20	.	.	0.0	.
Aug-21	5	270	1.0	9.0
Sep-17	12	250	1.0	7.0
Oct-19	5	270	1.0	10.5
Nov-20	6	260	0.0	12.0
Dec-15	5	230	0.0	8.0
2001 Average	7	236	0.4	9.9

Cudjoe-3 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'48", Longitude 81°30'54"

Period of record: 10 sampling dates; February 18, 2001 to December 15, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	3	4	5
Long-term specific conductance (mmhos)	40	49	58

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)	4	7	11
Long-term total nitrogen concentrations (µg/L)	190	238	360
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	1.0
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>
Feb-18	8	210	1.0	.
Mar-18	9	230	0.0	.
Apr-15	4	190	0.0	.
May-15	4	360	0.0	.
Jun-20	.	.	0.0	.
Aug-23	5	240	0.0	.
Sep-17	11	230	0.0	.
Oct-19	8	260	0.0	.
Nov-20	6	220	0.0	.
Dec-15	5	200	0.0	.
2001 Average	7	238	0.1	.

Cudjoe-4 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'36", Longitude 81°30'36"

Period of record: 11 sampling dates; February 14, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	3	5	8
Long-term specific conductance (mmhos)	51	54	57

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	7	12
Long-term total nitrogen concentrations (µg/L)	210	263	320
Long-term total chlorophyll concentrations (µg/L)	0.0	0.0	0.0
Long-term Secchi depth (ft)	7.0	9.3	12.5

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-14	9	230	0.0	7.0
Mar-19	11	250	0.0	8.0
Apr-22	4	210	0.0	7.0
May-18	6	280	0.0	7.5
Jun-16	.	.	0.0	.
Jul-17	5	290	0.0	10.3
Aug-19	6	320	0.0	9.5
Sep-24	12	290	0.0	12.5
Oct-24	6	270	0.0	10.0
Nov-27	6	250	0.0	12.0
Dec-16	5	240	0.0	9.0
2001 Average	7	263	0.0	9.3

Cudjoe-5 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'36", Longitude 81°30'24"

Period of record: 11 sampling dates; February 14, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	3	4	5
Long-term specific conductance (mmhos)	50	54	58

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	7	12
Long-term total nitrogen concentrations (µg/L)	200	283	340
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
Long-term Secchi depth (ft)	6.0	8.3	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>
Feb-14	8	300	1.0	6.0
Mar-19	7	260	0.0	8.0
Apr-22	4	200	0.0	7.0
May-18	5	340	0.0	6.5
Jun-16	.	.	0.0	.
Jul-17	6	310	1.0	7.5
Aug-19	6	290	0.0	9.5
Sep-24	12	290	1.0	10.0
Oct-24	7	280	1.0	12.0
Nov-27	6	310	0.0	8.5
Dec-16	6	250	0.0	8.0
2001 Average	7	283	0.4	8.3

Cudjoe-6 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'48", Longitude 81°30'24"

Period of record: 11 sampling dates; February 14, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	4	5	6
Long-term specific conductance (mmhos)	51	55	58

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	7	12
Long-term total nitrogen concentrations (µg/L)	160	264	340
Long-term total chlorophyll concentrations (µg/L)	0.0	0.0	0.0
Long-term Secchi depth (ft)	5.0	7.7	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>
Feb-14	9	240	0.0	5.0
Mar-19	9	280	0.0	7.8
Apr-22	5	160	0.0	6.0
May-18	5	340	0.0	7.5
Jun-16	.	.	0.0	.
Jul-17	6	290	0.0	8.0
Aug-19	5	260	0.0	9.5
Sep-24	12	270	0.0	10.0
Oct-24	6	330	0.0	.
Nov-27	6	260	0.0	.
Dec-16	4	210	0.0	.
2001 Average	7	264	0.0	7.7

Cudjoe-7 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'21", Longitude 81°30'21"

Period of record: 11 sampling dates; February 14, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	3	5	7
Long-term specific conductance (mmhos)	33	50	58

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	11
Long-term total nitrogen concentrations (µg/L)	190	277	340
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	1.0
Long-term Secchi depth (ft)	7.5	9.3	11.5

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-14	7	270	0.0	9.0
Mar-19	8	270	0.0	7.8
Apr-22	3	190	0.0	9.0
May-18	7	340	0.0	8.5
Jun-16	.	.	0.0	.
Jul-17	6	280	0.0	8.0
Aug-19	5	270	0.0	11.5
Sep-24	11	290	0.0	11.0
Oct-24	7	290	1.0	10.0
Nov-27	5	320	0.0	7.5
Dec-16	5	250	0.0	11.0
2001 Average	6	277	0.1	9.3

Cudjoe-8 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'36", Longitude 81°30'27"

Period of record: 10 sampling dates; March 19, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	3	5	6
Long-term specific conductance (mmhos)	45	51	58

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)	4	7	11
Long-term total nitrogen concentrations (µg/L)	200	283	340
Long-term total chlorophyll concentrations (µg/L)	0.0	0.0	0.0
Long-term Secchi depth (ft)	7.0	8.7	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>
Mar-19	7	290	0.0	7.5
Apr-22	4	200	0.0	7.0
May-18	5	300	0.0	7.5
Jun-16	.	.	0.0	.
Jul-17	4	340	0.0	10.0
Aug-19	7	260	0.0	9.5
Sep-24	11	260	0.0	8.5
Oct-24	7	320	0.0	12.0
Nov-27	7	290	0.0	9.0
Dec-16	7	290	0.0	7.0
2001 Average	7	283	0.0	8.7

Dove-1 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°1'42", Longitude 80°29'57"

Period of record: 13 sampling dates; December 19, 2000 to December 27, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The station lies in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	10	15	20
Long-term specific conductance (mmhos)	43	48	52

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)	4	8	13
Long-term total nitrogen concentrations (µg/L)	240	314	420
Long-term total chlorophyll concentrations (µg/L)	0.0	1.1	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>
Jan-24	10	290	0.0	.
Feb-26	5	270	1.0	.
Mar-25	8	370	1.0	.
Apr-24	10	420	1.0	.
May-21	6	280	1.0	.
Jun-26	4	240	1.0	.
Jul-26	6	350	1.0	.
Aug-26	13	400	1.0	.
Sep-23	8	310	1.0	.
Oct-24	9	250	1.0	.
Nov-21	8	280	1.0	.
Dec-27	6	260	1.0	.
2001 Average	8	310	0.9	.

Dove-2 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°1'42", Longitude 80°30'2"

Period of record: 13 sampling dates; December 19, 2000 to December 27, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The station lies in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	9	13	19
Long-term specific conductance (mmhos)	42	47	52

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	7	12
Long-term total nitrogen concentrations (µg/L)	240	307	450
Long-term total chlorophyll concentrations (µg/L)	0.0	1.1	2.0
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-24	8	300	0.0	.
Feb-26	5	280	1.0	.
Mar-25	6	330	1.0	.
Apr-24	9	360	2.0	.
May-21	7	300	1.0	.
Jun-26	5	240	1.0	.
Jul-26	9	450	1.0	.
Aug-26	12	340	1.0	.
Sep-23	7	310	1.0	.
Oct-24	8	280	1.0	.
Nov-21	8	270	1.0	.
Dec-27	7	280	2.0	.
2001 Average	8	312	1.1	.

Dove-3 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°1'41", Longitude 80°30'10"

Period of record: 13 sampling dates; December 19, 2000 to December 27, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The station lies in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	7	10	14
Long-term specific conductance (mmhos)	37	45	54

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)	4	7	12
Long-term total nitrogen concentrations (µg/L)	200	268	400
Long-term total chlorophyll concentrations (µg/L)	0.0	0.9	2.0
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-24	4	210	0.0	.
Feb-26	5	240	1.0	.
Mar-25	10	250	1.0	.
Apr-24	5	250	1.0	.
May-21	7	300	1.0	.
Jun-26	10	400	0.0	.
Jul-26	6	320	2.0	.
Aug-26	12	360	1.0	.
Sep-23	7	280	0.0	.
Oct-24	8	230	1.0	.
Nov-21	7	200	1.0	.
Dec-27	7	250	1.0	.
2001 Average	7	274	0.8	.

Harry Harris Park Canal-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°1'27", Longitude 80°29'50"

Period of record: 13 sampling dates; December 18, 2000 to December 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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	8	13
Long-term specific conductance (mmhos)	38	44	53

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)	9	23	46
Long-term total nitrogen concentrations (µg/L)	170	415	700
Long-term total chlorophyll concentrations (µg/L)	0.0	12.3	41.0
Long-term Secchi depth (ft)	4.0	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>
Jan-24	9	170	0.0	.
Feb-22	26	430	.	6.0
Mar-18	17	330	9.0	6.0
Apr-24	13	350	2.0	6.0
May-20	32	500	25.0	7.0
Jun-22	31	700	31.0	6.0
Jul-26	28	560	22.0	4.0
Aug-19	46	650	41.0	5.0
Sep-22	29	540	9.0	.
Oct-23	26	420	4.0	8.0
Nov-24	17	270	1.0	.
Dec-24	12	240	3.0	9.0
2001 Average	24	430	13.4	6.3

Harry Harris Park Canal-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°1'27", Longitude 80°29'47"

Period of record: 13 sampling dates; December 18, 2000 to December 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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	7	10
Long-term specific conductance (mmhos)	37	43	50

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	14	23
Long-term total nitrogen concentrations (µg/L)	180	282	510
Long-term total chlorophyll concentrations (µg/L)	0.0	6.1	16.0
Long-term Secchi depth (ft)	5.0	6.5	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-24	5	180	0.0	.
Feb-22	9	190	.	.
Mar-18	12	290	8.0	8.0
Apr-24	11	270	2.0	.
May-20	14	330	7.0	.
Jun-22	21	510	16.0	.
Jul-26	23	400	12.0	5.0
Aug-19	21	210	15.0	.
Sep-22	18	280	6.0	.
Oct-23	19	380	3.0	.
Nov-24	11	230	1.0	.
Dec-24	12	220	2.0	.
2001 Average	15	291	6.5	6.5

Harry Harris Park Canal-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°1'22", Longitude 80°29'46"

Period of record: 13 sampling dates; December 18, 2000 to December 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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	6	8
Long-term specific conductance (mmhos)	41	46	54

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	10	17
Long-term total nitrogen concentrations (µg/L)	170	236	400
Long-term total chlorophyll concentrations (µg/L)	0.0	2.5	10.0
Long-term Secchi depth (ft)	5.0	5.0	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>
Jan-24	5	210	0.0	.
Feb-22	5	240	.	.
Mar-18	13	300	2.0	.
Apr-24	7	210	1.0	.
May-20	7	210	1.0	.
Jun-22	12	310	5.0	.
Jul-26	16	400	10.0	5.0
Aug-19	17	170	6.0	.
Sep-22	8	210	1.0	.
Oct-23	8	230	1.0	.
Nov-24	9	200	1.0	.
Dec-24	10	180	1.0	.
2001 Average	10	239	2.6	5.0

Pine Channel-1 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°40'32", Longitude 81°22'23"

Period of record: 6 sampling dates; June 15, 2001 to December 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The station lies in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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	7	8
Long-term specific conductance (mmhos)	49	52	56

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	5	9	14
Long-term total nitrogen concentrations (µg/L)	230	287	330
Long-term total chlorophyll concentrations (µg/L)	1.0	1.7	3.0
Long-term Secchi depth (ft)	13.0	17.2	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>
Jun-15	8	300	1.0	19.0
Jul-18	5	280	1.0	20.0
Aug-16	5	250	1.0	18.5
Sep-26	9	330	1.0	16.0
Nov-14	12	330	3.0	13.0
Dec-19	14	230	3.0	16.5
2001 Average	9	287	1.7	17.2

Pine Channel-2 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°40'34", Longitude 81°23'21"

Period of record: 6 sampling dates; June 15, 2001 to December 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The station lies in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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	7	8
Long-term specific conductance (mmhos)	34	48	56

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	9	11
Long-term total nitrogen concentrations (µg/L)	250	310	370
Long-term total chlorophyll concentrations (µg/L)	2.0	2.3	3.0
Long-term Secchi depth (ft)	15.0	15.4	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>
Jun-15	7	320	2.0	16.0
Jul-18	9	290	3.0	15.0
Aug-16	8	370	2.0	15.0
Sep-26	11	280	3.0	15.0
Nov-14	11	350	2.0	16.0
Dec-19	8	250	2.0	.
2001 Average	9	310	2.3	15.4

Pine Channel-3 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°40'20", Longitude 81°23'3"

Period of record: 6 sampling dates; June 15, 2001 to December 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The station lies in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	4	5	6
Long-term specific conductance (mmhos)	40	48	55

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	5	7
Long-term total nitrogen concentrations (µg/L)	210	247	290
Long-term total chlorophyll concentrations (µg/L)	0.0	0.7	1.0
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>
Jun-15	4	230	0.0	.
Jul-18	3	250	0.0	.
Aug-16	3	210	1.0	.
Sep-26	7	290	1.0	.
Nov-14	6	230	1.0	.
Dec-19	5	270	1.0	.
2001 Average	5	247	0.7	.

Pine Channel-4 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'55", Longitude 81°23'1"

Period of record: 6 sampling dates; June 15, 2001 to December 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The station lies in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	4	5	6
Long-term specific conductance (mmhos)	42	49	57

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	5	7
Long-term total nitrogen concentrations (µg/L)	240	270	310
Long-term total chlorophyll concentrations (µg/L)	0.0	0.3	1.0
Long-term Secchi depth (ft)	15.0	15.0	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>
Jun-15	4	310	0.0	.
Jul-18	3	290	0.0	.
Aug-16	4	250	0.0	.
Sep-26	5	240	1.0	.
Nov-14	7	280	0.0	.
Dec-19	5	250	1.0	15.0
2001 Average	5	270	0.3	15.0

Ramrod Key-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'34", Longitude 81°24'24"

Period of record: 7 sampling dates; June 16, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	8	11	13
Long-term specific conductance (mmhos)	37	45	55

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	13	27
Long-term total nitrogen concentrations (µg/L)	240	373	470
Long-term total chlorophyll concentrations (µg/L)	1.0	1.4	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>
Jun-16	14	470	3.0	.
Jul-21	11	350	1.0	.
Aug-18	8	360	1.0	.
Sep-23	11	450	2.0	.
Oct-20	27	470	1.0	.
Nov-18	9	270	1.0	.
Dec-16	9	240	1.0	.
2001 Average	13	373	1.4	.

Ramrod Key (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Ramrod Key (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

September 21, 2001

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Ramrod Key	Monroe	1a	Open water	100	10
Ramrod Key	Monroe	1b	Open water	520	70
Ramrod Key	Monroe	2a	Open water	210	10
Ramrod Key	Monroe	2b	Open water	130	0
Ramrod Key	Monroe	3a	Open water	240	20
Ramrod Key	Monroe	3b	Open water	360	40
Ramrod Key	Monroe	4a	Open water	0	0
Ramrod Key	Monroe	4b	Open water	0	0
Ramrod Key	Monroe	5a	Open water	0	0
Ramrod Key	Monroe	5b	Open water	10	0
Ramrod Key	Monroe	6a	Open water	70	10
Ramrod Key	Monroe	6b	Open water	30	10

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 520 MPN. Total coliform bacteria exceeded 1,000 MPN in 0% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 70 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Ramrod Key-2 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'44", Longitude 81°24'22"

Period of record: 7 sampling dates; June 16, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	7	10	13
Long-term specific conductance (mmhos)	41	48	54

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	8	12	18
Long-term total nitrogen concentrations (µg/L)	250	368	490
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>
Jun-16	18	490	3.0	.
Jul-21	18	480	1.0	.
Aug-18	8	330	1.0	.
Sep-23	.	.	1.0	.
Oct-20	9	250	3.0	.
Nov-18	9	410	1.0	.
Dec-16	8	250	1.0	.
2001 Average	12	368	1.6	.

Ramrod Key (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Ramrod Key (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

September 21, 2001

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Ramrod Key	Monroe	1a	Open water	100	10
Ramrod Key	Monroe	1b	Open water	520	70
Ramrod Key	Monroe	2a	Open water	210	10
Ramrod Key	Monroe	2b	Open water	130	0
Ramrod Key	Monroe	3a	Open water	240	20
Ramrod Key	Monroe	3b	Open water	360	40
Ramrod Key	Monroe	4a	Open water	0	0
Ramrod Key	Monroe	4b	Open water	0	0
Ramrod Key	Monroe	5a	Open water	0	0
Ramrod Key	Monroe	5b	Open water	10	0
Ramrod Key	Monroe	6a	Open water	70	10
Ramrod Key	Monroe	6b	Open water	30	10

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 520 MPN. Total coliform bacteria exceeded 1,000 MPN in 0% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 70 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Ramrod Key-3 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'53", Longitude 81°24'28"

Period of record: 7 sampling dates; June 16, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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	9	12
Long-term specific conductance (mmhos)	41	47	53

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	7	9	16
Long-term total nitrogen concentrations (µg/L)	200	350	450
Long-term total chlorophyll concentrations (µg/L)	1.0	1.4	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>
Jun-16	16	450	4.0	.
Jul-21	8	310	1.0	.
Aug-18	7	400	1.0	.
Sep-23	8	400	1.0	.
Oct-20	.	.	1.0	.
Nov-18	7	340	1.0	.
Dec-16	8	200	1.0	.
2001 Average	9	350	1.4	.

Ramrod Key (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Ramrod Key (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

September 21, 2001

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Ramrod Key	Monroe	1a	Open water	100	10
Ramrod Key	Monroe	1b	Open water	520	70
Ramrod Key	Monroe	2a	Open water	210	10
Ramrod Key	Monroe	2b	Open water	130	0
Ramrod Key	Monroe	3a	Open water	240	20
Ramrod Key	Monroe	3b	Open water	360	40
Ramrod Key	Monroe	4a	Open water	0	0
Ramrod Key	Monroe	4b	Open water	0	0
Ramrod Key	Monroe	5a	Open water	0	0
Ramrod Key	Monroe	5b	Open water	10	0
Ramrod Key	Monroe	6a	Open water	70	10
Ramrod Key	Monroe	6b	Open water	30	10

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 520 MPN. Total coliform bacteria exceeded 1,000 MPN in 0% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 70 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Ramrod Key-4 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'25", Longitude 81°24'5"

Period of record: 7 sampling dates; June 16, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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	5	6
Long-term specific conductance (mmhos)	38	43	54

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	8
Long-term total nitrogen concentrations (µg/L)	200	300	440
Long-term total chlorophyll concentrations (µg/L)	0.0	0.6	1.0
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>
Jun-16	8	310	0.0	.
Jul-21	6	290	0.0	.
Aug-18	4	440	0.0	.
Sep-23	3	340	1.0	.
Oct-20	8	320	1.0	.
Nov-18	4	200	1.0	.
Dec-16	6	200	1.0	.
2001 Average	6	300	0.6	.

Ramrod Key (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Ramrod Key (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

September 21, 2001

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Ramrod Key	Monroe	1a	Open water	100	10
Ramrod Key	Monroe	1b	Open water	520	70
Ramrod Key	Monroe	2a	Open water	210	10
Ramrod Key	Monroe	2b	Open water	130	0
Ramrod Key	Monroe	3a	Open water	240	20
Ramrod Key	Monroe	3b	Open water	360	40
Ramrod Key	Monroe	4a	Open water	0	0
Ramrod Key	Monroe	4b	Open water	0	0
Ramrod Key	Monroe	5a	Open water	0	0
Ramrod Key	Monroe	5b	Open water	10	0
Ramrod Key	Monroe	6a	Open water	70	10
Ramrod Key	Monroe	6b	Open water	30	10

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 520 MPN. Total coliform bacteria exceeded 1,000 MPN in 0% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 70 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Ramrod Key-5 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'58", Longitude 81°24'3"

Period of record: 7 sampling dates; June 16, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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	4	5
Long-term specific conductance (mmhos)	34	45	55

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	6	10
Long-term total nitrogen concentrations (µg/L)	190	293	420
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
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>
Jun-16	6	420	0.0	.
Jul-21	7	220	0.0	.
Aug-18	4	360	1.0	.
Sep-23	4	330	1.0	.
Oct-20	10	300	1.0	.
Nov-18	4	230	0.0	.
Dec-16	7	190	0.0	.
2001 Average	6	293	0.4	.

Ramrod Key (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Ramrod Key (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

September 21, 2001

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Ramrod Key	Monroe	1a	Open water	100	10
Ramrod Key	Monroe	1b	Open water	520	70
Ramrod Key	Monroe	2a	Open water	210	10
Ramrod Key	Monroe	2b	Open water	130	0
Ramrod Key	Monroe	3a	Open water	240	20
Ramrod Key	Monroe	3b	Open water	360	40
Ramrod Key	Monroe	4a	Open water	0	0
Ramrod Key	Monroe	4b	Open water	0	0
Ramrod Key	Monroe	5a	Open water	0	0
Ramrod Key	Monroe	5b	Open water	10	0
Ramrod Key	Monroe	6a	Open water	70	10
Ramrod Key	Monroe	6b	Open water	30	10

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 520 MPN. Total coliform bacteria exceeded 1,000 MPN in 0% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 70 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Ramrod Key-6 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'48", Longitude 81°23'40"

Period of record: 7 sampling dates; June 16, 2001 to December 16, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	1	3	6
Long-term specific conductance (mmhos)	30	46	55

Long-term Florida LAKEWATCH Data

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

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	12
Long-term total nitrogen concentrations (µg/L)	150	229	440
Long-term total chlorophyll concentrations (µg/L)	0.0	0.7	1.0
Long-term Secchi depth (ft)	4.3	5.4	6.5

2001 Florida LAKEWATCH Data

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

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Jun-16	12	440	.	6.5
Jul-21	6	180	1.0	.
Aug-18	4	150	1.0	.
Sep-23	7	250	0.0	.
Oct-20	5	250	1.0	.
Nov-18	3	180	0.0	.
Dec-16	4	150	1.0	4.3
2001 Average	6	229	0.7	5.4

Ramrod Key (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Ramrod Key (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

September 21, 2001

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Ramrod Key	Monroe	1a	Open water	100	10
Ramrod Key	Monroe	1b	Open water	520	70
Ramrod Key	Monroe	2a	Open water	210	10
Ramrod Key	Monroe	2b	Open water	130	0
Ramrod Key	Monroe	3a	Open water	240	20
Ramrod Key	Monroe	3b	Open water	360	40
Ramrod Key	Monroe	4a	Open water	0	0
Ramrod Key	Monroe	4b	Open water	0	0
Ramrod Key	Monroe	5a	Open water	0	0
Ramrod Key	Monroe	5b	Open water	10	0
Ramrod Key	Monroe	6a	Open water	70	10
Ramrod Key	Monroe	6b	Open water	30	10

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 520 MPN. Total coliform bacteria exceeded 1,000 MPN in 0% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Ramrod Key on September 21, 2001 ranged from 0 to 70 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf A-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'46", Longitude 81°33'41"

Period of record: 25 sampling dates; January 21, 1999 to September 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	11	11	11
Long-term specific conductance (mmhos)	49	49	49

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	7	11
Long-term total nitrogen concentrations (µg/L)	220	307	450
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
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>
Sep-19	10	350	1.0	.
2001 Average	10	350	1.0	.

Sugarloaf A (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf A (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf A	Monroe	A1A	Open water	600	0
Sugarloaf A	Monroe	A1B	Open water	1100	0
Sugarloaf A	Monroe	A2A	Open water	800	200
Sugarloaf A	Monroe	A2B	Open water	800	0
Sugarloaf A	Monroe	A3A	Open water	1300	100
Sugarloaf A	Monroe	A3B	Open water	1200	100

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf A on March 15, 2000 ranged from 600 to 1300 MPN. Total coliform bacteria exceeded 1,000 MPN in 50% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf A on March 15, 2000 ranged from 0 to 200 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf A-2 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'46", Longitude 81°33'49"

Period of record: 25 sampling dates; January 21, 1999 to September 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	15	15	15
Long-term specific conductance (mmhos)	45	45	45

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 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)	180	330	520
Long-term total chlorophyll concentrations (µg/L)	0.0	0.8	2.0
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>
Sep-19	6	310	1.0	.
2001 Average	6	310	1.0	.

Sugarloaf A (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf A (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf A	Monroe	A1A	Open water	600	0
Sugarloaf A	Monroe	A1B	Open water	1100	0
Sugarloaf A	Monroe	A2A	Open water	800	200
Sugarloaf A	Monroe	A2B	Open water	800	0
Sugarloaf A	Monroe	A3A	Open water	1300	100
Sugarloaf A	Monroe	A3B	Open water	1200	100

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf A on March 15, 2000 ranged from 600 to 1300 MPN. Total coliform bacteria exceeded 1,000 MPN in 50% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf A on March 15, 2000 ranged from 0 to 200 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf A-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'45", Longitude 81°33'55"

Period of record: 25 sampling dates; January 21, 1999 to September 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	12	12	12
Long-term specific conductance (mmhos)	43	43	43

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	5	8	17
Long-term total nitrogen concentrations (µg/L)	230	333	540
Long-term total chlorophyll concentrations (µg/L)	0.0	0.7	2.0
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>
Sep-19	5	330	1.0	.
2001 Average	5	330	1.0	.

Sugarloaf A (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf A (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf A	Monroe	A1A	Open water	600	0
Sugarloaf A	Monroe	A1B	Open water	1100	0
Sugarloaf A	Monroe	A2A	Open water	800	200
Sugarloaf A	Monroe	A2B	Open water	800	0
Sugarloaf A	Monroe	A3A	Open water	1300	100
Sugarloaf A	Monroe	A3B	Open water	1200	100

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf A on March 15, 2000 ranged from 600 to 1300 MPN. Total coliform bacteria exceeded 1,000 MPN in 50% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf A on March 15, 2000 ranged from 0 to 200 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf B-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'55", Longitude 81°32'52"

Period of record: 24 sampling dates; January 25, 1999 to December 14, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	5	9	17
Long-term total nitrogen concentrations (µg/L)	220	353	570
Long-term total chlorophyll concentrations (µg/L)	0.0	1.0	2.0
Long-term Secchi depth (ft)	6.0	6.0	6.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf B (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf B (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf B	Monroe	B1A	Open water	800	100
Sugarloaf B	Monroe	B1B	Open water	700	400
Sugarloaf B	Monroe	B2A	Open water	2100	200
Sugarloaf B	Monroe	B2B	Open water	600	100
Sugarloaf B	Monroe	B3A	Open water	0	0
Sugarloaf B	Monroe	B3B	Open water	1600	200

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf B on March 15, 2000 ranged from 0 to 2100 MPN. Total coliform bacteria exceeded 1,000 MPN in 33% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf B on March 15, 2000 ranged from 0 to 400 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf B-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'56", Longitude 81°32'54"

Period of record: 24 sampling dates; January 25, 1999 to December 14, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	9	16
Long-term total nitrogen concentrations (µg/L)	210	347	500
Long-term total chlorophyll concentrations (µg/L)	0.0	0.8	2.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf B (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf B (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf B	Monroe	B1A	Open water	800	100
Sugarloaf B	Monroe	B1B	Open water	700	400
Sugarloaf B	Monroe	B2A	Open water	2100	200
Sugarloaf B	Monroe	B2B	Open water	600	100
Sugarloaf B	Monroe	B3A	Open water	0	0
Sugarloaf B	Monroe	B3B	Open water	1600	200

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf B on March 15, 2000 ranged from 0 to 2100 MPN. Total coliform bacteria exceeded 1,000 MPN in 33% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf B on March 15, 2000 ranged from 0 to 400 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf B-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'1", Longitude 81°32'48"

Period of record: 24 sampling dates; January 25, 1999 to December 14, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	7	16
Long-term total nitrogen concentrations (µg/L)	210	325	520
Long-term total chlorophyll concentrations (µg/L)	0.0	0.3	2.0
Long-term Secchi depth (ft)	.	.	.

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf B (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf B (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf B	Monroe	B1A	Open water	800	100
Sugarloaf B	Monroe	B1B	Open water	700	400
Sugarloaf B	Monroe	B2A	Open water	2100	200
Sugarloaf B	Monroe	B2B	Open water	600	100
Sugarloaf B	Monroe	B3A	Open water	0	0
Sugarloaf B	Monroe	B3B	Open water	1600	200

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf B on March 15, 2000 ranged from 0 to 2100 MPN. Total coliform bacteria exceeded 1,000 MPN in 33% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf B on March 15, 2000 ranged from 0 to 400 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf C-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'49", Longitude 81°32'57"

Period of record: 25 sampling dates; January 9, 1999 to September 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	8	8	8
Long-term specific conductance (mmhos)	40	40	40

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	14
Long-term total nitrogen concentrations (µg/L)	210	288	400
Long-term total chlorophyll concentrations (µg/L)	0.0	0.6	2.0
Long-term Secchi depth (ft)	9.0	11.3	14.0

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>
Sep-19	8	340	1.0	.
2001 Average	8	340	1.0	.

Sugarloaf C (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf C (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf C	Monroe	C1A	Open water	500	0
Sugarloaf C	Monroe	C1B	Open water	1000	0
Sugarloaf C	Monroe	C2A	Open water	2500	0
Sugarloaf C	Monroe	C2B	Open water	1400	100
Sugarloaf C	Monroe	C3A	Open water	200	0
Sugarloaf C	Monroe	C3B	Open water	500	0

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf C on March 15, 2000 ranged from 200 to 2500 MPN. Total coliform bacteria exceeded 1,000 MPN in 33% of the samples. Total coliform bacteria did exceed 2,400 at one station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf C on March 15, 2000 ranged from 0 to 100 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf C-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'46", Longitude 81°32'60"

Period of record: 25 sampling dates; January 9, 1999 to September 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	8	8	8
Long-term specific conductance (mmhos)	42	42	42

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	22
Long-term total nitrogen concentrations (µg/L)	180	279	420
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
Long-term Secchi depth (ft)	9.0	9.5	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>
Sep-19	6	390	1.0	.
2001 Average	6	390	1.0	.

Sugarloaf C (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf C (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf C	Monroe	C1A	Open water	500	0
Sugarloaf C	Monroe	C1B	Open water	1000	0
Sugarloaf C	Monroe	C2A	Open water	2500	0
Sugarloaf C	Monroe	C2B	Open water	1400	100
Sugarloaf C	Monroe	C3A	Open water	200	0
Sugarloaf C	Monroe	C3B	Open water	500	0

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf C on March 15, 2000 ranged from 200 to 2500 MPN. Total coliform bacteria exceeded 1,000 MPN in 33% of the samples. Total coliform bacteria did exceed 2,400 at one station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf C on March 15, 2000 ranged from 0 to 100 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf C-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'44", Longitude 81°33'3"

Period of record: 25 sampling dates; January 9, 1999 to September 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	5	5	5
Long-term specific conductance (mmhos)	43	43	43

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	5	8
Long-term total nitrogen concentrations (µg/L)	180	278	370
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
Long-term Secchi depth (ft)	9.0	10.5	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>
Sep-19	5	330	1.0	.
2001 Average	5	330	1.0	.

Sugarloaf C (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf C (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf C	Monroe	C1A	Open water	500	0
Sugarloaf C	Monroe	C1B	Open water	1000	0
Sugarloaf C	Monroe	C2A	Open water	2500	0
Sugarloaf C	Monroe	C2B	Open water	1400	100
Sugarloaf C	Monroe	C3A	Open water	200	0
Sugarloaf C	Monroe	C3B	Open water	500	0

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf C on March 15, 2000 ranged from 200 to 2500 MPN. Total coliform bacteria exceeded 1,000 MPN in 33% of the samples. Total coliform bacteria did exceed 2,400 at one station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf C on March 15, 2000 ranged from 0 to 100 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf D-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'36", Longitude 81°33'43"

Period of record: 25 sampling dates; December 13, 1998 to December 27, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	12
Long-term total nitrogen concentrations (µg/L)	150	294	430
Long-term total chlorophyll concentrations (µg/L)	0.0	0.5	1.0
Long-term Secchi depth (ft)	9.0	13.4	16.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf D (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf D (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf D	Monroe	D1A	Open water	1100	0
Sugarloaf D	Monroe	D1B	Open water	1000	0
Sugarloaf D	Monroe	D2A	Open water	500	0
Sugarloaf D	Monroe	D2B	Open water	300	0
Sugarloaf D	Monroe	D3A	Open water	400	100
Sugarloaf D	Monroe	D3B	Open water	1000	0

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf D on March 15, 2000 ranged from 300 to 1100 MPN. Total coliform bacteria exceeded 1,000 MPN in 16.7% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf D on March 15, 2000 ranged from 0 to 100 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf D-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'34", Longitude 81°33'45"

Period of record: 25 sampling dates; December 13, 1998 to December 27, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	5	8
Long-term total nitrogen concentrations (µg/L)	180	282	350
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
Long-term Secchi depth (ft)	10.0	10.5	11.5

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf D (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf D (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf D	Monroe	D1A	Open water	1100	0
Sugarloaf D	Monroe	D1B	Open water	1000	0
Sugarloaf D	Monroe	D2A	Open water	500	0
Sugarloaf D	Monroe	D2B	Open water	300	0
Sugarloaf D	Monroe	D3A	Open water	400	100
Sugarloaf D	Monroe	D3B	Open water	1000	0

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf D on March 15, 2000 ranged from 300 to 1100 MPN. Total coliform bacteria exceeded 1,000 MPN in 16.7% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf D on March 15, 2000 ranged from 0 to 100 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf D-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'30", Longitude 81°33'50"

Period of record: 25 sampling dates; December 13, 1998 to December 27, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	8
Long-term total nitrogen concentrations (µg/L)	190	295	380
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
Long-term Secchi depth (ft)	10.0	11.1	13.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf D (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf D (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf D	Monroe	D1A	Open water	1100	0
Sugarloaf D	Monroe	D1B	Open water	1000	0
Sugarloaf D	Monroe	D2A	Open water	500	0
Sugarloaf D	Monroe	D2B	Open water	300	0
Sugarloaf D	Monroe	D3A	Open water	400	100
Sugarloaf D	Monroe	D3B	Open water	1000	0

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf D on March 15, 2000 ranged from 300 to 1100 MPN. Total coliform bacteria exceeded 1,000 MPN in 16.7% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf D on March 15, 2000 ranged from 0 to 100 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf E-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'33", Longitude 81°34'5"

Period of record: 24 sampling dates; January 21, 1999 to December 27, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	9
Long-term total nitrogen concentrations (µg/L)	210	310	460
Long-term total chlorophyll concentrations (µg/L)	0.0	0.5	1.0
Long-term Secchi depth (ft)	9.0	11.5	13.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf E (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf E (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf E	Monroe	E1A	Open water	500	0
Sugarloaf E	Monroe	E1B	Open water	500	0
Sugarloaf E	Monroe	E2A	Open water	100	0
Sugarloaf E	Monroe	E2B	Open water	500	0
Sugarloaf E	Monroe	E3A	Open water	100	0
Sugarloaf E	Monroe	E3B	Open water	600	100

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf E on March 15, 2000 ranged from 100 to 600 MPN. Total coliform bacteria exceeded 1,000 MPN in 0% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf E on March 15, 2000 ranged from 0 to 100 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf E-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'32", Longitude 81°34'4"

Period of record: 24 sampling dates; January 21, 1999 to December 27, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations ($\mu\text{g/L}$)	3	6	13
Long-term total nitrogen concentrations ($\mu\text{g/L}$)	210	305	440
Long-term total chlorophyll concentrations ($\mu\text{g/L}$)	0.0	0.3	1.0
Long-term Secchi depth (ft)	10.5	11.0	12.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf E (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf E (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf E	Monroe	E1A	Open water	500	0
Sugarloaf E	Monroe	E1B	Open water	500	0
Sugarloaf E	Monroe	E2A	Open water	100	0
Sugarloaf E	Monroe	E2B	Open water	500	0
Sugarloaf E	Monroe	E3A	Open water	100	0
Sugarloaf E	Monroe	E3B	Open water	600	100

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf E on March 15, 2000 ranged from 100 to 600 MPN. Total coliform bacteria exceeded 1,000 MPN in 0% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf E on March 15, 2000 ranged from 0 to 100 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf E-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'30", Longitude 81°34'3"

Period of record: 24 sampling dates; January 21, 1999 to December 27, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations ($\mu\text{g/L}$)	3	5	8
Long-term total nitrogen concentrations ($\mu\text{g/L}$)	220	304	440
Long-term total chlorophyll concentrations ($\mu\text{g/L}$)	0.0	0.3	1.0
Long-term Secchi depth (ft)	10.0	10.0	10.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf E (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf E (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf E	Monroe	E1A	Open water	500	0
Sugarloaf E	Monroe	E1B	Open water	500	0
Sugarloaf E	Monroe	E2A	Open water	100	0
Sugarloaf E	Monroe	E2B	Open water	500	0
Sugarloaf E	Monroe	E3A	Open water	100	0
Sugarloaf E	Monroe	E3B	Open water	600	100

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf E on March 15, 2000 ranged from 100 to 600 MPN. Total coliform bacteria exceeded 1,000 MPN in 0% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf E on March 15, 2000 ranged from 0 to 100 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf F-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'13", Longitude 81°33'55"

Period of record: 24 sampling dates; January 21, 1999 to December 27, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	11
Long-term total nitrogen concentrations (µg/L)	230	312	380
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
Long-term Secchi depth (ft)	10.0	10.3	11.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf F (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf F (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf F	Monroe	F1A	Open water	1300	0
Sugarloaf F	Monroe	F1B	Open water	1100	0
Sugarloaf F	Monroe	F2A	Open water	100	0
Sugarloaf F	Monroe	F2B	Open water	200	0
Sugarloaf F	Monroe	F3A	Open water	900	0
Sugarloaf F	Monroe	F3B	Open water	200	0

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf F on March 15, 2000 ranged from 100 to 1300 MPN. Total coliform bacteria exceeded 1,000 MPN in 33% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf F on March 15, 2000 ranged from 0 to 0 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf F-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'13", Longitude 81°33'52"

Period of record: 24 sampling dates; January 21, 1999 to December 27, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	9
Long-term total nitrogen concentrations (µg/L)	180	303	410
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	2.0
Long-term Secchi depth (ft)	9.5	10.7	11.5

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf F (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf F (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf F	Monroe	F1A	Open water	1300	0
Sugarloaf F	Monroe	F1B	Open water	1100	0
Sugarloaf F	Monroe	F2A	Open water	100	0
Sugarloaf F	Monroe	F2B	Open water	200	0
Sugarloaf F	Monroe	F3A	Open water	900	0
Sugarloaf F	Monroe	F3B	Open water	200	0

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf F on March 15, 2000 ranged from 100 to 1300 MPN. Total coliform bacteria exceeded 1,000 MPN in 33% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf F on March 15, 2000 ranged from 0 to 0 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf F-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'14", Longitude 81°33'49"

Period of record: 24 sampling dates; January 21, 1999 to December 27, 2000

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 24 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	2	6	13
Long-term total nitrogen concentrations (µg/L)	200	309	420
Long-term total chlorophyll concentrations (µg/L)	0.0	0.3	1.0
Long-term Secchi depth (ft)	9.0	9.0	9.0

2001 Florida LAKEWATCH Data

No samples collected in 2001

Sugarloaf F (Monroe County)
Florida LAKEWATCH Bacteria Summary

The following table lists bacteria concentrations found in Sugarloaf F (Monroe County). These data are part of a statewide survey that Florida LAKEWATCH is conducting to determine patterns in the abundance of total coliforms and fecal coliforms among Florida water bodies. This is a one-time sample and can be used to describe the bacteria concentrations for that day and not throughout a year. It is important to remember that results could differ over the course of one year or several years based on varying environmental factors such as changes in water temperature, rainfall, aquatic plant abundance, algae blooms and others.

March 15, 2000

Lake	County	Station	Station Location	Total Coliforms (MPN)	Fecal Coliforms (MPN)
Sugarloaf F	Monroe	F1A	Open water	1300	0
Sugarloaf F	Monroe	F1B	Open water	1100	0
Sugarloaf F	Monroe	F2A	Open water	100	0
Sugarloaf F	Monroe	F2B	Open water	200	0
Sugarloaf F	Monroe	F3A	Open water	900	0
Sugarloaf F	Monroe	F3B	Open water	200	0

The Florida Administrative Code (FAC), Section 62-302.530 defines criteria for both total and fecal coliform bacteria for Class III waters. The FAC states that total coliform bacteria shall not exceed a count or Most Probable Number (MPN) of 1,000 bacteria per 100 milliliters of water in 20% or more of the samples examined during any month, nor exceed a MPN of 2,400 at any individual station. The FAC also states that fecal coliform bacteria shall not exceed a MPN of 400 in 10% or more of the samples, nor exceed a MPN of 800 at any individual station.

Total coliform bacteria counts for Sugarloaf F on March 15, 2000 ranged from 100 to 1300 MPN. Total coliform bacteria exceeded 1,000 MPN in 33% of the samples. Total coliform bacteria did not exceed 2,400 at any station. Total coliform bacteria were not within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Fecal coliform bacteria counts for Sugarloaf F on March 15, 2000 ranged from 0 to 0 MPN. Fecal coliform bacteria exceeded 400 MPN in 0% of the samples. Fecal coliform bacteria did not exceed 800 at any station. Fecal coliform bacteria were within the acceptable range as defined by the Florida Administrative Code (FAC), Section 62-302.530.

Sugarloaf G-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°40'37", Longitude 81°35'9"

Period of record: 26 sampling dates; December 21, 1998 to August 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	6	6	6
Long-term specific conductance (mmhos)	53	53	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	9	24
Long-term total nitrogen concentrations (µg/L)	150	248	480
Long-term total chlorophyll concentrations (µg/L)	0.0	0.8	3.0
Long-term Secchi depth (ft)	6.0	13.7	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-11	8	240	1.0	.
Aug-25	10	480	0.0	.
2001 Average	9	360	0.5	.

Sugarloaf G-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°40'21", Longitude 81°34'56"

Period of record: 26 sampling dates; December 21, 1998 to August 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	6	6	6
Long-term specific conductance (mmhos)	53	53	53

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	12
Long-term total nitrogen concentrations (µg/L)	150	270	470
Long-term total chlorophyll concentrations (µg/L)	0.0	0.3	1.0
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-11	8	230	0.0	.
Aug-25	5	390	1.0	.
2001 Average	7	310	0.5	.

Sugarloaf G-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'25", Longitude 81°34'46"

Period of record: 26 sampling dates; December 21, 1998 to August 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	6	6	6
Long-term specific conductance (mmhos)	51	51	51

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	22
Long-term total nitrogen concentrations (µg/L)	130	264	460
Long-term total chlorophyll concentrations (µg/L)	0.0	0.3	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>
Jan-11	5	230	1.0	.
Aug-25	5	430	3.0	.
2001 Average	5	330	2.0	.

Sugarloaf H-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'22", Longitude 81°34'7"

Period of record: 25 sampling dates; December 21, 1998 to January 11, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	7	12
Long-term total nitrogen concentrations (µg/L)	160	277	480
Long-term total chlorophyll concentrations (µg/L)	0.0	0.3	1.0
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-11	5	220	.	.
2001 Average	5	220	.	.

Sugarloaf H-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°39'4", Longitude 81°33'57"

Period of record: 25 sampling dates; December 21, 1998 to January 11, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	6	10
Long-term total nitrogen concentrations (µg/L)	180	270	350
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	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>
Jan-11	6	190	0.0	.
2001 Average	6	190	0.0	.

Sugarloaf H-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°33'59", Longitude 81°33'35"

Period of record: 25 sampling dates; December 21, 1998 to January 11, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay District

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 25 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	11
Long-term total nitrogen concentrations (µg/L)	110	272	380
Long-term total chlorophyll concentrations (µg/L)	0.0	0.3	1.0
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-11	5	220	0.0	.
2001 Average	5	220	0.0	.

Sugarloaf J-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'6", Longitude 81°33'33"

Period of record: 26 sampling dates; January 9, 1999 to September 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	3	3	3
Long-term specific conductance (mmhos)	42	42	42

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	2	5	8
Long-term total nitrogen concentrations (µg/L)	200	289	380
Long-term total chlorophyll concentrations (µg/L)	0.0	0.2	1.0
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>
Sep-19	4	370	0.0	.
2001 Average	4	370	0.0	.

Sugarloaf J-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'54", Longitude 81°33'26"

Period of record: 26 sampling dates; January 9, 1999 to September 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	3	3	3
Long-term specific conductance (mmhos)	39	39	39

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	2	5	14
Long-term total nitrogen concentrations (µg/L)	170	273	380
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	1.0
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>
Sep-19	5	320	0.0	.
2001 Average	5	320	0.0	.

Sugarloaf J-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'48", Longitude 81°33'15"

Period of record: 26 sampling dates; January 9, 1999 to September 19, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	5	5	5
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 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	2	5	13
Long-term total nitrogen concentrations (µg/L)	130	259	350
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	1.0
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>
Sep-19	7	350	0.0	.
2001 Average	7	350	0.0	.

Sugarloaf K-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'45", Longitude 81°33'3"

Period of record: 26 sampling dates; January 21, 1999 to August 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	7	7	7
Long-term specific conductance (mmhos)	47	47	47

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	12
Long-term total nitrogen concentrations (µg/L)	220	318	460
Long-term total chlorophyll concentrations (µg/L)	0.0	0.2	2.0
Long-term Secchi depth (ft)	2.0	2.0	2.0

2001 Florida LAKEWATCH Data

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

<u>Date</u>	<u>TP (µg/L)</u>	<u>TN (µg/L)</u>	<u>CHL (µg/L)</u>	<u>SECCHI (ft)</u>
Aug-25	6	460	2.0	.
2001 Average	6	460	2.0	.

Sugarloaf K-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°38'23", Longitude 81°32'42"

Period of record: 26 sampling dates; January 21, 1999 to August 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	47	47	47

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	2	5	9
Long-term total nitrogen concentrations (µg/L)	220	308	430
Long-term total chlorophyll concentrations (µg/L)	0.0	0.3	1.0
Long-term Secchi depth (ft)	3.0	3.5	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>
Aug-25	4	430	1.0	.
2001 Average	4	430	1.0	.

Sugarloaf K-3 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'60", Longitude 81°31'12"

Period of record: 26 sampling dates; January 21, 1999 to August 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	3	3	3
Long-term specific conductance (mmhos)	44	44	44

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 26 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	6	17
Long-term total nitrogen concentrations (µg/L)	210	309	420
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	2.0
Long-term Secchi depth (ft)	3.0	3.7	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>
Aug-25	3	360	2.0	.
2001 Average	3	360	2.0	.

Sugarloaf L-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'56", Longitude 81°30'22"

Period of record: 27 sampling dates; December 13, 1998 to August 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	3	3	3
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 27 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	6	12
Long-term total nitrogen concentrations (µg/L)	180	253	410
Long-term total chlorophyll concentrations (µg/L)	0.0	0.4	1.0
Long-term Secchi depth (ft)	6.0	7.3	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>
Aug-25	7	410	0.0	.
2001 Average	7	410	0.0	.

Sugarloaf L-2 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°37'17", Longitude 81°30'37"

Period of record: 27 sampling dates; December 13, 1998 to August 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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 27 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	4	6	15
Long-term total nitrogen concentrations (µg/L)	130	258	430
Long-term total chlorophyll concentrations (µg/L)	0.0	0.5	2.0
Long-term Secchi depth (ft)	5.0	7.1	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>
Aug-25	5	430	0.0	.
2001 Average	5	430	0.0	.

Sugarloaf L-3 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 24°36'33", Longitude 81°30'41"

Period of record: 27 sampling dates; December 13, 1998 to August 25, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key West Oolie consisting of oolite and bioclastics

Physiographic region (Brooks 1981b):

The stations lie in the Oolitic Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	50	50	50

Long-term Florida LAKEWATCH Data

Numbers reported below are the minimum, average and maximum value for the 27 months sampled:

	<u>Minimum</u>	<u>Average</u>	<u>Maximum</u>
Long-term total phosphorus concentrations (µg/L)	3	5	9
Long-term total nitrogen concentrations (µg/L)	140	260	510
Long-term total chlorophyll concentrations (µg/L)	0.0	0.5	2.0
Long-term Secchi depth (ft)	4.0	4.0	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>
Aug-25	6	510	0.0	.
2001 Average	6	510	0.0	.

Tavernier-1 (Monroe County) Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°0'58", Longitude 80°29'11"

Period of record: 13 sampling dates; December 18, 2000 to December 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	2	3	4
Long-term specific conductance (mmhos)	26	44	53

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)	1	4	7
Long-term total nitrogen concentrations (µg/L)	80	149	210
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	1.0
Long-term Secchi depth (ft)	5.0	6.5	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-24	2	200	0.0	.
Feb-22	3	170	0.0	.
Mar-18	4	170	0.0	.
Apr-24	7	120	0.0	.
May-20	1	130	0.0	.
Jun-22	4	180	0.0	.
Jul-26	4	110	0.0	.
Aug-19	6	120	0.0	.
Sep-22	7	160	0.0	.
Oct-23	4	150	0.0	.
Nov-24	.	140	1.0	5.0
Dec-24	3	210	0.0	8.0
2001 Average	4	155	0.1	6.5

Tavernier-2 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°0'40", Longitude 80°28'37"

Period of record: 13 sampling dates; December 18, 2000 to December 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	0	2	4
Long-term specific conductance (mmhos)	43	49	53

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)	1	4	14
Long-term total nitrogen concentrations (µg/L)	60	108	190
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	1.0
Long-term Secchi depth (ft)	5.0	7.5	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-24	6	190	0.0	.
Feb-22	2	100	0.0	.
Mar-18	4	130	0.0	.
Apr-24	3	60	0.0	.
May-20	4	70	0.0	.
Jun-22	4	140	0.0	.
Jul-26	4	160	0.0	.
Aug-19	3	110	0.0	.
Sep-22	3	90	0.0	.
Oct-23	3	80	0.0	.
Nov-24	.	.	1.0	5.0
Dec-24	14	90	0.0	10.0
2001 Average	5	111	0.1	7.5

Tavernier-3 (Monroe County)

Florida LAKEWATCH Water Chemistry Summary

Location: Latitude 25°0'19", Longitude 80°28'1"

Period of record: 13 sampling dates; December 18, 2000 to December 24, 2001

Geologic formation (Brooks 1981a):

The geology is dominated by Key Largo limestone, porous coral reef islands with multiple cap rocks, soft to medium hard

Physiographic region (Brooks 1981b):

The stations lie in the Coral Reef Keys of the Florida Keys subdivision of the Southern Atlantic Coastal Strip division of the Gold Coast-Florida Bay 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)	0	2	4
Long-term specific conductance (mmhos)	34	47	53

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)	1	4	10
Long-term total nitrogen concentrations (µg/L)	40	118	340
Long-term total chlorophyll concentrations (µg/L)	0.0	0.1	1.0
Long-term Secchi depth (ft)	5.0	14.0	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-24	2	110	0.0	.
Feb-22	4	110	0.0	13.0
Mar-18	1	90	0.0	.
Apr-24	1	70	0.0	20.0
May-20	3	80	0.0	.
Jun-22	3	130	0.0	.
Jul-26	6	150	0.0	.
Aug-19	10	340	0.0	.
Sep-22	4	110	0.0	.
Oct-23	3	90	0.0	.
Nov-24	.	140	1.0	5.0
Dec-24	9	70	0.0	13.0
2001 Average	4	124	0.1	12.8