LAKEWATCH Report for Fanning Springs-1 in Levy County Watershed Region: North Central Using Data Downloaded 12/9/22

Introduction for River/Streams

This report summarizes data collected on systems that have been part of the LAKEWATCH program. Data are from the period of record for individual systems. The first part of this summary lists background data for each system, the second part lists the long-term data geometric means and ranges and the final part are the trend plots for nutrients, chlorophyll and Secchi depth. Plots were only made for systems with five or more years of data.



Figure 1. Map showing nutrient thresholds areas for streams set forth by FDEP.

Table 1. The nutrient thresholds for streams are listed in table below along with the map showing zones.

Nutrient Watershed	Total Phosphorus Nutrient	Total Nitrogen Nutrient Threshold ¹
Region	Threshold ¹	-
Panhandle West	60 μg/L	670 μg/L
Panhandle East	180 μg/L	1030 μg/L
North Central	300 μ/L	1870 μg/L
Peninsular	120 μg/L	1540 μg/L
West Central	490 μg/L	1650 μg/L
South Florida	No numeric nutrient threshold. The	No numeric nutrient threshold. The
	narrative criterion in paragraph 62-	narrative criterion in paragraph 62-
	302.530(47)(b), F.A.C., applies.	302.530(47)(b), F.A.C., applies.

¹These values are annual geometric mean concentrations not to be exceeded more than once in any three calendar year period.

- County: Name of county in which the system resides.
- Name: Stream name that LAKEWATCH uses for the system.
- GNIS Number: Number created by USGS's Geographic Names Information System.
- Water Body Type: Four different types of systems; lakes, estuaries, river/streams and springs.
- Period of Record (years): Number of years a system has been in the LAKEWATCH program.
- Latitude and Longitude: Coordinates identifying the exact location of station 1 for each system.

Table 2. Base File Data.

County	Levy
Name	Fanning Springs-1
GNIS Number	281936
Water Body Type	River/Stream
Period of Record (years, range)	1 (2002 to 2002)
Latitude	29.5878
Longitude	-82.9360

Long-Term Data for River/Streams: Definitions

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (µg/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (μ g/L): Chlorophyll concentrations are used to measure relative abundances of open water algal population.
- Secchi (ft), Secchi (m): Secchi measurements are estimates of water clarity.
- Color (Pt-Co Units): LAKEWATCH measures true color, which is the color of the water after particles have been filter out.
- Specific Conductance (µS/cm@25°C): Measurement of the ability of water to conduct electricity and can be used to estimate the amount of dissolved materials in water.

Table 3. Long-term trophic state data collected monthly by LAKEWATCH volunteers and color and specific conductance (collected quarterly).

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (μg/L)	162 - 162	162 (1)
Total Nitrogen (µg/L)	1000 - 1000	1000 (1)
Chlorophyll- uncorrected (µg/L)	1 - 1	1 (1)
Secchi (ft)	4.3 - 4.3	4.3 (1)
Secchi (m)	1.3 -1.3	1.3 (1)
Color (Pt-Co Units)	-	(0)
Specific Conductance (µS/cm@25 C)	-	(0)

LAKEWATCH Report for Fanning Springs-2 in Levy County Watershed Region: North Central Using Data Downloaded 12/9/22

Introduction for River/Streams

This report summarizes data collected on systems that have been part of the LAKEWATCH program. Data are from the period of record for individual systems. The first part of this summary lists background data for each system, the second part lists the long-term data geometric means and ranges and the final part are the trend plots for nutrients, chlorophyll and Secchi depth. Plots were only made for systems with five or more years of data.



Figure 1. Map showing nutrient thresholds areas for streams set forth by FDEP.

Table 1. The nutrient thresholds for streams are listed in table below along with the map showing zones.

Nutrient Watershed	Total Phosphorus Nutrient	Total Nitrogen Nutrient Threshold ¹
Region	Threshold ¹	-
Panhandle West	60 μg/L	670 μg/L
Panhandle East	180 μg/L	1030 μg/L
North Central	300 μ/L	1870 μg/L
Peninsular	120 μg/L	1540 μg/L
West Central	490 μg/L	1650 μg/L
South Florida	No numeric nutrient threshold. The	No numeric nutrient threshold. The
	narrative criterion in paragraph 62-	narrative criterion in paragraph 62-
	302.530(47)(b), F.A.C., applies.	302.530(47)(b), F.A.C., applies.

¹These values are annual geometric mean concentrations not to be exceeded more than once in any three calendar year period.

- County: Name of county in which the system resides.
- Name: Stream name that LAKEWATCH uses for the system.
- GNIS Number: Number created by USGS's Geographic Names Information System.
- Water Body Type: Four different types of systems; lakes, estuaries, river/streams and springs.
- **Period of Record (years)**: Number of years a system has been in the LAKEWATCH program.
- Latitude and Longitude: Coordinates identifying the exact location of station 1 for each system.

Table 2. Base File Data.

County	Levy
Name	Fanning Springs-2
GNIS Number	281936
Water Body Type	River/Stream
Period of Record (years, range)	1 (2002 to 2002)
Latitude	29.5896
Longitude	-82.9371

Long-Term Data for River/Streams: Definitions

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (µg/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (μ g/L): Chlorophyll concentrations are used to measure relative abundances of open water algal population.
- Secchi (ft), Secchi (m): Secchi measurements are estimates of water clarity.
- Color (Pt-Co Units): LAKEWATCH measures true color, which is the color of the water after particles have been filter out.
- Specific Conductance (µS/cm@25°C): Measurement of the ability of water to conduct electricity and can be used to estimate the amount of dissolved materials in water.

Table 3. Long-term trophic state data collected monthly by LAKEWATCH volunteers and color and specific conductance (collected quarterly).

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (μg/L)	52 - 52	52 (1)
Total Nitrogen (µg/L)	237 - 237	237 (1)
Chlorophyll- uncorrected (µg/L)	-	(0)
Secchi (ft)	-	(0)
Secchi (m)	-	(0)
Color (Pt-Co Units)	1	(0)
Specific Conductance (µS/cm@25 C)	-	(0)

LAKEWATCH Report for Suwannee River-1 in Levy County Watershed Region: North Central Using Data Downloaded 12/9/22

Introduction for River/Streams

This report summarizes data collected on systems that have been part of the LAKEWATCH program. Data are from the period of record for individual systems. The first part of this summary lists background data for each system, the second part lists the long-term data geometric means and ranges and the final part are the trend plots for nutrients, chlorophyll and Secchi depth. Plots were only made for systems with five or more years of data.



Figure 1. Map showing nutrient thresholds areas for streams set forth by FDEP.

Table 1. The nutrient thresholds for streams are listed in table below along with the map showing zones.

Nutrient Watershed	Total Phosphorus Nutrient	Total Nitrogen Nutrient Threshold ¹
Region	Threshold ¹	-
Panhandle West	60 μg/L	670 μg/L
Panhandle East	180 μg/L	1030 μg/L
North Central	300 μ/L	1870 μg/L
Peninsular	120 μg/L	1540 μg/L
West Central	490 μg/L	1650 μg/L
South Florida	No numeric nutrient threshold. The	No numeric nutrient threshold. The
	narrative criterion in paragraph 62-	narrative criterion in paragraph 62-
	302.530(47)(b), F.A.C., applies.	302.530(47)(b), F.A.C., applies.

¹These values are annual geometric mean concentrations not to be exceeded more than once in any three calendar year period.

- County: Name of county in which the system resides.
- Name: Stream name that LAKEWATCH uses for the system.
- GNIS Number: Number created by USGS's Geographic Names Information System.
- Water Body Type: Four different types of systems; lakes, estuaries, river/streams and springs.
- Period of Record (years): Number of years a system has been in the LAKEWATCH program.
- Latitude and Longitude: Coordinates identifying the exact location of station 1 for each system.

Table 2. Base File Data.

County	Levy
Name	Suwannee River-1
GNIS Number	308455
Water Body Type	River/Stream
Period of Record (years, range)	1 (2002 to 2002)
Latitude	29.5931
Longitude	-82.9384

Long-Term Data for River/Streams: Definitions

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (µg/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (μ g/L): Chlorophyll concentrations are used to measure relative abundances of open water algal population.
- Secchi (ft), Secchi (m): Secchi measurements are estimates of water clarity.
- Color (Pt-Co Units): LAKEWATCH measures true color, which is the color of the water after particles have been filter out.
- Specific Conductance (µS/cm@25°C): Measurement of the ability of water to conduct electricity and can be used to estimate the amount of dissolved materials in water.

Table 3. Long-term trophic state data collected monthly by LAKEWATCH volunteers and color and specific conductance (collected quarterly).

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (μg/L)	102 - 102	102 (1)
Total Nitrogen (µg/L)	585 - 585	585 (1)
Chlorophyll- uncorrected (µg/L)	3 - 3	3 (1)
Secchi (ft)	13.3 - 13.3	13.3 (1)
Secchi (m)	4.1 -4.1	4.1 (1)
Color (Pt-Co Units)	9 - 9	9 (1)
Specific Conductance (µS/cm@25 C)	-	(0)

LAKEWATCH Report for Suwannee River-2 in Levy County Watershed Region: North Central Using Data Downloaded 12/9/22

Introduction for River/Streams

This report summarizes data collected on systems that have been part of the LAKEWATCH program. Data are from the period of record for individual systems. The first part of this summary lists background data for each system, the second part lists the long-term data geometric means and ranges and the final part are the trend plots for nutrients, chlorophyll and Secchi depth. Plots were only made for systems with five or more years of data.



Figure 1. Map showing nutrient thresholds areas for streams set forth by FDEP.

Table 1. The nutrient thresholds for streams are listed in table below along with the map showing zones.

Nutrient Watershed	Total Phosphorus Nutrient	Total Nitrogen Nutrient Threshold ¹
Region	Threshold ¹	-
Panhandle West	60 μg/L	670 μg/L
Panhandle East	180 μg/L	1030 μg/L
North Central	300 μ/L	1870 μg/L
Peninsular	120 μg/L	1540 μg/L
West Central	490 μg/L	1650 μg/L
South Florida	No numeric nutrient threshold. The	No numeric nutrient threshold. The
	narrative criterion in paragraph 62-	narrative criterion in paragraph 62-
	302.530(47)(b), F.A.C., applies.	302.530(47)(b), F.A.C., applies.

¹These values are annual geometric mean concentrations not to be exceeded more than once in any three calendar year period.

- County: Name of county in which the system resides.
- Name: Stream name that LAKEWATCH uses for the system.
- GNIS Number: Number created by USGS's Geographic Names Information System.
- Water Body Type: Four different types of systems; lakes, estuaries, river/streams and springs.
- Period of Record (years): Number of years a system has been in the LAKEWATCH program.
- Latitude and Longitude: Coordinates identifying the exact location of station 1 for each system.

Table 2. Base File Data.

County	Levy
Name	Suwannee River-2
GNIS Number	308455
Water Body Type	River/Stream
Period of Record (years, range)	1 (2002 to 2002)
Latitude	29.5865
Longitude	-82.9399

Long-Term Data for River/Streams: Definitions

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (µg/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (μ g/L): Chlorophyll concentrations are used to measure relative abundances of open water algal population.
- Secchi (ft), Secchi (m): Secchi measurements are estimates of water clarity.
- Color (Pt-Co Units): LAKEWATCH measures true color, which is the color of the water after particles have been filter out.
- Specific Conductance (µS/cm@25°C): Measurement of the ability of water to conduct electricity and can be used to estimate the amount of dissolved materials in water.

Table 3. Long-term trophic state data collected monthly by LAKEWATCH volunteers and color and specific conductance (collected quarterly).

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (μg/L)	101 - 101	101 (1)
Total Nitrogen (µg/L)	552 - 552	552 (1)
Chlorophyll- uncorrected (µg/L)	3 - 3	3 (1)
Secchi (ft)	10.9 - 10.9	10.9 (1)
Secchi (m)	3.3 -3.3	3.3 (1)
Color (Pt-Co Units)	9 - 9	9 (1)
Specific Conductance (µS/cm@25 C)	-	(0)

LAKEWATCH Report for Suwannee River-3 in Levy County Watershed Region: North Central Using Data Downloaded 12/9/22

Introduction for River/Streams

This report summarizes data collected on systems that have been part of the LAKEWATCH program. Data are from the period of record for individual systems. The first part of this summary lists background data for each system, the second part lists the long-term data geometric means and ranges and the final part are the trend plots for nutrients, chlorophyll and Secchi depth. Plots were only made for systems with five or more years of data.



Figure 1. Map showing nutrient thresholds areas for streams set forth by FDEP.

Table 1. The nutrient thresholds for streams are listed in table below along with the map showing zones.

Nutrient Watershed	Total Phosphorus Nutrient	Total Nitrogen Nutrient Threshold ¹
Region	Threshold ¹	-
Panhandle West	60 μg/L	670 μg/L
Panhandle East	180 μg/L	1030 μg/L
North Central	300 μ/L	1870 μg/L
Peninsular	120 μg/L	1540 μg/L
West Central	490 μg/L	1650 μg/L
South Florida	No numeric nutrient threshold. The	No numeric nutrient threshold. The
	narrative criterion in paragraph 62-	narrative criterion in paragraph 62-
	302.530(47)(b), F.A.C., applies.	302.530(47)(b), F.A.C., applies.

¹These values are annual geometric mean concentrations not to be exceeded more than once in any three calendar year period.

- County: Name of county in which the system resides.
- Name: Stream name that LAKEWATCH uses for the system.
- GNIS Number: Number created by USGS's Geographic Names Information System.
- Water Body Type: Four different types of systems; lakes, estuaries, river/streams and springs.
- Period of Record (years): Number of years a system has been in the LAKEWATCH program.
- Latitude and Longitude: Coordinates identifying the exact location of station 1 for each system.

Table 2. Base File Data.

County	Levy
Name	Suwannee River-3
GNIS Number	308455
Water Body Type	River/Stream
Period of Record (years, range)	1 (2002 to 2002)
Latitude	29.5564
Longitude	-82.9494

Long-Term Data for River/Streams: Definitions

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (µg/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (μ g/L): Chlorophyll concentrations are used to measure relative abundances of open water algal population.
- Secchi (ft), Secchi (m): Secchi measurements are estimates of water clarity.
- Color (Pt-Co Units): LAKEWATCH measures true color, which is the color of the water after particles have been filter out.
- Specific Conductance (µS/cm@25°C): Measurement of the ability of water to conduct electricity and can be used to estimate the amount of dissolved materials in water.

Table 3. Long-term trophic state data collected monthly by LAKEWATCH volunteers and color and specific conductance (collected quarterly).

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (μg/L)	98 - 98	98 (1)
Total Nitrogen (µg/L)	534 - 534	534 (1)
Chlorophyll- uncorrected (µg/L)	3 - 3	3 (1)
Secchi (ft)	12.0 - 12.0	12.0 (1)
Secchi (m)	3.7 -3.7	3.7 (1)
Color (Pt-Co Units)	8 - 8	8 (1)
Specific Conductance (µS/cm@25 C)	-	(0)

LAKEWATCH Report for Suwannee River-4 in Levy County Watershed Region: North Central Using Data Downloaded 12/9/22

Introduction for River/Streams

This report summarizes data collected on systems that have been part of the LAKEWATCH program. Data are from the period of record for individual systems. The first part of this summary lists background data for each system, the second part lists the long-term data geometric means and ranges and the final part are the trend plots for nutrients, chlorophyll and Secchi depth. Plots were only made for systems with five or more years of data.



Figure 1. Map showing nutrient thresholds areas for streams set forth by FDEP.

Table 1. The nutrient thresholds for streams are listed in table below along with the map showing zones.

Nutrient Watershed	Total Phosphorus Nutrient	Total Nitrogen Nutrient Threshold ¹
Region	Threshold ¹	-
Panhandle West	60 μg/L	670 μg/L
Panhandle East	180 μg/L	1030 μg/L
North Central	300 μ/L	1870 μg/L
Peninsular	120 μg/L	1540 μg/L
West Central	490 μg/L	1650 μg/L
South Florida	No numeric nutrient threshold. The	No numeric nutrient threshold. The
	narrative criterion in paragraph 62-	narrative criterion in paragraph 62-
	302.530(47)(b), F.A.C., applies.	302.530(47)(b), F.A.C., applies.

¹These values are annual geometric mean concentrations not to be exceeded more than once in any three calendar year period.

- County: Name of county in which the system resides.
- Name: Stream name that LAKEWATCH uses for the system.
- GNIS Number: Number created by USGS's Geographic Names Information System.
- Water Body Type: Four different types of systems; lakes, estuaries, river/streams and springs.
- Period of Record (years): Number of years a system has been in the LAKEWATCH program.
- Latitude and Longitude: Coordinates identifying the exact location of station 1 for each system.

Table 2. Base File Data.

County	Levy
Name	Suwannee River-4
GNIS Number	308455
Water Body Type	River/Stream
Period of Record (years, range)	2 (2001 to 2002)
Latitude	29.5373
Longitude	-82.9788

Long-Term Data for River/Streams: Definitions

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (µg/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (μ g/L): Chlorophyll concentrations are used to measure relative abundances of open water algal population.
- Secchi (ft), Secchi (m): Secchi measurements are estimates of water clarity.
- Color (Pt-Co Units): LAKEWATCH measures true color, which is the color of the water after particles have been filter out.
- Specific Conductance (µS/cm@25°C): Measurement of the ability of water to conduct electricity and can be used to estimate the amount of dissolved materials in water.

Table 3. Long-term trophic state data collected monthly by LAKEWATCH volunteers and color and specific conductance (collected quarterly).

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (μg/L)	48 - 114	74 (2)
Total Nitrogen (µg/L)	813 - 1222	997 (2)
Chlorophyll- uncorrected (µg/L)	2 - 2	2 (2)
Secchi (ft)	6.6 - 6.6	6.6 (1)
Secchi (m)	2.0 -2.0	2.0 (1)
Color (Pt-Co Units)	9 - 9	9 (1)
Specific Conductance (µS/cm@25 C)	-	(0)

LAKEWATCH Report for Suwannee River-5 in Levy County Watershed Region: North Central Using Data Downloaded 12/9/22

Introduction for River/Streams

This report summarizes data collected on systems that have been part of the LAKEWATCH program. Data are from the period of record for individual systems. The first part of this summary lists background data for each system, the second part lists the long-term data geometric means and ranges and the final part are the trend plots for nutrients, chlorophyll and Secchi depth. Plots were only made for systems with five or more years of data.



Figure 1. Map showing nutrient thresholds areas for streams set forth by FDEP.

Table 1. The nutrient thresholds for streams are listed in table below along with the map showing zones.

Nutrient Watershed	Total Phosphorus Nutrient	Total Nitrogen Nutrient Threshold ¹
Region	Threshold ¹	-
Panhandle West	60 μg/L	670 μg/L
Panhandle East	180 μg/L	1030 μg/L
North Central	300 μ/L	1870 μg/L
Peninsular	120 μg/L	1540 μg/L
West Central	490 μg/L	1650 μg/L
South Florida	No numeric nutrient threshold. The	No numeric nutrient threshold. The
	narrative criterion in paragraph 62-	narrative criterion in paragraph 62-
	302.530(47)(b), F.A.C., applies.	302.530(47)(b), F.A.C., applies.

¹These values are annual geometric mean concentrations not to be exceeded more than once in any three calendar year period.

- County: Name of county in which the system resides.
- Name: Stream name that LAKEWATCH uses for the system.
- GNIS Number: Number created by USGS's Geographic Names Information System.
- Water Body Type: Four different types of systems; lakes, estuaries, river/streams and springs.
- Period of Record (years): Number of years a system has been in the LAKEWATCH program.
- Latitude and Longitude: Coordinates identifying the exact location of station 1 for each system.

Table 2. Base File Data.

County	Levy
Name	Suwannee River-5
GNIS Number	308455
Water Body Type	River/Stream
Period of Record (years, range)	2 (2001 to 2002)
Latitude	29.5175
Longitude	-82.9760

Long-Term Data for River/Streams: Definitions

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (µg/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (μ g/L): Chlorophyll concentrations are used to measure relative abundances of open water algal population.
- Secchi (ft), Secchi (m): Secchi measurements are estimates of water clarity.
- Color (Pt-Co Units): LAKEWATCH measures true color, which is the color of the water after particles have been filter out.
- Specific Conductance (µS/cm@25°C): Measurement of the ability of water to conduct electricity and can be used to estimate the amount of dissolved materials in water.

Table 3. Long-term trophic state data collected monthly by LAKEWATCH volunteers and color and specific conductance (collected quarterly).

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (μg/L)	99 - 117	108 (2)
Total Nitrogen (µg/L)	824 - 1210	999 (2)
Chlorophyll- uncorrected (µg/L)	1 - 2	2 (2)
Secchi (ft)	7.8 - 7.8	7.8 (1)
Secchi (m)	2.4 -2.4	2.4 (1)
Color (Pt-Co Units)	9 - 9	9 (1)
Specific Conductance (µS/cm@25 C)	-	(0)

LAKEWATCH Report for Suwannee River-6 in Levy County Watershed Region: North Central Using Data Downloaded 12/9/22

Introduction for River/Streams

This report summarizes data collected on systems that have been part of the LAKEWATCH program. Data are from the period of record for individual systems. The first part of this summary lists background data for each system, the second part lists the long-term data geometric means and ranges and the final part are the trend plots for nutrients, chlorophyll and Secchi depth. Plots were only made for systems with five or more years of data.



Figure 1. Map showing nutrient thresholds areas for streams set forth by FDEP.

Table 1. The nutrient thresholds for streams are listed in table below along with the map showing zones.

Nutrient Watershed	Total Phosphorus Nutrient	Total Nitrogen Nutrient Threshold ¹
Region	Threshold ¹	-
Panhandle West	60 μg/L	670 μg/L
Panhandle East	180 μg/L	1030 μg/L
North Central	300 μ/L	1870 μg/L
Peninsular	120 μg/L	1540 μg/L
West Central	490 μg/L	1650 μg/L
South Florida	No numeric nutrient threshold. The	No numeric nutrient threshold. The
	narrative criterion in paragraph 62-	narrative criterion in paragraph 62-
	302.530(47)(b), F.A.C., applies.	302.530(47)(b), F.A.C., applies.

¹These values are annual geometric mean concentrations not to be exceeded more than once in any three calendar year period.

- County: Name of county in which the system resides.
- Name: Stream name that LAKEWATCH uses for the system.
- GNIS Number: Number created by USGS's Geographic Names Information System.
- Water Body Type: Four different types of systems; lakes, estuaries, river/streams and springs.
- Period of Record (years): Number of years a system has been in the LAKEWATCH program.
- Latitude and Longitude: Coordinates identifying the exact location of station 1 for each system.

Table 2. Base File Data.

County	Levy
Name	Suwannee River-6
GNIS Number	308455
Water Body Type	River/Stream
Period of Record (years, range)	2 (2001 to 2002)
Latitude	29.4896
Longitude	-82.9822

Long-Term Data for River/Streams: Definitions

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (µg/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (μ g/L): Chlorophyll concentrations are used to measure relative abundances of open water algal population.
- Secchi (ft), Secchi (m): Secchi measurements are estimates of water clarity.
- Color (Pt-Co Units): LAKEWATCH measures true color, which is the color of the water after particles have been filter out.
- Specific Conductance (µS/cm@25°C): Measurement of the ability of water to conduct electricity and can be used to estimate the amount of dissolved materials in water.

Table 3. Long-term trophic state data collected monthly by LAKEWATCH volunteers and color and specific conductance (collected quarterly).

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (μg/L)	58 - 115	82 (2)
Total Nitrogen (µg/L)	794 - 1196	974 (2)
Chlorophyll- uncorrected (µg/L)	2 - 2	2 (2)
Secchi (ft)	4.1 - 10.8	6.7 (2)
Secchi (m)	1.3 -3.3	2.0 (2)
Color (Pt-Co Units)	10 - 10	10 (1)
Specific Conductance (µS/cm@25 C)	-	(0)

LAKEWATCH Report for Suwannee River-7 in Levy County Watershed Region: North Central Using Data Downloaded 12/9/22

Introduction for River/Streams

This report summarizes data collected on systems that have been part of the LAKEWATCH program. Data are from the period of record for individual systems. The first part of this summary lists background data for each system, the second part lists the long-term data geometric means and ranges and the final part are the trend plots for nutrients, chlorophyll and Secchi depth. Plots were only made for systems with five or more years of data.



Figure 1. Map showing nutrient thresholds areas for streams set forth by FDEP.

Table 1. The nutrient thresholds for streams are listed in table below along with the map showing zones.

Nutrient Watershed	Total Phosphorus Nutrient	Total Nitrogen Nutrient Threshold ¹
Region	Threshold ¹	-
Panhandle West	60 μg/L	670 μg/L
Panhandle East	180 μg/L	1030 μg/L
North Central	300 μ/L	1870 μg/L
Peninsular	120 μg/L	1540 μg/L
West Central	490 μg/L	1650 μg/L
South Florida	No numeric nutrient threshold. The	No numeric nutrient threshold. The
	narrative criterion in paragraph 62-	narrative criterion in paragraph 62-
	302.530(47)(b), F.A.C., applies.	302.530(47)(b), F.A.C., applies.

¹These values are annual geometric mean concentrations not to be exceeded more than once in any three calendar year period.

- County: Name of county in which the system resides.
- Name: Stream name that LAKEWATCH uses for the system.
- GNIS Number: Number created by USGS's Geographic Names Information System.
- Water Body Type: Four different types of systems; lakes, estuaries, river/streams and springs.
- **Period of Record (years)**: Number of years a system has been in the LAKEWATCH program.
- Latitude and Longitude: Coordinates identifying the exact location of station 1 for each system.

Table 2. Base File Data.

County	Levy
Name	Suwannee River-7
GNIS Number	308455
Water Body Type	River/Stream
Period of Record (years, range)	1 (2002 to 2002)
Latitude	29.4776
Longitude	-82.9866

Long-Term Data for River/Streams: Definitions

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (µg/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (μ g/L): Chlorophyll concentrations are used to measure relative abundances of open water algal population.
- Secchi (ft), Secchi (m): Secchi measurements are estimates of water clarity.
- Color (Pt-Co Units): LAKEWATCH measures true color, which is the color of the water after particles have been filter out.
- Specific Conductance (µS/cm@25°C): Measurement of the ability of water to conduct electricity and can be used to estimate the amount of dissolved materials in water.

Table 3. Long-term trophic state data collected monthly by LAKEWATCH volunteers and color and specific conductance (collected quarterly).

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (μg/L)	91 - 91	91 (1)
Total Nitrogen (µg/L)	597 - 597	597 (1)
Chlorophyll- uncorrected (µg/L)	3 - 3	3 (1)
Secchi (ft)	14.0 - 14.0	14.0 (1)
Secchi (m)	4.3 -4.3	4.3 (1)
Color (Pt-Co Units)	9 - 9	9 (1)
Specific Conductance (µS/cm@25 C)	-	(0)