LAKEWATCH Report for Shingle Creek-1 in Osceola County Watershed Region: Peninsular 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. <u>Plots were only made for systems with five or more years of data.</u>

For decades Florida has had a narrative nutrient water quality criterion in place to protect Florida's waters against nutrient over-enrichment. In 2009, the Florida Department of Environmental Protection (FDEP) initiated rulemaking and, by 2011, adopted what would be the first set of statewide numeric nutrient standards for Florida's waters. By 2015, almost all the remaining waters in Florida have numeric nutrient standards (see for FDEP Regulation Nutrient Criteria's for: Streams, spring vents:

https://www.flrules.org/gateway/RuleNo.asp?title=SURFACE%20WATER%20QUALITY%20STANDAR DS&ID=62-302.531).



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

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.

- **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	Osceola
Name	Shingle Creek-1
GNIS Number	291054
Water Body Type	River/Stream
Period of Record (years, range)	11 (2011 to 2021)
Latitude	28.2666
Longitude	-81.4080

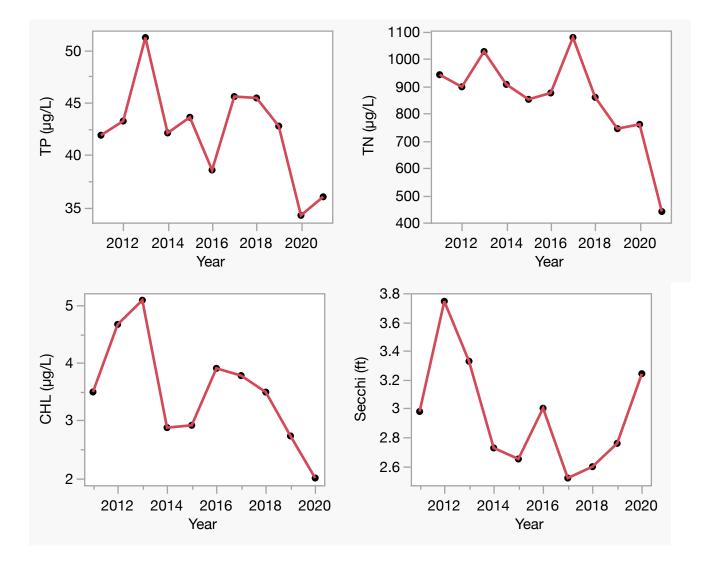
Long-Term Data for River/Streams: Definitions

The following long-term data are the primary trophic state parameters collected by LAKEWATCH volunteers and classification variables color and specific conductance (LAKEWATCH recently began analyzing samples quarterly for color and specific conductance):

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (μ g/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (µg/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 (μ S/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.

Parameter	Minimum and Maximum Annual Geometric Means	Grand Geometric Mean (Sampling years)
Total Phosphorus (µg/L)	34 - 51	42 (11)
Total Nitrogen (µg/L)	440 - 1077	833 (11)
Chlorophyll- uncorrected (µg/L)	2 - 5	3 (10)
Secchi (ft)	2.5 - 3.7	2.9 (10)
Secchi (m)	0.8 -1.1	0.9 (10)
Color (Pt-Co Units)	108 - 156	138 (10)
Specific Conductance (μ S/cm@25 C)	159 - 201	181 (10)

Figure 2. Shingle Creek-1 trend plots of year by average. The R^2 value indicates the strength of the relations (ranges from 0.0 to 1.0; higher the R^2 the stronger the relation) and the p value indicates if the relation is significant (p < 0.05 is significant). Total phosphorus (TP No Trend, $R^2 = 0.28$, p = 0.10), total nitrogen (TN Decreasing, $R^2 = 0.45$, p = 0.02), chlorophyll (CHL No Trend, $R^2 = 0.39$, p = 0.06) and Secchi depth (Secchi No Trend, $R^2 = 0.16$, p = 0.25).



LAKEWATCH Report for Shingle Creek-2 in Osceola County Watershed Region: Peninsular 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. <u>Plots were only made for systems with five or more years of data.</u>

For decades Florida has had a narrative nutrient water quality criterion in place to protect Florida's waters against nutrient over-enrichment. In 2009, the Florida Department of Environmental Protection (FDEP) initiated rulemaking and, by 2011, adopted what would be the first set of statewide numeric nutrient standards for Florida's waters. By 2015, almost all the remaining waters in Florida have numeric nutrient standards (see for FDEP Regulation Nutrient Criteria's for: Streams, spring vents:

https://www.flrules.org/gateway/RuleNo.asp?title=SURFACE%20WATER%20QUALITY%20STANDAR DS&ID=62-302.531).



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

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.

- **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	Osceola
Name	Shingle Creek-2
GNIS Number	291054
Water Body Type	River/Stream
Period of Record (years, range)	11 (2011 to 2021)
Latitude	28.2684
Longitude	-81.4164

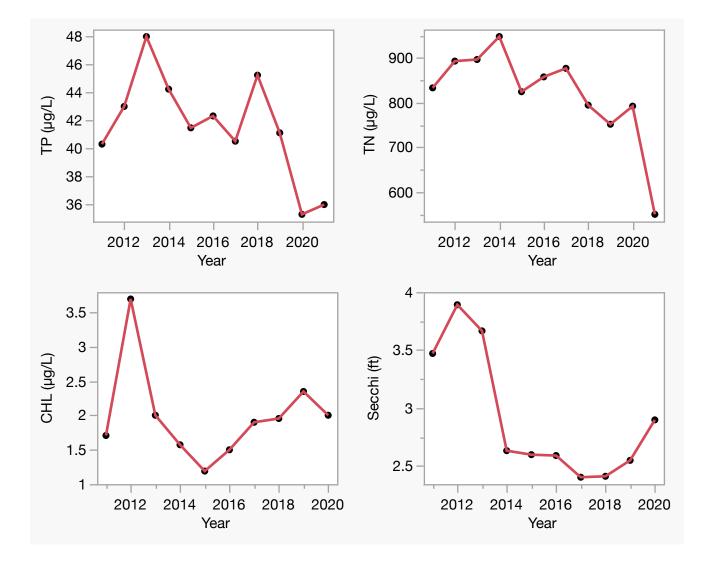
Long-Term Data for River/Streams: Definitions

The following long-term data are the primary trophic state parameters collected by LAKEWATCH volunteers and classification variables color and specific conductance (LAKEWATCH recently began analyzing samples quarterly for color and specific conductance):

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (μ g/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (µg/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 (μ S/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.

Parameter	Minimum and Maximum Annual Geometric Means	Grand Geometric Mean (Sampling years)
Total Dhamhama $(u a/I)$	35 - 48	
Total Phosphorus (µg/L)		41 (11)
Total Nitrogen (µg/L)	550 - 948	812 (11)
Chlorophyll- uncorrected (μ g/L)	1 - 4	2 (10)
Secchi (ft)	2.4 - 3.9	2.9 (10)
Secchi (m)	0.7 -1.2	0.9 (10)
Color (Pt-Co Units)	122 - 176	146 (10)
Specific Conductance (µS/cm@25 C)	154 - 206	181 (10)

Figure 2. Shingle Creek-2 trend plots of year by average. The R^2 value indicates the strength of the relations (ranges from 0.0 to 1.0; higher the R^2 the stronger the relation) and the p value indicates if the relation is significant (p < 0.05 is significant). Total phosphorus (TP No Trend, $R^2 = 0.34$, p = 0.06), total nitrogen (TN Decreasing, $R^2 = 0.51$, p = 0.01), chlorophyll (CHL No Trend, $R^2 = 0.02$, p = 0.67) and Secchi depth (Secchi Decreasing, $R^2 = 0.51$, p = 0.02).



LAKEWATCH Report for Shingle Creek-3 in Osceola County Watershed Region: Peninsular 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. <u>Plots were only made for systems with five or more years of data.</u>

For decades Florida has had a narrative nutrient water quality criterion in place to protect Florida's waters against nutrient over-enrichment. In 2009, the Florida Department of Environmental Protection (FDEP) initiated rulemaking and, by 2011, adopted what would be the first set of statewide numeric nutrient standards for Florida's waters. By 2015, almost all the remaining waters in Florida have numeric nutrient standards (see for FDEP Regulation Nutrient Criteria's for: Streams, spring vents:

https://www.flrules.org/gateway/RuleNo.asp?title=SURFACE%20WATER%20QUALITY%20STANDAR DS&ID=62-302.531).



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

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.

- **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	Osceola
Name	Shingle Creek-3
GNIS Number	291054
Water Body Type	River/Stream
Period of Record (years, range)	11 (2011 to 2021)
Latitude	28.2681
Longitude	-81.4249

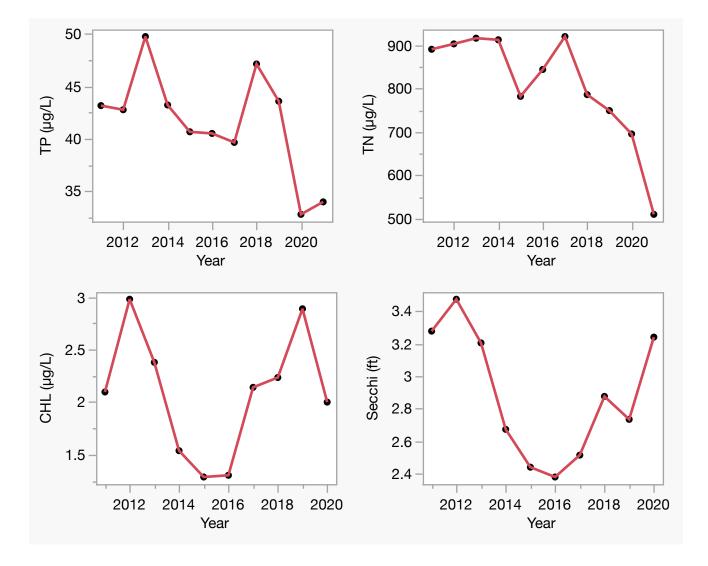
Long-Term Data for River/Streams: Definitions

The following long-term data are the primary trophic state parameters collected by LAKEWATCH volunteers and classification variables color and specific conductance (LAKEWATCH recently began analyzing samples quarterly for color and specific conductance):

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (μ g/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (µg/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 (μ S/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.

Parameter	Minimum and Maximum Annual Geometric Means	Grand Geometric Mean (Sampling years)
Total Phosphorus (µg/L)	33 - 50	41 (11)
Total Nitrogen (µg/L)	510 - 920	799 (11)
Chlorophyll- uncorrected (µg/L)	1 - 3	2 (10)
Secchi (ft)	2.4 - 3.5	2.9 (10)
Secchi (m)	0.7 -1.1	0.9 (10)
Color (Pt-Co Units)	126 - 164	147 (10)
Specific Conductance (µS/cm@25 C)	159 - 207	186 (10)

Figure 2. Shingle Creek-3 trend plots of year by average. The R^2 value indicates the strength of the relations (ranges from 0.0 to 1.0; higher the R^2 the stronger the relation) and the p value indicates if the relation is significant (p < 0.05 is significant). Total phosphorus (TP No Trend, $R^2 = 0.35$, p = 0.06), total nitrogen (TN Decreasing, $R^2 = 0.64$, p = 0.00), chlorophyll (CHL No Trend, $R^2 = 0.00$, p = 0.97) and Secchi depth (Secchi No Trend, $R^2 = 0.13$, p = 0.31).



LAKEWATCH Report for Shingle Creek-4 in Osceola County Watershed Region: Peninsular 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. <u>Plots were only made for systems with five or more years of data.</u>

For decades Florida has had a narrative nutrient water quality criterion in place to protect Florida's waters against nutrient over-enrichment. In 2009, the Florida Department of Environmental Protection (FDEP) initiated rulemaking and, by 2011, adopted what would be the first set of statewide numeric nutrient standards for Florida's waters. By 2015, almost all the remaining waters in Florida have numeric nutrient standards (see for FDEP Regulation Nutrient Criteria's for: Streams, spring vents:

https://www.flrules.org/gateway/RuleNo.asp?title=SURFACE%20WATER%20QUALITY%20STANDAR DS&ID=62-302.531).



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

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.

- **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	Osceola
Name	Shingle Creek-4
GNIS Number	291054
Water Body Type	River/Stream
Period of Record (years, range)	4 (2019 to 2022)
Latitude	28.3165
Longitude	-81.4522

Long-Term Data for River/Streams: Definitions

The following long-term data are the primary trophic state parameters collected by LAKEWATCH volunteers and classification variables color and specific conductance (LAKEWATCH recently began analyzing samples quarterly for color and specific conductance):

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (μ g/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (µg/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 (μ S/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.

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (µg/L)	25 - 53	38 (4)
Total Nitrogen (μ g/L)	452 - 613	518 (4)
Chlorophyll- uncorrected (µg/L)	2 - 3	2 (4)
Secchi (ft)	0.8 - 0.8	0.8 (1)
Secchi (m)	0.3 -0.3	0.3 (1)
Color (Pt-Co Units)	60 - 71	66 (3)
Specific Conductance (µS/cm@25 C)	69 - 196	135 (3)

LAKEWATCH Report for Shingle Creek-5 in Osceola County Watershed Region: Peninsular 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. <u>Plots were only made for systems with five or more years of data.</u>

For decades Florida has had a narrative nutrient water quality criterion in place to protect Florida's waters against nutrient over-enrichment. In 2009, the Florida Department of Environmental Protection (FDEP) initiated rulemaking and, by 2011, adopted what would be the first set of statewide numeric nutrient standards for Florida's waters. By 2015, almost all the remaining waters in Florida have numeric nutrient standards (see for FDEP Regulation Nutrient Criteria's for: Streams, spring vents:

https://www.flrules.org/gateway/RuleNo.asp?title=SURFACE%20WATER%20QUALITY%20STANDAR DS&ID=62-302.531).



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

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.

- **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	Osceola
Name	Shingle Creek-5
GNIS Number	291054
Water Body Type	River/Stream
Period of Record (years, range)	4 (2019 to 2022)
Latitude	28.3042
Longitude	-81.4512

Long-Term Data for River/Streams: Definitions

The following long-term data are the primary trophic state parameters collected by LAKEWATCH volunteers and classification variables color and specific conductance (LAKEWATCH recently began analyzing samples quarterly for color and specific conductance):

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (μ g/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (µg/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 (μ S/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.

Parameter	Minimum and Maximum Annual Geometric Means	Grand Geometric Mean
		(Sampling years)
Total Phosphorus (µg/L)	29 - 54	40 (4)
Total Nitrogen (µg/L)	461 - 589	529 (4)
Chlorophyll- uncorrected (μ g/L)	2 - 3	2 (4)
Secchi (ft)	0.8 - 0.8	0.8 (1)
Secchi (m)	0.3 -0.3	0.3 (1)
Color (Pt-Co Units)	60 - 69	64 (3)
Specific Conductance (µS/cm@25 C)	69 - 193	132 (3)

LAKEWATCH Report for Shingle Creek-6 in Osceola County Watershed Region: Peninsular 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. <u>Plots were only made for systems with five or more years of data.</u>

For decades Florida has had a narrative nutrient water quality criterion in place to protect Florida's waters against nutrient over-enrichment. In 2009, the Florida Department of Environmental Protection (FDEP) initiated rulemaking and, by 2011, adopted what would be the first set of statewide numeric nutrient standards for Florida's waters. By 2015, almost all the remaining waters in Florida have numeric nutrient standards (see for FDEP Regulation Nutrient Criteria's for: Streams, spring vents:

https://www.flrules.org/gateway/RuleNo.asp?title=SURFACE%20WATER%20QUALITY%20STANDAR DS&ID=62-302.531).



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

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.

- **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	Osceola
Name	Shingle Creek-6
GNIS Number	291054
Water Body Type	River/Stream
Period of Record (years, range)	4 (2019 to 2022)
Latitude	28.2987
Longitude	-81.4508

Long-Term Data for River/Streams: Definitions

The following long-term data are the primary trophic state parameters collected by LAKEWATCH volunteers and classification variables color and specific conductance (LAKEWATCH recently began analyzing samples quarterly for color and specific conductance):

- Total Phosphorus (µg/L): The nutrient most often limiting growth of plant/algae.
- Total Nitrogen (μ g/L): Another nutrient needed for aquatic plant/algae growth but only limiting when nitrogen to phosphorus ratios are generally less than 10.
- Chlorophyll-uncorrected (µg/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 (μ S/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.

Parameter	Minimum and Maximum	Grand Geometric Mean
	Annual Geometric Means	(Sampling years)
Total Phosphorus (µg/L)	26 - 55	42 (4)
Total Nitrogen (µg/L)	476 - 648	532 (4)
Chlorophyll- uncorrected (µg/L)	1 - 2	2 (4)
Secchi (ft)	0.8 - 7.0	2.4 (2)
Secchi (m)	0.3 -2.1	0.7 (2)
Color (Pt-Co Units)	62 - 80	69 (3)
Specific Conductance (µS/cm@25 C)	96 - 205	152 (3)