Woodmere Creek Condition Report for 2025

CAUTION

CHL N P DO

1 out of 4 primary indicators were rated as **PASS**.

"Primary" are nutrient related (Chl, N, P) and bacteria (B) parameters.

All four indicators must pass for the creek to be rated as **PASS**.

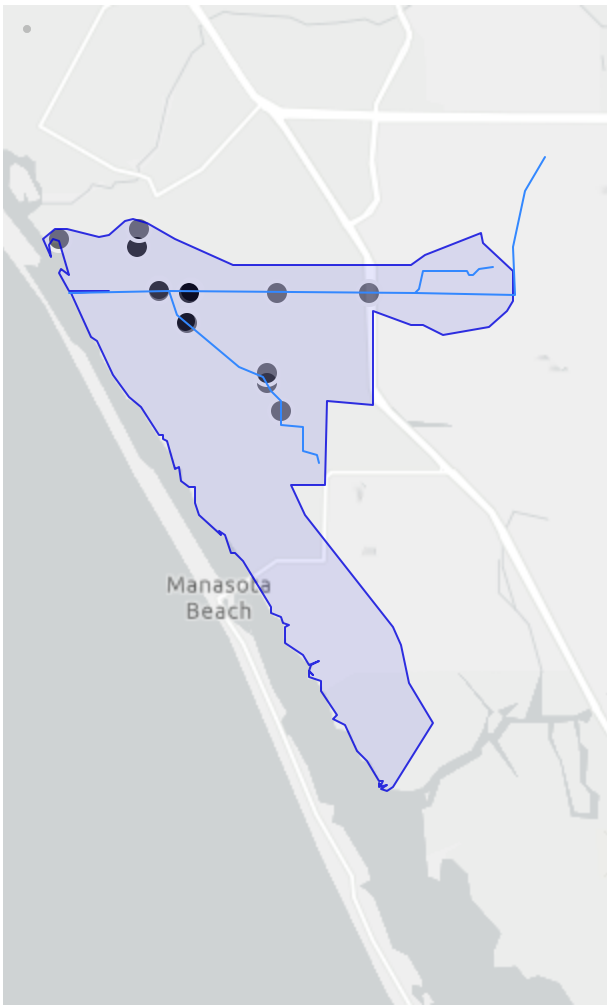
Greyed out values indicate no data for the report year.

Size: 1,475 acres
Location: South Sarasota County
Discharges into: Lemon Bay

For more information, please see:
Woodmere Creek Basin Master Plan (1999)

View county-wide water quality trends »

Woodmere Creek



Water Chemistry Ratings

Monitoring data is analyzed to determine stream health based on State water quality standards. Official determination of impairment or attainment of the water quality standards is performed by FDEP and is based on at least three years and up to seven and a half years of data. Information on approximately 17 different parameters are collected at stream sites, but only total nitrogen, total phosphorus, chlorophyll *a*, dissolved oxygen (percent saturation), and bacteria are assessed according to established water quality criteria mandated by the Clean Water Act. Additionally, the floral and faunal communities (SCI) are assessed at some sites to determine whether waters support a healthy aquatic community.

The "pass/fail" conditions presented here do not indicate impairment as determined by the official **Florida Department of Environmental Protection** Impaired Waters Rule assessment but, rather, give an indication of stream condition in a particular year in relation to the set regulatory numeric limits. Streams receive an annual "PASS" rating for each parameter if the mean value is below the regulatory value and a "FAIL" rating if the mean value exceeds the regulatory value. Not all water quality parameters have an established numeric criterion, so only some of the graphs below show the regulatory limit, represented by a horizontal red line.

The graphs here illustrate results over the past five years. Data from sites monitored within a single waterbody identification basin (WBID) are combined to determine water quality status for each WBID, and the annual geometric mean of sample results is indicated on the graph for the most recent year. The table to the left of the graph gives the annual and historic range of values for the indicator.

Chart Legend

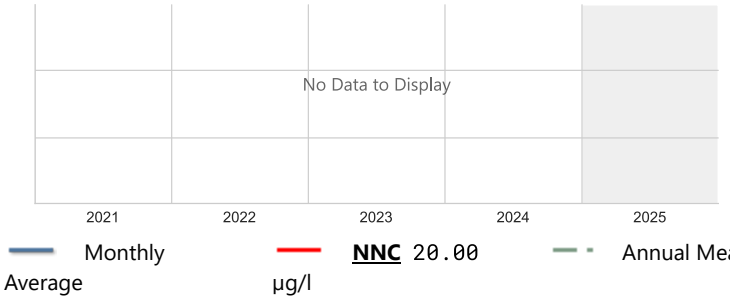
- **Monthly Average**
- **Threshold**
- **Annual Mean**

Click the graph to view a larger image and to download the full dataset.

Freshwater Portion of the Creek

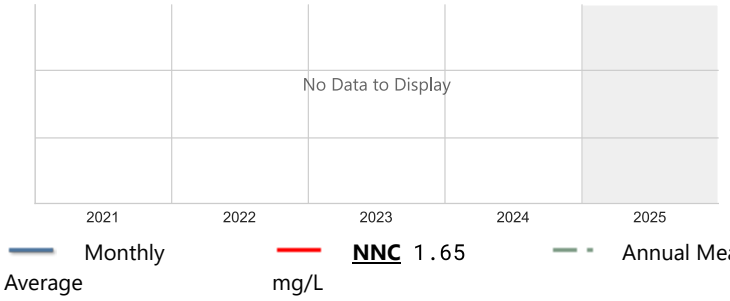
Chlorophyll a

Units: µg/l	Year 2025	Historical period of record
High		42.90
Mean		7.7574
Low		2.09
No. of Samples	0	38



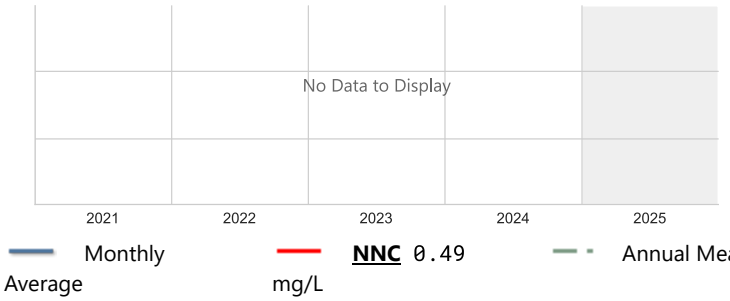
Nitrogen, Total

Units: mg/L	Year 2025	Historical period of record
High		3.599
Mean		1.456
Low		1.052
No. of Samples	0	21



Phosphorus, Total

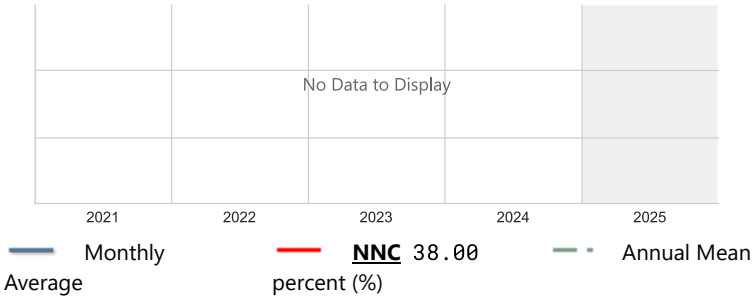
Units: mg/L	Year 2025	Historical period of record
High		1.37
Mean		0.4084
Low		0.179
No. of Samples	0	36



Dissolved Oxygen Saturation

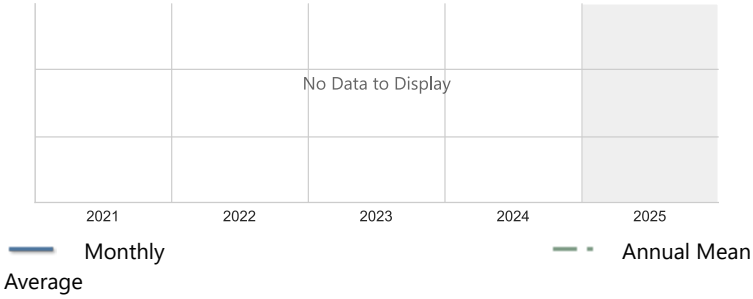
Note: Dissolved oxygen saturation percentages above the regulatory threshold meet established water quality targets.

Units: percent (%)	Year 2025	Historical period of record
High		122.80
Mean		66.89
Low		9.10
No. of Samples	0	36



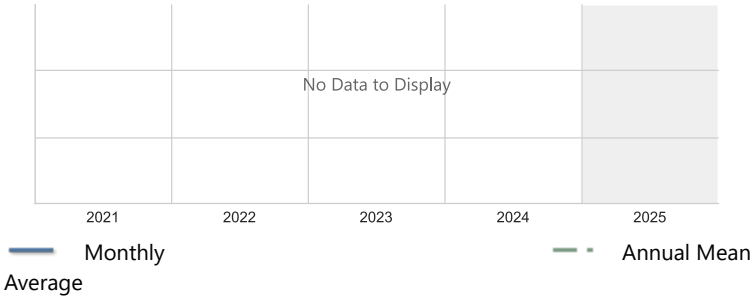
BOD, Biochemical oxygen demand

Units: mg/l	Year 2025	Historical period of record
High		6.30
Mean		1.57
Low		0.721
No. of Samples	0	36



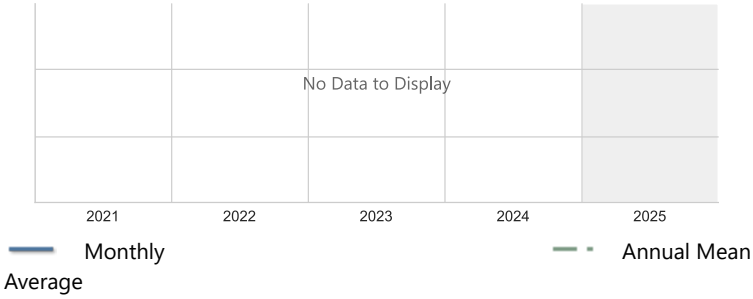
Color

Units: PCU	Year 2025	Historical period of record
High		180.00
Mean		101.31
Low		50.00
No. of Samples	0	36



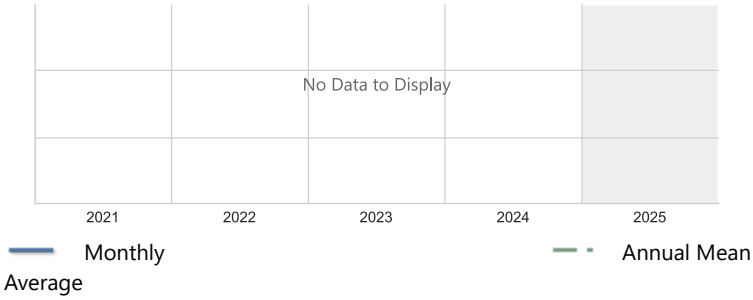
Nitrogen, Ammonia + Ammonium as N

Units: mg/L	Year 2025	Historical period of record
High		0.575
Mean		0.02
Low		0.0001
No. of Samples	0	42



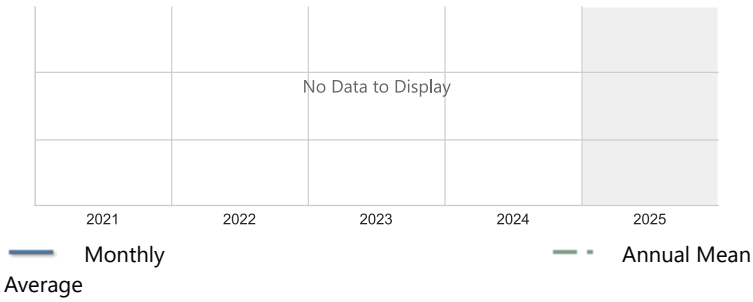
Nitrogen, Kjeldahl

Units: mg/L	Year 2025	Historical period of record
High		3.53
Mean		1.4
Low		1.02
No. of Samples	0	36



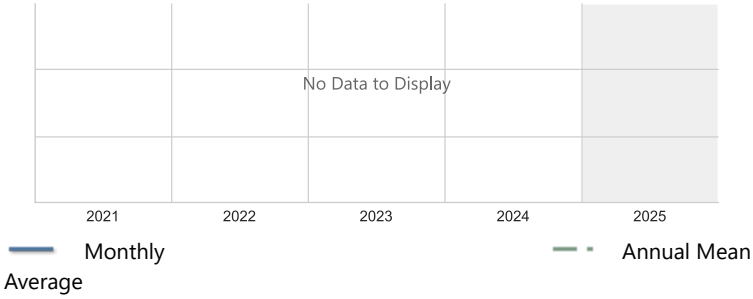
Nitrogen, Nitrite + Nitrate as N

Units: mg/L	Year 2025	Historical period of record
High		0.172
Mean		0.04
Low		0.004
No. of Samples	0	36



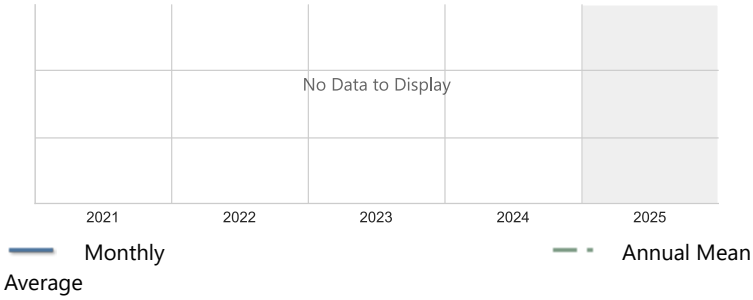
pH

Units: None	Year 2025	Historical period of record
High		7.72
Mean		7.42
Low		7.01
No. of Samples	0	41



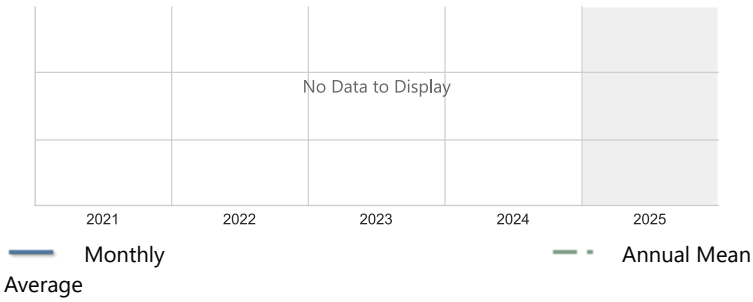
Specific conductance

Units: µmho	Year 2025	Historical period of record
High		892.00
Mean		650.83
Low		376.00
No. of Samples	0	33



Temperature, water

Units: °F	Year 2025	Historical period of record
High		89.24
Mean		75.88
Low		51.026
No. of Samples	0	21

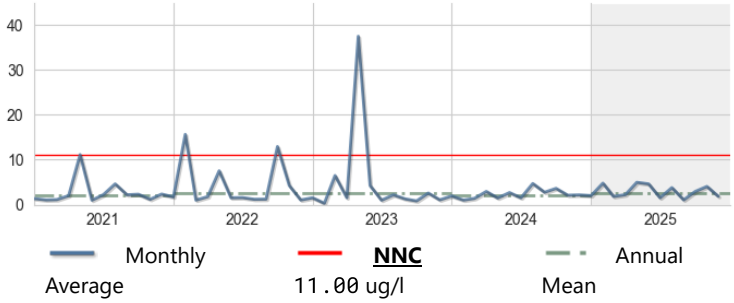


Tidal Portion of the Creek

Chlorophyll a

Score: Pass

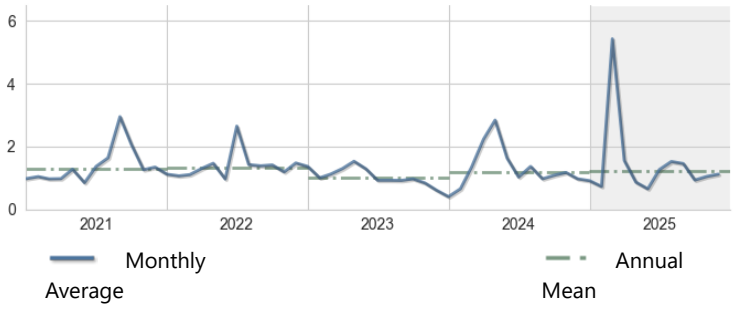
Units: µg/l	Year 2025	Historical period of record
High	5.0	113.0
Mean	2.6258	4.2328
Low	1.04	0.28
No. of Samples	12	714



Nitrogen, Total

Score: Pass

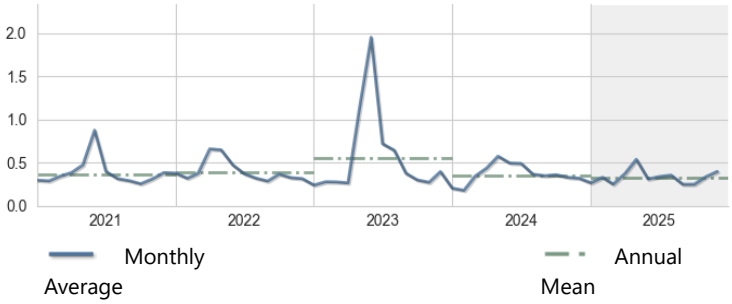
Units: mg/L	Year 2025	Historical period of record
High	9.3	9.3
Mean	1.2043	1.2602
Low	0.18	0.05
No. of Samples	28	558



Phosphorus, Total

Score: Pass

Units: mg/L	Year 2025	Historical period of record
High	0.5	3.4
Mean	0.3222	0.5176
Low	0.246	0.12
No. of Samples	12	735

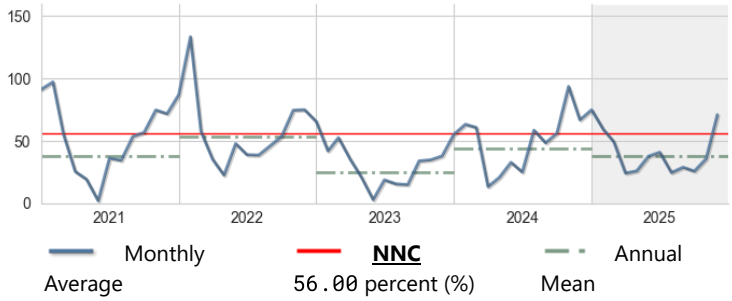


Dissolved Oxygen Saturation

Note: Dissolved oxygen saturation percentages above the regulatory threshold meet established water quality targets.

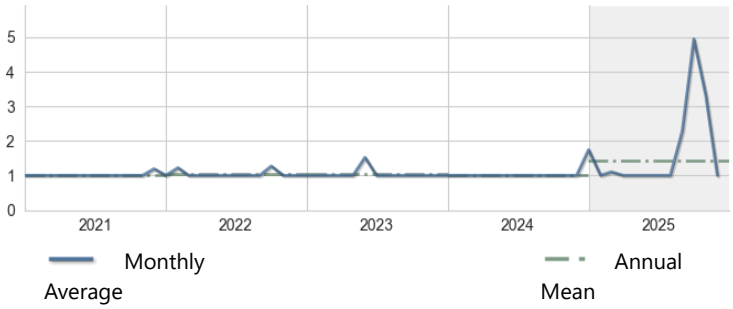
Score: Caution

Units: percent (%)	Year 2025	Historical period of record
High	74.8	225.9
Mean	38.1	48.72
Low	24.00	1.80
No. of Samples	12	731



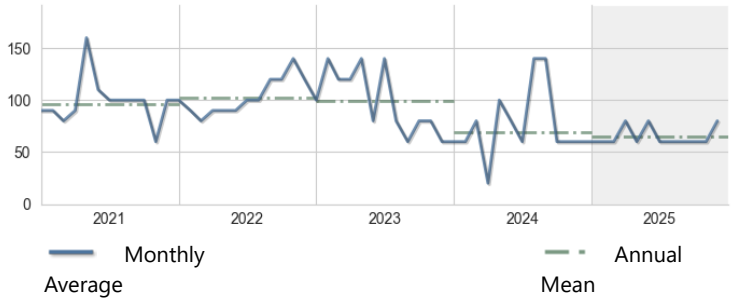
BOD, Biochemical oxygen demand

Units: mg/l	Year 2025	Historical period of record
High	4.9	19.5
Mean	1.43	1.07
Low	1.00	0.50
No. of Samples	12	678



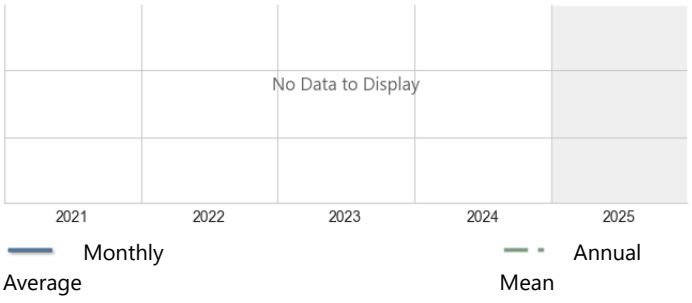
Color

Units: PCU	Year 2025	Historical period of record
High	80.0	400.0
Mean	64.47	86.79
Low	60.00	5.00
No. of Samples	12	706



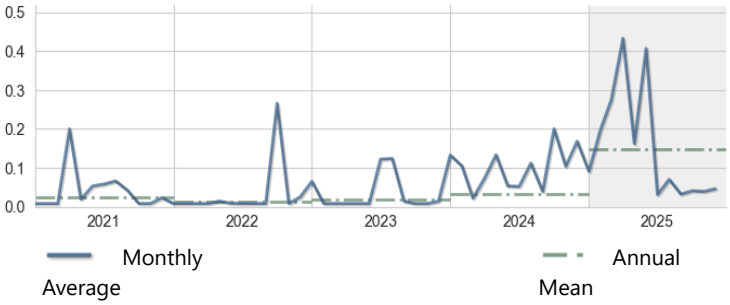
Enterococcus Group Bacteria

Units: MPN/100ml	Year 2025	Historical period of record
High		2,420.0
Mean		744.6
Low		103.00
No. of Samples	0	18



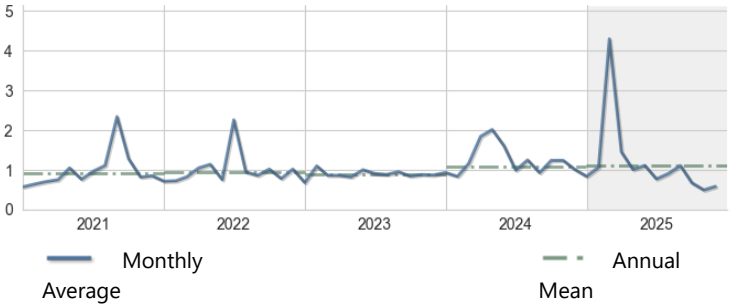
Nitrogen, Ammonia + Ammonium as N

Units: mg/L	Year 2025	Historical period of record
High	1.8	1.8
Mean	0.15	0.02
Low	0.023	0.00
No. of Samples	24	840



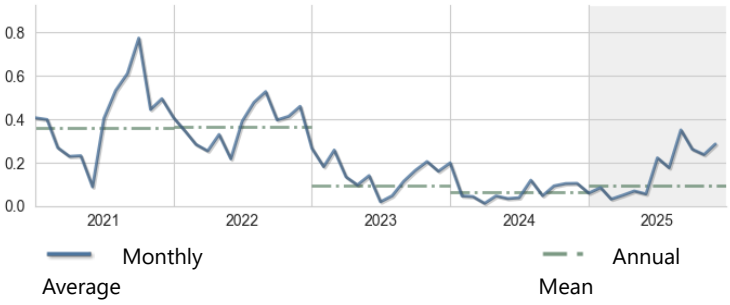
Nitrogen, Kjeldahl

Units: mg/L	Year 2025	Historical period of record
High	9.3	9.3
Mean	1.09	1.06
Low	0.485	0.05
No. of Samples	18	795



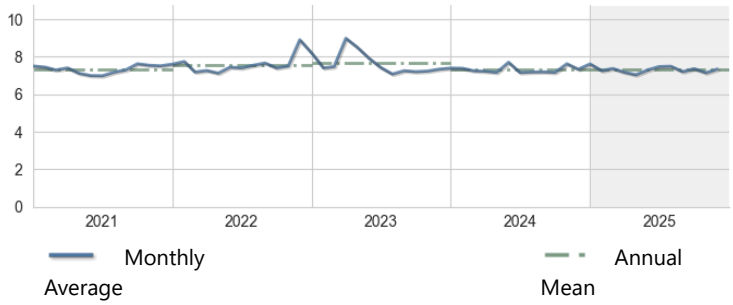
Nitrogen, Nitrite + Nitrate as N

Units: mg/L	Year 2025	Historical period of record
High	0.4	1.2
Mean	0.09	0.13
Low	0.014	0.00
No. of Samples	18	747



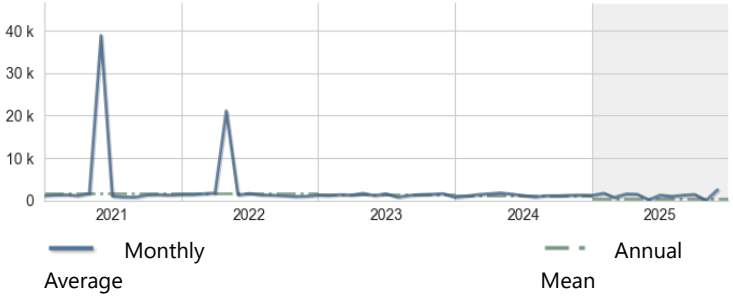
pH

Units: None	Year 2025	Historical period of record
High	7.6	9.1
Mean	7.31	7.4
Low	7.03	6.40
No. of Samples	12	884



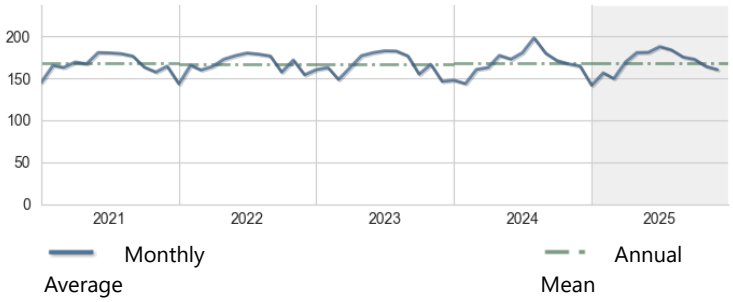
Specific conductance

Units: µmho	Year 2025	Historical period of record
High	2,508.6	54,580.0
Mean	467.9	2032.45
Low	0.06	0.06
No. of Samples	12	829



Temperature, water

Units: °F	Year 2025	Historical period of record
High	187.5	197.9
Mean	167.71	81.29
Low	141.3752	52.052
No. of Samples	12	618

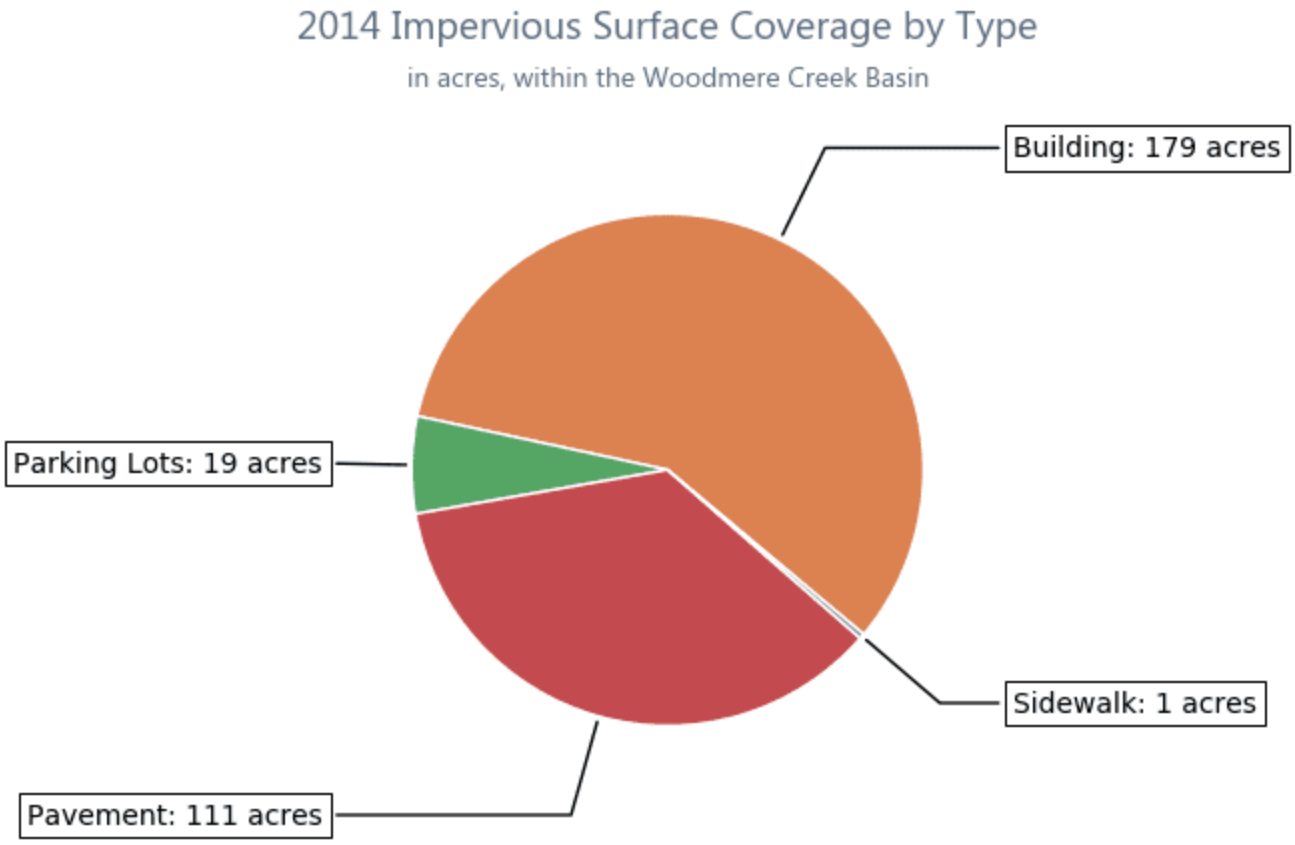


Impervious Features

Rain that falls on land that is in a natural state is absorbed and filtered by soils and vegetation as it makes it way into underground aquifers. However, in developed areas, "impervious surfaces" impede this process and contribute to polluted urban runoff entering surface waters. These surfaces include human infrastructure like roads, sidewalks, driveways and parking lots that are covered by impenetrable materials such as asphalt, concrete, brick and stone, as well as buildings and other permanent structures. Soils that have been disturbed and compacted by urban development are often impervious as well.



21% of the land area within the **Woodmere Creek Basin** is covered by impervious surfaces



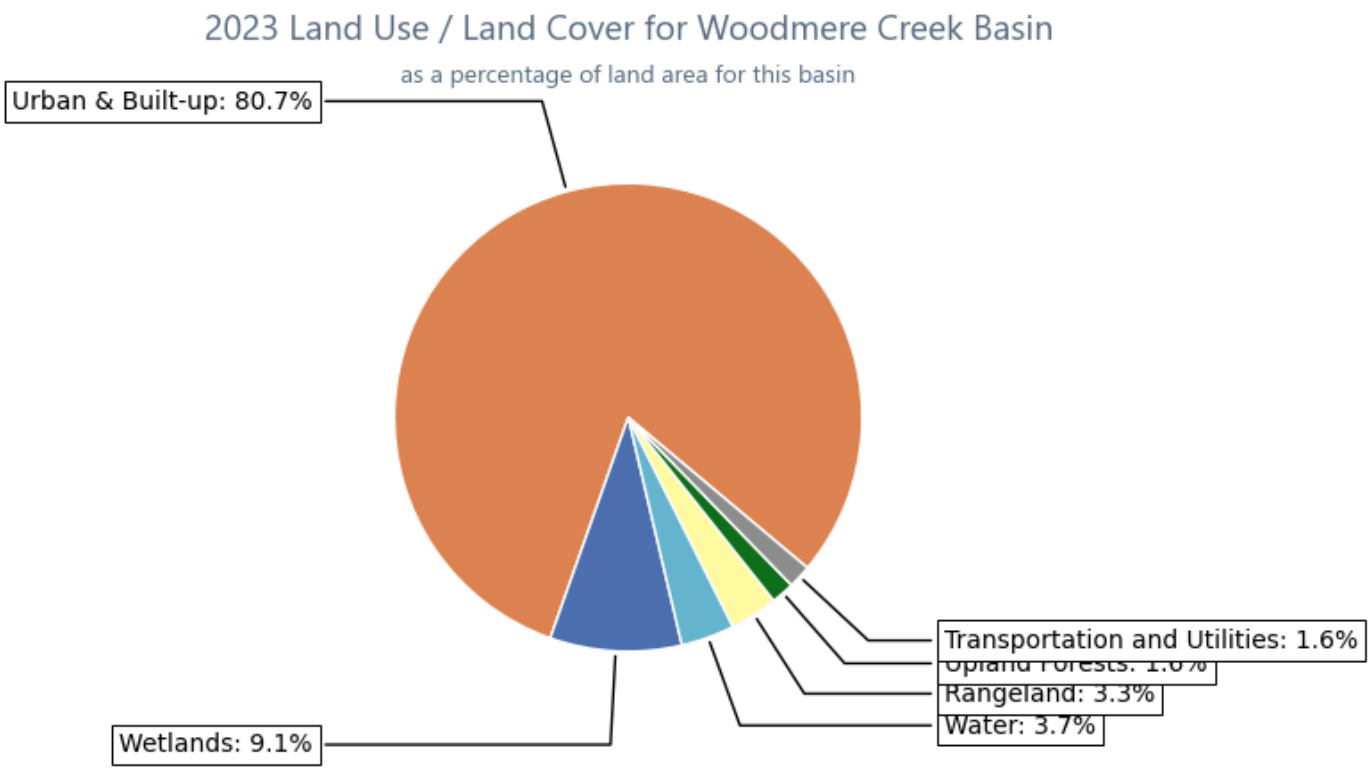
Land Use / Land Cover

Land use within a creek's watershed has a major effect on its water quality. In general, less development means better water quality. Land Cover/Land Use classifications categorize land in terms of its observed physical surface characteristics (e.g. upland or

wetland), and also reflect the types of activity that are taking place on it (agriculture, urban/built-up, utilities, etc.). Florida uses as its standard a set of statewide classifications which were developed by the Florida Department of Transportation.

Acreage and Percentage within each Land Use / Land Cover Category for Woodmere Creek Basin

Land Use Classification	1990	1995	1999	2005	2011	2014	2017	2020	2023	Trend
Urban & Built-up	986 66.8%	1,058 71.7%	1,081 73.3%	1,180 80%	1,195 81%	1,195 81%	1,192 80.8%	1,192 80.8%	1,190 80.7%	
Agriculture	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	0 0%	
Rangeland	62 4.2%	25 1.7%	10 0.7%	33 2.2%	46 3.1%	46 3.1%	46 3.1%	46 3.1%	48 3.3%	
Upland Forests	207 14%	196 13.3%	183 12.4%	54 3.6%	24 1.6%	24 1.6%	24 1.6%	24 1.6%	24 1.6%	
Water	34 2.3%	44 3%	47 3.2%	42 2.9%	52 3.5%	52 3.5%	55 3.7%	55 3.7%	55 3.7%	
Wetlands	187 12.6%	151 10.3%	151 10.3%	143 9.7%	135 9.1%	135 9.1%	135 9.1%	135 9.1%	134 9.1%	
Transportation and Utilities	0 0%	1 0%	2 0.2%	24 1.6%	24 1.6%	24 1.6%	24 1.6%	24 1.6%	24 1.6%	


2023 Land Use / Land Cover for Woodmere Creek Basin
as a percentage of land area for this basin
Urban & Built-up: 80.7%
Wetlands: 9.1%
Water: 3.7%
Rangeland: 3.3%
Transportation and Utilities: 1.6%