Water-Data Report 2011

02312180 LITTLE WITHLACOOCHEE RIVER NEAR TARRYTOWN, FL

Tampa Bay Basin
Withlacoochee Subbasin

LOCATION.--Lat 28°31′17″, long 82°03′18″ referenced to North American Datum of 1927, in NE ¼ sec.1, T.23 S., R.22 E., Sumter County, FL, Hydrologic Unit 03100208, near center of span on downstream side of bridge on State Highway 471, 2.3 mi south of Tarrytown, 3.1 mi southwest of Linden, and 14 mi upstream from mouth.

DRAINAGE AREA.--85.0 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR FL-72-3: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 80.00 ft above NGVD of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Records fair. Above bankfull stage, discharge measurements are made along State Highway 471 and include all culvert flow from 2.3 mi north to 2.8 mi south of gaging station.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 02312180, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/02312180.2011.pdf

02312180 LITTLE WITHLACOOCHEE RIVER NEAR TARRYTOWN, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.9	0.00	0.00	0.00	0.00	0.00	29	0.49	0.00	0.00	0.00	0.00
2	2.5	0.00	0.00	0.00	0.00	0.00	24	0.32	0.00	0.00	0.00	0.00
3	2.0	0.00	0.00	0.00	0.00	0.00	33	0.16	0.00	0.00	0.00	0.00
4	1.6	0.00	0.00	0.00	0.00	0.00	34	0.04	0.00	0.00	0.00	0.00
5	1.4	0.00	0.00	0.00	0.00	0.00	37	0.01	0.00	0.00	0.00	0.00
6	1.1	0.00	0.00	0.00	0.00	0.00	34	0.00	0.00	0.00	0.00	0.00
7	0.86	0.00	0.00	0.00	0.00	0.00	27	0.00	0.00	0.00	0.00	0.45
8	0.65	0.00	0.00	0.00	0.00	0.00	21	0.00	0.00	0.00	0.00	2.6
9	0.49	0.00	0.00	0.00	0.00	0.00	16	0.00	0.00	0.00	0.00	2.7
10	0.36	0.00	0.00	0.00	0.00	0.00	13	0.00	0.00	0.00	0.17	7.2
11	0.25	0.00	0.00	0.00	0.00	0.00	10	0.00	0.00	0.00	0.06	20
12	0.18	0.00	0.00	0.00	0.00	0.00	8.5	0.00	0.00	0.00	0.00	28
13	0.09	0.00	0.00	0.00	0.00	0.00	7.5	0.00	0.00	0.00	0.00	33
14	0.02	0.00	0.00	0.00	0.00	0.00	6.7	0.00	0.00	0.00	0.00	32
15	0.00	0.00	0.00	0.00	0.00	0.00	6.4	0.00	0.00	0.00	0.00	27
16	0.00	0.00	0.00	0.00	0.00	0.00	6.2	0.00	0.00	0.00	0.00	22
17	0.00	0.00	0.00	0.00	0.00	0.00	5.8	0.00	0.00	0.00	0.00	17
18	0.00	0.00	0.00	0.00	0.00	0.00	5.3	0.00	0.00	0.00	0.00	16
19	0.00	0.00	0.00	0.00	0.00	0.00	4.8	0.00	0.00	0.00	0.00	16
20	0.00	0.00	0.00	0.00	0.00	0.00	4.2	0.00	0.00	0.00	0.00	10
21	0.00	0.00	0.00	0.00	0.00	0.00	4.1	0.00	0.00	0.00	0.00	6.6
22	0.00	0.00	0.00	0.00	0.00	0.00	4.2	0.00	0.00	0.00	0.00	5.6
23	0.00	0.00	0.00	0.00	0.00	0.00	3.8	0.00	0.00	0.00	0.00	6.7
24	0.00	0.00	0.00	0.00	0.00	0.00	3.3	0.00	0.00	0.00	0.00	5.2
25	0.00	0.00	0.00	0.00	0.00	0.00	2.8	0.00	0.00	0.00	0.00	4.3
26	0.00	0.00	0.00	0.00	0.00	0.00	2.3	0.00	0.00	0.00	0.00	3.8
27	0.00	0.00	0.00	0.00	0.00	0.00	1.9	0.00	0.00	0.00	0.00	3.5
28	0.00	0.00	0.00	0.00	0.00	0.43	1.4	0.00	0.00	0.00	0.00	2.9
29	0.00	0.00	0.00	0.00	---	0.81	1.1	0.00	0.00	0.00	0.00	2.3
30	0.00	0.00	0.00	0.00	---	0.34	0.75	0.00	0.00	0.00	0.00	e1.7
31	0.00	---	0.00	0.00	---	18	---	0.00	---	0.00	0.00	---
Total	14.40	0.00	0.00	0.00	0.00	19.58	359.05	1.02	0.00	0.00	0.23	276.55
Mean	0.46	0.00	0.00	0.00	0.00	0.63	12.0	0.03	0.00	0.00	0.01	9.22
Max	2.9	0.00	0.00	0.00	0.00	18	37	0.49	0.00	0.00	0.17	33
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00
Cfsm	0.01	0.00	0.00	0.00	0.00	0.01	0.14	0.00	0.00	0.00	0.00	0.11
In.	0.01	0.00	0.00	0.00	0.00	0.01	0.16	0.00	0.00	0.00	0.00	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2011, BY WATER YEAR (WY)

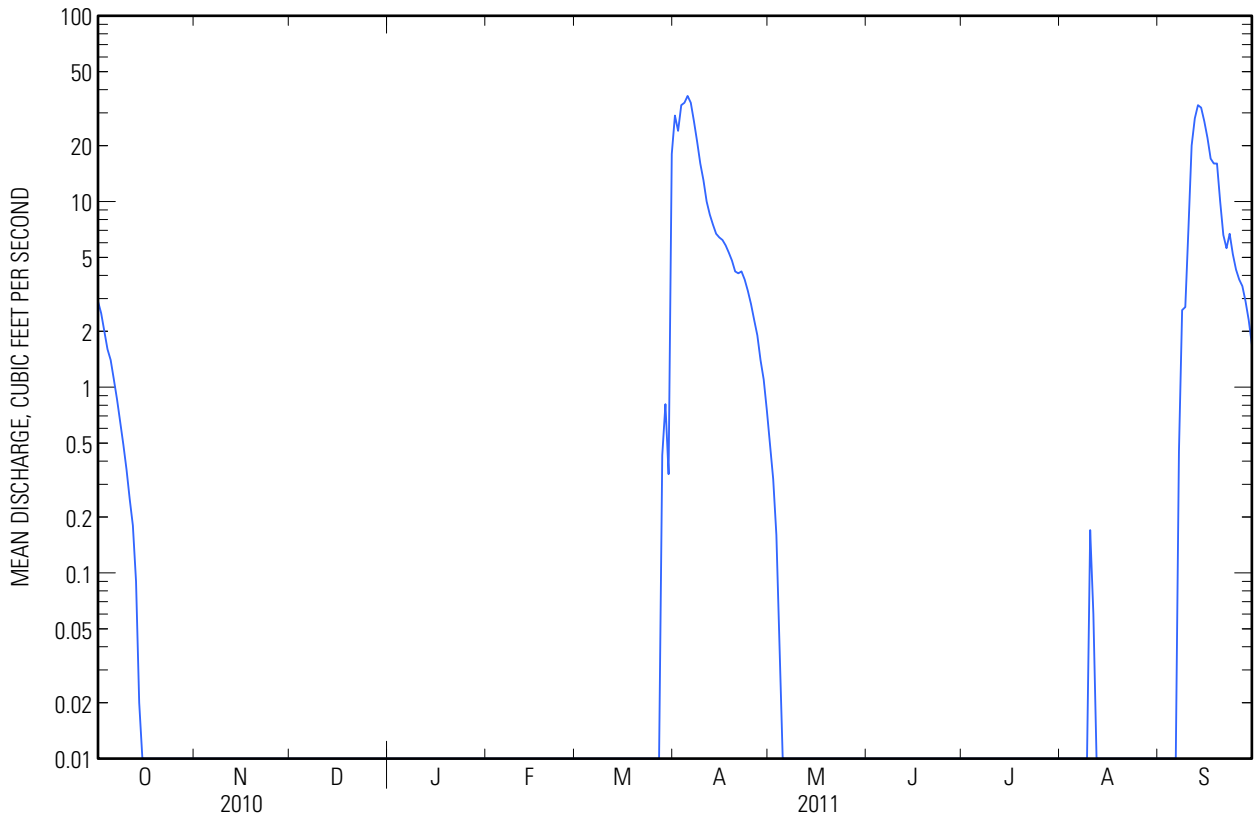
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	65.6	21.7	28.9	38.4	37.5	52.0	32.9	5.44	11.4	38.8	64.2	97.0
Max	421	166	386	386	285	351	329	68.6	129	376	496	561
(WY)	(2005)	(2006)	(1998)	(1998)	(1998)	(1998)	(1987)	(1987)	(1991)	(2003)	(2003)	(2004)
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1981)	(1971)	(1971)	(1981)	(1981)	(1981)	(1968)	(1967)	(1971)	(1971)	(1987)	(1990)

02312180 LITTLE WITHLACOOCHEE RIVER NEAR TARRYTOWN, FL—Continued

SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1967 - 2011	
Annual total	6,787.63		670.83			
Annual mean	18.6		1.84		41.2	
Highest annual mean					175	2003
Lowest annual mean					[a]0.00	
Highest daily mean	205	Mar 31	37	Apr 5	1,180	Mar 31, 1987
Lowest daily mean	0.00	Many days	0.00	Many days	0.00	Many days
Annual seven-day minimum	0.00	Oct 15	0.00	Oct 15	0.00	Many days
Maximum peak flow			40	Mar 31	1,210	Mar 31, 1987
Maximum peak stage			4.57	Apr 5	6.58	Sep 28, 1979
Annual runoff (cfsm)	0.219		0.022		0.485	
Annual runoff (inches)	2.97		0.29		6.58	
10 percent exceeds	63		4.2		131	
50 percent exceeds	4.0		0.00		1.4	
90 percent exceeds	0.00		0.00		0.00	

[a] Water years 2000, 2007



02312180 LITTLE WITHLACOOCHEE RIVER NEAR TARRYTOWN, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1969-71, 1973, 1984, 1986-89, 1991, 1999, 2001 to 2011 (discontinued).

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 1 of 3

[$CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Discharge, instantaneous, ft^3/s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Gage height, ft (00065)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium, water, filtered, mg/L (00915)
04-05-2011	**1215**	36	3.4	5.4	80	20.5	4.55	154	30.8	9.38

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 2 of 3

[$CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO_2 (00955)	Sulfate, water, filtered, mg/L (00945)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)
04-05-2011	**1215**	1.77	1.99	5.64	11.0	< .04	3.05	4.18	1.6	.024

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Part 3 of 3

[$CaCO_3$, calcium carbonate; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft, feet; ft^3/s, cubic feet per second; mg/L, milligrams per liter; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; <, less than]

Date	Sample start time	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)	Strontium, water, filtered, µg/L (01080)
04-05-2011	**1215**	< .02	.007	.008	.06	18.6