02310280 PITHLACHASCOTEE RIVER NEAR FIVAY JUNCTION, FL.

Tampa Bay Basin
Crystal-Pithlachascotee Subbasin

LOCATION.--Lat 28°19′44″, long 82°32′13″ referenced to North American Datum of 1927, in NE ¼ sec.7, T.25 S., R.18 E., Pasco County, FL, Hydrologic Unit 03100207, at bridge on State Highway 52, 1.2 mi west of Fivay Junction, 3.5 mi above Fivemile Creek, and 21 mi upstream from mouth.

DRAINAGE AREA.--150 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1964 to October 1966 (discharge measurements and crest-stage partial records); November 1966 to September 1972 (discharge measurements only); October 1972 to September 1978 (gage heights and periodic discharge measurements only); October 1978 to September 1983 (discharge measurements only); October 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Feb. 12, 1968, nonrecording gage 20 ft downstream and Feb. 12, 1968, to Sept. 30, 1972, nonrecording gage at present site and datum; Oct. 1, 1972, to Sept. 30, 1978, water-stage recorder at present site at datum 40.00 ft higher; Oct. 1, 1978, to Sept. 30, 1983, nonrecording gage at present site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. WDR 1992 through WDR 2002 period of record gage height at present datum.

02310280 PITHLACHASCOTEE RIVER NEAR FIVAY JUNCTION, FL.—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.32	0.86	0.90	2.1	0.93	1.4	0.00	0.00	0.00	0.00	0.00	0.91
2	0.29	0.91	0.74	2.0	0.85	1.2	0.00	0.00	0.00	0.00	0.00	1.1
3	0.27	0.89	0.61	1.9	3.9	1.1	0.00	0.00	0.00	0.00	0.00	0.66
4	0.22	0.78	0.54	1.7	13	0.99	e0.00	0.00	0.00	0.00	0.00	0.39
5	2.2	0.69	0.50	1.6	12	0.87	e0.00	0.00	0.00	0.00	0.00	0.26
6	13	0.61	0.75	1.5	9.1	0.75	e0.00	0.00	0.00	0.00	0.00	0.19
7	9.3	0.50	0.73	1.4	7.2	0.70	e0.00	0.00	0.00	0.00	0.00	0.13
8	6.5	0.44	2.7	1.3	6.2	0.62	e0.00	0.00	0.00	0.00	0.00	0.17
9	4.9	0.41	3.5	1.2	5.3	0.58	e0.00	0.00	0.00	0.00	0.00	0.30
10	4.0	0.38	3.1	1.2	4.6	0.53	e0.00	0.00	0.00	0.00	0.00	0.43
11	3.5	0.35	2.7	1.1	4.1	0.47	e0.00	0.00	0.00	0.00	0.00	0.31
12	3.3	0.29	2.3	1.0	4.5	0.41	e0.00	0.00	0.00	0.00	0.00	0.19
13	3.2	0.27	2.0	1.0	4.2	0.36	e0.00	0.00	0.00	0.00	0.00	0.14
14	2.9	0.25	1.7	0.95	3.6	0.33	e0.00	0.00	0.00	0.00	0.00	0.29
15	2.5	0.26	1.6	0.88	3.3	0.30	e0.00	0.00	0.00	0.00	0.00	0.24
16	2.1	0.23	2.0	0.86	3.1	0.24	e0.00	0.00	0.00	0.00	0.00	0.15
17	1.7	0.23	2.4	0.81	2.9	0.22	e0.00	0.00	0.00	0.00	0.09	0.10
18	1.5	0.22	3.3	e0.80	2.7	0.20	e0.00	0.00	0.00	0.01	0.14	0.06
19	1.2	0.21	3.6	e0.77	2.5	0.15	e0.00	0.00	0.00	0.03	0.07	0.23
20	1.0	0.29	3.6	e0.72	2.4	0.13	e0.00	0.00	0.02	0.00	0.04	7.2
21	1.0	0.60	3.6	e0.68	2.2	0.11	e0.00	0.00	0.02	0.00	0.01	7.5
22	1.4	0.54	3.3	e0.64	2.0	0.10	e0.00	0.00	0.00	0.00	0.11	3.2
23	1.3	0.40	3.1	e0.63	1.9	0.08	e0.00	0.00	0.00	0.00	0.18	2.0
24	2.8	0.35	3.0	0.70	1.8	0.07	e0.00	0.00	0.00	0.00	0.08	1.3
25	3.3	0.32	2.9	0.74	1.6	0.05	e0.00	0.00	0.00	0.00	0.49	0.94
26	2.8	0.27	2.9	0.63	1.9	0.04	0.00	0.00	0.00	0.00	1.5	0.78
27	2.3	0.25	2.8	0.59	1.8	0.03	0.00	0.00	0.00	0.00	1.0	0.65
28	1.8	0.45	2.6	0.58	1.6	0.02	0.00	0.00	0.00	0.00	0.68	0.50
29	1.4	1.3	2.5	0.55	---	0.02	0.00	0.00	0.00	0.00	0.39	0.37
30	1.1	1.1	2.3	0.83	---	0.01	0.00	0.00	0.00	0.00	0.29	0.30
31	0.99	---	2.2	1.2	---	0.00	---	0.00	---	0.00	0.37	---
Total	84.09	14.65	70.47	32.56	111.18	12.08	0.00	0.00	0.04	0.04	5.44	30.99
Mean	2.71	0.49	2.27	1.05	3.97	0.39	0.00	0.00	0.00	0.00	0.18	1.03
Max	13	1.3	3.6	2.1	13	1.4	0.00	0.00	0.02	0.03	1.5	7.5
Min	0.22	0.21	0.50	0.55	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.06
In.	0.02	0.00	0.02	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01

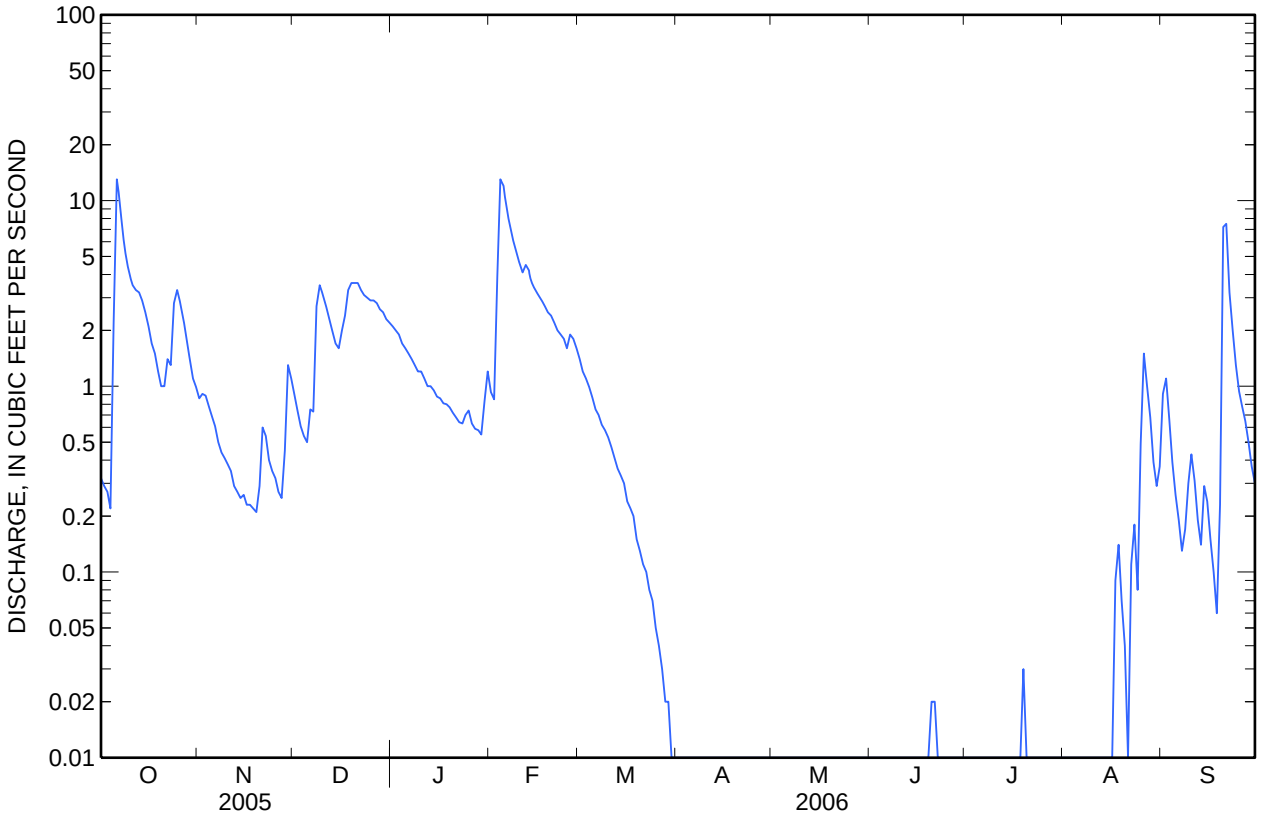
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	5.86	2.97	5.51	7.10	6.07	7.75	3.83	1.28	2.05	7.27	10.3	14.1
Max	23.6	16.5	45.0	59.1	52.4	53.1	35.4	18.6	14.0	27.5	43.2	77.2
(WY)	(2005)	(1989)	(1998)	(1998)	(1998)	(1998)	(1987)	(1987)	(2003)	(1987)	(2003)	(1988)
Min	0.45	0.04	0.14	0.31	0.32	0.05	0.00	0.00	0.00	0.00	0.18	1.03
(WY)	(2001)	(2001)	(2001)	(1997)	(1997)	(2000)	(2000)	(1985)	(1998)	(2006)	(2006)	(2006)

02310280 PITHLACHASCOTEE RIVER NEAR FIVAY JUNCTION, FL.—Continued

SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1984 - 2006	
Annual total	1,302.01		361.54			
Annual mean	3.57		0.99		6.18	
Highest annual mean					21.2	1998
Lowest annual mean					0.99	2006
Highest daily mean	15	Jul 17	13	Oct 6	242	Sep 9, 1988
Lowest daily mean	0.00	May 27	0.00	Mar 31	0.00	Apr 27, 1985
Annual seven-day minimum	0.02	May 24	0.00	Mar 31	0.00	Apr 27, 1985
Maximum peak flow			14	Oct 6	294	Sep 9, 1988
Maximum peak stage			51.86	Oct 6	54.37	Sep 9, 1988
Annual runoff (inches)	0.32		0.09		0.56	
10 percent exceeds	7.8		2.9		17	
50 percent exceeds	2.5		0.27		1.7	
90 percent exceeds	0.36		0.00		0.00	



02310280 PITHLACHASCOTEE RIVER NEAR FIVAY JUNCTION, FL.—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	50.90	51.10	51.10	51.23	51.06	51.15	50.66	49.94	---	50.43	50.47	51.11
2	50.89	51.11	51.07	51.23	51.04	51.12	50.64	49.91	---	50.38	50.40	51.15
3	50.87	51.10	51.04	51.21	51.31	51.10	50.63	49.88	---	50.49	50.34	51.06
4	50.85	51.08	51.02	51.19	51.76	51.08	---	49.86	---	50.62	50.31	50.99
5	51.04	51.06	51.00	51.18	51.73	51.06	---	49.83	---	50.56	50.30	50.94
6	51.82	51.04	51.06	51.16	51.63	51.05	---	49.81	---	50.52	50.30	50.91
7	51.70	51.02	51.05	51.14	51.55	51.03	---	49.78	---	50.47	50.29	50.88
8	51.57	51.01	51.30	51.13	51.50	51.02	---	49.75	---	50.45	50.26	50.90
9	51.48	51.00	51.36	51.12	51.45	51.01	---	49.84	---	50.42	50.23	50.96
10	51.43	50.99	51.33	51.12	51.41	50.99	---	49.97	---	50.40	50.18	51.01
11	51.39	50.98	51.29	51.10	51.38	50.98	---	50.04	---	50.53	50.12	50.96
12	51.38	50.96	51.25	51.09	51.40	50.97	---	50.09	---	50.56	50.06	50.91
13	51.37	50.95	51.22	51.09	51.38	50.95	---	50.08	---	50.51	50.00	50.88
14	51.34	50.94	51.19	51.08	51.35	50.94	---	50.05	49.87	50.45	49.94	50.95
15	51.30	50.94	51.17	51.06	51.32	50.93	---	50.02	50.06	50.40	49.91	50.93
16	51.26	50.94	51.22	51.06	51.31	50.91	---	49.98	50.13	50.34	49.89	50.88
17	51.22	50.94	51.26	51.05	51.29	50.89	---	49.98	50.23	50.33	50.21	50.85
18	51.19	50.93	51.34	---	51.28	50.89	---	49.96	50.24	50.69	50.88	50.81
19	51.14	50.93	51.37	---	51.26	50.87	---	49.92	50.38	50.76	50.82	50.86
20	51.12	50.96	51.37	---	51.25	50.85	---	49.88	50.74	50.68	50.78	51.58
21	51.12	51.06	51.37	---	51.24	50.84	---	49.84	50.74	50.64	50.72	51.63
22	51.17	51.05	51.35	---	51.22	50.83	---	49.81	50.64	50.68	50.79	51.38
23	51.16	51.01	51.33	---	51.20	50.81	---	49.78	50.56	50.68	50.90	51.26
24	51.33	50.99	51.32	51.03	51.19	50.80	---	49.75	50.50	50.62	50.84	51.18
25	51.37	50.98	51.31	51.03	51.17	50.79	---	49.72	50.51	50.54	50.98	51.11
26	51.33	50.96	51.31	51.01	51.20	50.77	50.11	49.69	50.63	50.48	51.21	51.08
27	51.28	50.95	51.30	51.00	51.20	50.76	50.07	---	50.65	50.43	51.14	51.05
28	51.23	50.99	51.28	51.00	51.17	50.75	50.04	---	50.63	50.45	51.07	51.01
29	51.19	51.17	51.27	50.99	---	50.73	50.00	---	50.56	50.43	50.99	50.97
30	51.15	51.14	51.25	51.05	---	50.71	49.96	---	50.50	50.58	50.95	50.94
31	51.12	---	51.24	51.10	---	50.68	---	---	---	50.54	50.99	---
Mean	51.25	51.01	51.24	---	51.33	50.91	---	---	---	50.52	50.52	51.04
Max	51.82	51.17	51.37	---	51.76	51.15	---	---	---	50.76	51.21	51.63
Min	50.85	50.93	51.00	---	51.04	50.68	---	---	---	50.33	49.89	50.81

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964, 1966-68, 1970 to current year.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 2

[Remark codes: <, less than; E, estimated.]

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
Nov													
20...	0920	51.05	.11	--	758	4.4	6.8	131	15.7	--	--	--	--
Mar													
24...	1147	50.81	.09	--	754	4.0	7.0	144	17.7	--	--	--	--
Aug													
29...	1135	51.00	.38	200	762	4.5	7.0	400	25.5	55.8	4.89	1.06	12.5
Sep													
06...	1235	50.91	.19	--	760	3.1	6.1	366	25.5	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 2

[Remark codes: <, less than; E, estimated.]

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat unf by analysis, mg/L (62855)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Strontium, water, fltrd, ug/L (01080)
Nov												
20...	--	--	--	--	--	<.04	<.06	<.008	.74	<.02	.04	--
Mar												
24...	--	--	--	--	--	.09	E.06	<.008	2.94	.02	.32	--
Aug												
29...	23.5	<.10	5.17	122	349	.147	.07	.004	1.70	.011	.03	92.8
Sep												
06...	--	--	--	--	--	.062	.09	.004	1.72	.009	.03	--