



Water-Data Report 2010

02303200 PEMBERTON CREEK NEAR DOVER, FL.

Tampa Bay Basin
Hillsborough Subbasin

LOCATION.--Lat 28°01'34", long 82°14'12" referenced to North American Datum of 1927, in SE ¼ sec.19, T.28 S., R.21 E., Hillsborough County, FL, Hydrologic Unit 03100205, on downstream side bridge on Gallagher Road, 500 ft. north Interstate 4, 1.8 mi. upstream from Baker Creek, 2-½ mi. northwest of Dover, and 7 mi. west of Plant City.

DRAINAGE AREA.--24.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1956 to December 1958; 1959-1983 (annual maximum); October 1992 to September 2010, miscellaneous discharge measurements (discontinued).

REVISED RECORDS.--WDR-US-2006: Datum for water year 2005.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929 (USC & GS bench mark). January 1959 to November 1985 nonrecording gage, August 1956 to December 1958 nonrecording gage read twice daily at datum 53.042 ft higher.

COOPERATION.--This gage is monitored in cooperation with the Southwest Florida Management District.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Date	Discharge, in ft³/s	Gage height, in ft
Oct 9, 2009	7.02	51.57
Dec 7, 2009	21.7	52.03
Feb 5, 2010	19.3	51.96
Apr 2, 2010	42.4	52.51
Jun 17, 2010	9.48	51.61
Aug 9, 2010	16.0	51.81

02303200 PEMBERTON CREEK NEAR DOVER, FL.—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to September 2010, (incomplete), discontinued.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 2

[N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; E, estimated]

Date	Sample start time	Gage height, ft (00065)	Discharge, instantaneous, ft ³ /s (00061)	Barometric pressure, mm Hg (00025)	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)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)
10-09-2009	1041	51.57	7.0	764	7.3	7.7	259	26.2	E .013	.50
12-07-2009	0934	52.03	22	764	8.9	7.2	216	16.1	E .020	.28
02-08-2010	1314	51.96	19	763	10.0	7.5	217	12.6	E .011	.10
04-02-2010	1010	52.52	42	763	7.7	7.0	187	18.3	E .019	.12
06-17-2010	1127	51.61	9.5	762	7.5	7.7	271	26.9	.022	.23
08-09-2010	1446	51.80	16	759	8.1	7.5	228	26.9	E .011	.13

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 2

[N, nitrogen; P, phosphorus; ft, feet; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; E, estimated]

Date	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, analytically determined, mg/L (62855)
10-09-2009	.007	.395	.45	1.29
12-07-2009	.004	.202	.33	1.16
02-08-2010	.004	.281	.38	.95
04-02-2010	.004	.380	.51	1.05
06-17-2010	.007	.341	.38	.75
08-09-2010	.004	.311	.44	.94