



Water-Data Report 2009

01411400 FISHING CREEK AT RIO GRANDE, NJ

FISHING CREEK BASIN

LOCATION.--Lat 39°01'39", long 74°53'47" referenced to North American Datum of 1983, Middle Township, Cape May County, NJ, Hydrologic Unit 02040206, at bridge on State Route 47 at Wildwood Pumping Station, 1.4 mi northwest of Rio Grande, and 2.7 mi upstream from mouth.

DRAINAGE AREA.--2.29 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1965-72, 1990-92. Miscellaneous measurements, water years 1998 to current year.

GAGE.--Staff gage.

DISCHARGE MEASUREMENTS WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Date	Discharge, in ft ³ /s
Nov 24, 2008	0.86
Feb 19, 2009	1.97
May 13, 2009	2.32
Aug 17, 2009	0.63

01411400 FISHING CREEK AT RIO GRANDE, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1965, 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Undeveloped Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 16.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 3

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

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Instan- taneous dis- charge, ft ³ /s (00061)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm @ 25 degC (00095)	Temper- ature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Dis- solved solids dried @ 180degC wat flt mg/L (70300)
Nov 24...	1230	769	9.0	.668	.509	.86	13.3	99	7.0	239	3.6	1.1	188
Feb 19...	1200	749	9.0	.481	.369	2.0	11.0	88	6.6	165	5.2	1.6	113
May 13...	1210	766	20.0	1.49	1.17	2.3	8.0	85	6.5	126	18.9	1.2	140
Aug 17...	1210	767	32.0	.639	.490	.63	6.7	87	7.0	177	29.0	2.1	124

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 3

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

Date	Dis- solved solids, sum of consti- tuents, mg/L (70301)	Hard- ness, water, mg/L as CaCO3 (00900)	Sus- pended solids, water, unfltrd mg/L (00530)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Total carbon, suspnd sedimnt total, mg/L (00694)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Silica, water, fltrd, mg/L as SiO2 (00955)
Nov 24...	E136	71	<1	18.9	5.67	1.79	15.2	17	.3	24.6	<.08	<.04	10.8
Feb 19...	E90	43	3	10.9	3.88	1.39	13.2	19	.6	20.5	<.08	<.04	4.8
May 13...	E65	33	<1	8.88	2.74	1.28	10.8	18	.6	17.9	<.08	<.04	2.8
Aug 17...	E89	51	1	14.1	3.92	1.85	11.8	35	1.2	22.1	<.08	<.04	3.9

01411400 FISHING CREEK AT RIO GRANDE, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 3

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

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia	Ammonia	Nitrate	Ortho-	Partic-	Phos-	Phos-	Total	Total	Organic	Organic
		+ org-N, water, fltrd, mg/L as N (00623)	water, fltrd, mg/L as N (00608)	+ nitrite water, fltrd, mg/L as N (00631)	phos- phate, water, fltrd, mg/L as P (00671)	ulate nitro- gen, susp, water, mg/L (49570)	phorus, water, fltrd, mg/L as P (00666)	phorus, water, unfltrd mg/L as P (00665)	nitro- gen, water, fltrd, mg/L (00602)	nitro- gen, water, unfltrd mg/L (00600)	carbon suspnd sedimnt total, mg/L (00689)	carbon, water, fltrd, mg/L (00681)
Nov 24...	48.7	.61	.011	<.04	E.003	.03	E.008	.012	--	--	.26	17.9
Feb 19...	23.1	.42	.016	.26	E.007	.05	E.006	.013	.68	.73	.56	10.8
May 13...	9.18	.92	.031	.15	E.003	.07	.015	.021	1.1	1.1	.62	26.8
Aug 17...	11.1	.68	.026	<.04	E.004	.15	.009	.023	--	--	1.16	14.9