



Water-Data Report 2009

01442760 DUNNFIELD CREEK AT DUNNFIELD, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°58'15", long 75°07'36" referenced to North American Datum of 1983, Hardwick Township, Warren County, NJ, Hydrologic Unit 02040104, at footbridge at Dunnfield, in Delaware Water Gap National Recreation Area, 300 ft upstream from mouth and Delaware River, 0.6 mi northwest of Arrow Island, and 0.6 mi southeast of Delaware Water Gap Toll Bridge on Interstate 80.

DRAINAGE AREA.--3.56 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--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
Dec 2, 2008	9.74
Mar 11, 2009	4.86
May 13, 2009	7.99
Aug 19, 2009	1.45

01442760 DUNNFIELD CREEK AT DUNNFIELD, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Background, NJ Department of Environmental Protection Watershed Management Area 1.

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 4

[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)
Dec 02...	1020	751	2.7	.016	E.010	9.7	12.8	103	6.5	31	5.3	.8	24
Mar 11...	1130	758	10.5	E.014	E.010	4.9	13.6	105	6.5	32	4.8	.4	18
May 13...	1200	763	20.2	.016	E.011	8.0	11.3	100	7.0	32	10.1	2.2	27
Aug 19...	0900	752	23.0	.029	.022	1.4	8.9	95	6.3	39	18.3	.9	29

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 4

[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)
Dec 02...	E21	11	1	2.63	1.00	.44	.76	E5	E.1	1.08	<.08	<.04	4.4
Mar 11...	E22	11	<1	2.85	.984	.39	.81	E5	<.2	1.20	<.08	<.04	4.0
May 13...	E20	11	2	2.62	.972	.37	.77	3.2	.3	1.03	<.08	<.04	4.5
Aug 19...	23	13	<1	3.20	1.10	.41	.83	5.8	<.2	1.30	<.08	<.04	4.9

01442760 DUNNFIELD CREEK AT DUNNFIELD, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 3 of 4

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

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Barium, water, unfltrd recover- able, µg/L (01007)	Beryll- ium, water, unfltrd recover- able, µg/L (01012)	Cadmium water, unfltrd recover µg/L (01027)	Chrom- ium, water, unfltrd recover- able, µg/L (01034)	Copper, water, unfltrd recover- able, µg/L (01042)
Dec 02...	7.71	E.05	E.009	<.04	E.003	<.02	<.008	<.008	--	--	--	--	--
Mar 11...	8.02	<.10	<.010	E.03	E.004	<.02	<.008	<.008	13.5	.02	<.06	<.40	<4.0
May 13...	7.71	<.10	<.010	<.04	E.006	E.01	E.006	<.008	--	--	--	--	--
Aug 19...	6.59	<.10	<.010	.15	.016	<.02	<.008	E.005	16.3	.03	E.04	<.40	<4.0

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 4

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

Date	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, unfltrd recover- able, µg/L (01051)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Mercury water, unfltrd recover- able, µg/L (71900)	Nickel, water, unfltrd recover- able, µg/L (01067)	Silver, water, unfltrd recover- able, µg/L (01077)	Zinc, water, unfltrd recover- able, µg/L (01092)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd recover- able, µg/L (01002)	Boron, water, unfltrd recover- able, µg/L (01022)	Selen- ium, water, unfltrd µg/L (01147)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
Dec 02...	--	--	--	--	--	--	--	--	--	--	--	<.12	1.0
Mar 11...	<14	<.10	.7	<.010	1.1	<.06	6.5	E.05	<.20	<14	<.12	<.12	.7
May 13...	--	--	--	--	--	--	--	--	--	--	--	.26	.7
Aug 19...	20	E.08	4.0	<.010	1.1	<.06	5.7	.11	E.10	E8	<.12	<.12	1.0