



Water-Data Report 2007

01482570 GAME CREEK AT US ROUTE 40, NEAR DEEPWATER, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 39°40'53", long 75°27'46" referenced to North American Datum of 1983, Carneys Point Township, Salem County, NJ, Hydrologic Unit 02040206, at bridge on U.S. Route 40, 0.3 mi upstream from mouth, 1.5 mi east of Deepwater, and 3.0 mi northeast of Pennsville.

DRAINAGE AREA.--14.3 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July to September 2007.

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

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 2

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

Date	Time	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	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, air, deg C (00020)	Temper- ature, water, deg C (00010)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non- filter- able, mg/L (00530)
Jul													
10...	1110	14	760	5.2	67	6.9	273	30.0	28.6	49	41.4	191	18
25...	1000	9.6	765	6.3	76	7.0	289	29.0	24.4	55	45.3	172	12
Aug													
15...	0850	16	758	4.6	56	6.9	298	23.0	25.4	52	48.2	173	27
22...	1350	78	764	4.7	51	6.8	304	22.0	19.4	41	42.0	171	72
Sep													
25...	1120	16	767	5.8	65	7.2	309	24.5	22.2	51	46.7	181	22

01482570 GAME CREEK AT US ROUTE 40, NEAR DEEPWATER, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 2

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

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Total nitro- gen, water, unfltrd mg/L (00600)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	CBOD, water, unfltrd 5 day, mg/L (80082)	Chloro- phyll a phyto- plank- ton, fluoro, µg/L (70953)	Pheo- phytin a, phyto- plank- ton, µg/L (62360)	Boron, water, unfltrd recover -able, µg/L (01022)	Iron, water, unfltrd recover -able, µg/L (01045)
Jul												
10...	.98	<.040	<.04	--	.024	.130	12.2	4.0	34.8	19.6	25	1,870
25...	.84	<.040	<.04	--	.025	.147	11.6	<1.0	20.5	12.5	24	1,580
Aug												
15...	1.2	<.040	<.04	--	.021	.138	13.9	<1.0	25.9	18.2	29	1,960
22...	1.7	.317	.06	1.7	.025	.251	11.3	2.1	46.5	22.1	29	3,970
Sep												
25...	.99	E.014	<.016	--	.024	.121	11.9	E1.7	21.5	14.1	30	1,250