

Water-Data Report 2006

01378583 OVERPECK CREEK AT ENGLEWOOD, NJ

HACKENSACK RIVER BASIN

LOCATION.--Lat 40°54'23.6", long 73°58'08.3" referenced to North American Datum of 1983, Englewood Borough, Bergen County, NJ, Hydrologic Unit 02030103, 0.6 mi east of Morrow Park, 0.9 mi northeast of Englewood City Hall, and 7.6 mi upstream of mouth.

DRAINAGE AREA.--2.09 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2005 to current year.

REMARKS.--Total nitrogen (00600) equals the sum of filtered ammonia plus organic nitrogen (00623), filtered nitrite plus nitrate nitrogen (00631), and total particulate nitrogen (49570). Bacteria samples were collected synoptically over a 30-day period during the summer.

COOPERATIVE NETWORK SITE DESCRIPTOR: Statewide Status, New Jersey Department of Environmental Protection (NJDEP) Watershed Management Area 5.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJDEP. Bacteria samples were provided by the local county health department under the direction of the NJDEP through the County Environmental Health Act. Determinations of filtered ammonia, filtered orthophosphorus, BOD, total suspended residue, fecal coliform, E. coli, and enterococcus bacteria were performed by the NJ Department of Health and Senior Services.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 5

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

Date	Time	Turbidity white light, det ang 90+/-30 corrctd	UV absorb- ance, 254 nm, wat flt units	UV absorb- ance, 280 nm, wat flt units	Baro- metric pres- sure, mm Hg	Dissolved oxygen, mg/L (00025)	Dissolved oxygen, percent of sat- uration (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, uS/cm (00095)	Temper- ature, wat unf air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calcium water, fltrd, mg/L (00915)
Nov 17...	1100	1.4	.219	.169	764	10.7	95	8.2	418	11.1	10.1	110	28.9
Mar 01...	1000	.6	.053	.041	760	14.8	107	8.0	602	5.9	1.8	150	39.5
Jun 08...	1000	3.6	.226	.169	758	9.2	91	7.8	358	21.0	15.0	89	25.2
Aug 24...	1100	1.1	.080	.060	760	8.6	93	7.9	594	22.6	19.0	150	40.8

01378583 OVERPECK CREEK AT ENGLEWOOD, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 5

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

Date	ANC, wat unf						Residue water,		Residue on		Residue total		Ammonia	
	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	CaCO ₃ mg/L as (90410)	fixed end pt, lab, mg/L as (00940)	Chlor- ide, water, fltrd, mg/L (00950)	Fluor- ide, water, fltrd, mg/L (00955)	Silica, water, fltrd, mg/L (00945)	Sulfate, water, fltrd, mg/L (00945)	180degC sum of consti- tuents mg/L (70301)	180degC wat flt mg/L (70300)	sus- pended, mg/L (00530)	at 105 deg. C, mg/L (00623)	org-N, water, fltrd, mg/L (00608)
Nov 17...	8.18	3.78	33.9	62	67.3	E.08	14.4	24.5	220	240	2	.36	.033	
Mar 01...	12.7	1.95	51.4	68	116	E.10	14.1	32.2	314	328	2	.20	.024	
Jun 08...	6.21	2.37	31.7	64	53.5	E.09	13.6	21.3	196	217	2	.38	.042	
Aug 24...	11.8	2.83	50.7	84	97.1	E.09	14.3	31.4	306	344	1	.35	.052	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

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

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, water, fltrd, mg/L (49570)	Total nitro- gen, water, unfltrd mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total carbon, susnd sediment mg/L (00694)	Inor- ganic carbon, susnd sediment mg/L (00688)	Organic carbon, susnd sediment mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Arsenic water, fltrd, ug/L (01000)
	.39	.07	.75	.82	.073	.090	.105	.5	<.1	.5	7.1	<1.0	--
Nov 17...	.39	.07	.75	.82	.073	.090	.105	.5	<.1	.5	7.1	<1.0	--
Mar 01...	1.24	--	1.4	1.5	.012	.011	.016	--	<.1	.2	2.1	<1.0	.34
Jun 08...	.77	.03	1.2	1.2	.038	.049	.059	.3	<.1	.3	6.3	<1.0	--
Aug 24...	1.33	.04	1.7	1.7	.063	.076	.085	.2	<.1	.2	2.9	<1.0	.86

01378583 OVERPECK CREEK AT ENGLEWOOD, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

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

Date	Beryll-		Chrom-		Mangan-						
	Arsenic water unfltrd ug/L (01002)	Barium, water, unfltrd ug/L (01007)	ium, water, unfltrd ug/L (01012)	Boron, water, unfltrd ug/L (01020)	Cadmium water, unfltrd ug/L (01022)	Copper, water, unfltrd ug/L (01027)	Iron, water, unfltrd ug/L (01034)	Lead, water, unfltrd ug/L (01042)	ese, water, unfltrd ug/L (01045)	Mercury water, unfltrd ug/L (01055)	Nickel, water, unfltrd ug/L (01067)
Nov 17...	--	--	--	71	--	--	--	--	--	--	--
Mar 01...	.46	55.6	<.06	68	76	E.02	.32	1.8	78	<.06	49.4
Jun 08...	--	--	--	54	--	--	--	--	--	--	--
Aug 24...	.95	60.8	<.06	93	98	E.02	.28	4.3	76	.33	13.9

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO
SEPTEMBER 2006

Part 5 of 5

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

Date	Silver, Zinc,		
	Selen- ium, water, unfltrd ug/L (01147)	water, unfltrd ug/L (01077)	water, unfltrd ug/L (01092)
Nov 17...	--	--	--
Mar 01...	.24	<.16	10
Jun 08...	--	--	--
Aug 24...	.23	<.16	5

01378583 OVERPECK CREEK AT ENGLEWOOD, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 5

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-DB water, water, fltrd, ug/L (39732)	CIAT, 0.7u GF ug/L (38746)	CEAT, water, fltrd, ug/L (04040)	OIET, water, fltrd, ug/L (04038)	Hydroxy carbo-furan, wat flt ug/L (50355)	3-Hydroxy furan, water, fltrd ug/L (49308)	Aci-fluor-fen, water, fltrd ug/L (49315)	Aldi-carb sulfone, water, fltrd ug/L (49313)	Aldi-carb sulf-oxide, water, fltrd ug/L (49314)	Aldi-carb, water, fltrd ug/L (49312)	Atrazine, water, fltrd ug/L (39632)
Jun 08...	1000	<.190	.12	<.02	<.03	<.08	<.032	<.008	<.028	<.02	<.100	<.15	<.008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 5

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Bendiocarb, water, fltrd, ug/L (50299)	Benomyl, water, fltrd, ug/L (50300)	Bensulfuron-methyl, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd, 0.7u GF ug/L (38711)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd, 0.7u GF ug/L (49311)	Caféine, water, fltrd, ug/L (50305)	Carbamyl, water, fltrd, ug/L (49310)	Carbo-furan, water, fltrd, ug/L (49309)	Chlorabenzene, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodiamino-s-triazine, water, fltrd, ug/L (04039)	Clopyralid, water, fltrd, 0.7u GF ug/L (49305)
Jun 08...	<.08	<.022	<.02	<.02	<.02	<.04	.022	.02	<.016	<.02	<.032	<.04	<.07

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

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Date	Dacthal mono-acid, water, fltrd, 0.7u GF ug/L (04031)	Dicamba, water, fltrd, 0.7u GF ug/L (49304)	Di-chlor-prop, water, fltrd, 0.7u GF ug/L (38442)	Dinoseb, water, fltrd, 0.7u GF ug/L (49302)	Diphenamid, water, fltrd, ug/L (49301)	Diuron, water, fltrd, 0.7u GF ug/L (04033)	Fenuron, water, fltrd, 0.7u GF ug/L (49300)	Flumetsulam, water, fltrd, ug/L (49297)	Fluometuron, water, fltrd, ug/L (61694)	Imazquin, water, fltrd, 0.7u GF ug/L (38811)	Imazethapyr, water, fltrd, ug/L (50356)	Imazethapyr, water, fltrd, ug/L (50407)	Imidacloprid, water, fltrd, ug/L (61695)
Jun 08...	<.01	<.03	<.04	<.03	<.04	<.01	<.02	<.10	<.04	E.01	<.04	<.04	.079

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Linuron	MCPA,	MCPB,	Meta-	Methio-	Meth-	N-(4-	Chloro-	Nico-	Norflur	Ory-	Oxamyl,	
	water, filtrd 0.7u GF ug/L (38478)	water, filtrd 0.7u GF ug/L (38482)	water, filtrd 0.7u GF ug/L (38487)	laxyl, water, filtrd, ug/L (50359)	carb, water, filtrd 0.7u GF ug/L (38501)	carb, water, filtrd 0.7u GF ug/L (49296)	omyl, water, filtrd 0.7u GF ug/L (61697)	phenyl) -N'- methyl- urea, ug/L (61692)	Neburon water, filtrd 0.7u GF ug/L (49294)	sul- furon, filtrd, 0.7u GF ug/L (50364)	azon, water, filtrd 0.7u GF ug/L (49293)	zalin, water, filtrd 0.7u GF ug/L (38866)	
Jun 08...	<.01	<.07	<.10	<.03	<.034	<.070	<.07	<.04	<.01	<.04	M	<.02	<.05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 5

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Date	Pic-	Pro-	Sulfo-	Tebu-	Tri-				
	loram, water, filtrd 0.7u GF ug/L (49291)	Propham water, filtrd 0.7u GF ug/L (49236)	Propi- conazole, water, filtrd, ug/L (50471)	poxur, water, filtrd 0.7u GF ug/L (38538)	Siduron water, filtrd, 0.7u GF ug/L (38548)	met- ruron, water, filtrd, 0.7u GF ug/L (50337)	thiuron water, filtrd, 0.7u GF ug/L (82670)	Terba- cil, water, filtrd 0.7u GF ug/L (04032)	clopyr, water, filtrd 0.7u GF ug/L (49235)
Jun 08...	<.03	<.030	<.01	<.008	E.01	<.090	<.026	<.026	.12

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

[Remark codes: <, less than; >, greater than.]

Date	Time	Enter-	Fecal		
		cocci, m-E Temp- ature, water, deg C (00010)	E coli, m-TEC MF, water, col/ 100 mL (31649)	coli- form, MF, water, col/ 100 mL (31633)	ECbroth MPN/ 100 mL (31615)
Jul					
12...	1012	20.2	1,200	1,000	2,400
19...	1027	21.6	4,200	<10	>16,000
26...	1020	20.5	350	200	5,000
Aug					
02...	1009	22.8	4,800	<10	>16,000
09...	1025	20.2	2,800	1,200	1,300