



Water-Data Report 2006

01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ

RARITAN RIVER BASIN

LOCATION.--Lat 40°38'51", long 74°58'08" referenced to North American Datum of 1983, Union Township, Hunterdon County, NJ, Hydrologic Unit 02030105, on left bank downstream side of bridge on County Route 635 (Jutland Road), 0.2 mi south of Van Syckel, 0.8 mi north of Perryville, and 0.3 mi upstream from Spruce Run Reservoir.

DRAINAGE AREA.--11.8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1973-77. July 1977 to current year.

REVISED RECORDS.--WDR NJ-89-1: 1978(P), 1979(P), 1980(P), 1981(P), 1982(P).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 280.25 ft above NGVD of 1929.

REMARKS.--Records good, except for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year. Satellite gage-height telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 08	2230	1,020	4.50
Oct 12	0515	1,620	5.41
Dec 16	0745	492	3.28
Jan 18	1330	394	2.98
Apr 23	0545	308	2.68
May 16	1200	471	3.22
Jun 28	0715	*2,230	*6.16
Jul 05	0930	1,180	4.76

01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.2	10	18	19	26	15	9.6	12	13	19	6.9	4.9
2	2.2	9.5	14	34	25	18	9.0	12	23	16	6.3	62
3	2.1	9.5	12	128	63	17	9.4	12	63	16	5.9	33
4	2.1	9.5	12	37	45	15	15	11	21	13	5.8	9.3
5	2.2	9.9	11	28	45	14	13	11	14	191	5.3	8.0
6	2.2	9.9	11	24	29	15	11	10	12	50	5.2	9.1
7	4.6	12	10	22	26	14	11	9.8	41	24	5.7	6.5
8	300	9.4	9.4	21	25	14	29	9.7	28	20	5.1	5.6
9	87	12	11	20	24	14	18	9.5	20	17	4.7	5.3
10	14	16	10	19	24	15	13	9.2	15	20	5.2	5.0
11	9.5	9.8	10	38	23	13	11	9.3	12	15	5.6	4.7
12	404	8.6	10	38	25	17	11	33	11	22	4.5	4.6
13	46	8.6	9.1	24	24	16	11	25	11	28	4.3	4.8
14	63	8.3	8.7	51	23	14	11	20	10	15	4.2	31
15	41	8.8	7.7	34	27	13	11	19	9.6	14	6.0	80
16	20	24	155	24	34	12	9.7	119	8.7	13	4.7	19
17	15	40	32	22	44	12	9.0	29	8.7	11	4.2	10
18	13	16	23	127	26	11	8.9	20	8.3	14	4.2	8.2
19	11	13	20	42	21	11	8.5	18	8.2	16	4.2	7.5
20	10	12	17	33	20	11	8.2	16	8.8	11	4.7	6.7
21	10	13	16	30	20	11	8.2	14	7.9	11	3.8	6.2
22	15	44	15	26	20	11	29	13	7.7	18	3.6	5.7
23	28	18	15	59	20	10	116	13	7.8	13	3.7	6.5
24	13	15	16	37	19	10	49	12	11	9.9	3.6	6.2
25	59	12	30	31	18	10	25	12	10	9.2	3.8	5.6
26	29	11	46	26	16	13	19	13	49	9.0	6.2	5.3
27	16	11	23	24	15	11	17	14	27	8.7	7.2	5.1
28	13	11	19	24	15	10	15	11	430	9.6	9.8	5.4
29	12	e23	28	27	---	9.9	14	11	43	8.3	11	9.4
30	11	e105	23	30	---	9.7	13	10	24	7.6	8.8	6.0
31	11	---	19	33	---	9.3	---	9.9	---	7.1	5.8	---
Total	1,268.1	519.8	660.9	1,132	742	395.9	542.5	547.4	963.7	656.4	170.0	386.6
Mean	40.9	17.3	21.3	36.5	26.5	12.8	18.1	17.7	32.1	21.2	5.48	12.9
Max	404	105	155	128	63	18	116	119	430	191	11	80
Min	2.1	8.3	7.7	19	15	9.3	8.2	9.2	7.7	7.1	3.6	4.6
Cfsm	3.47	1.47	1.81	3.09	2.25	1.08	1.53	1.50	2.72	1.79	0.46	1.09
In.	4.00	1.64	2.08	3.57	2.34	1.25	1.71	1.73	3.04	2.07	0.54	1.22

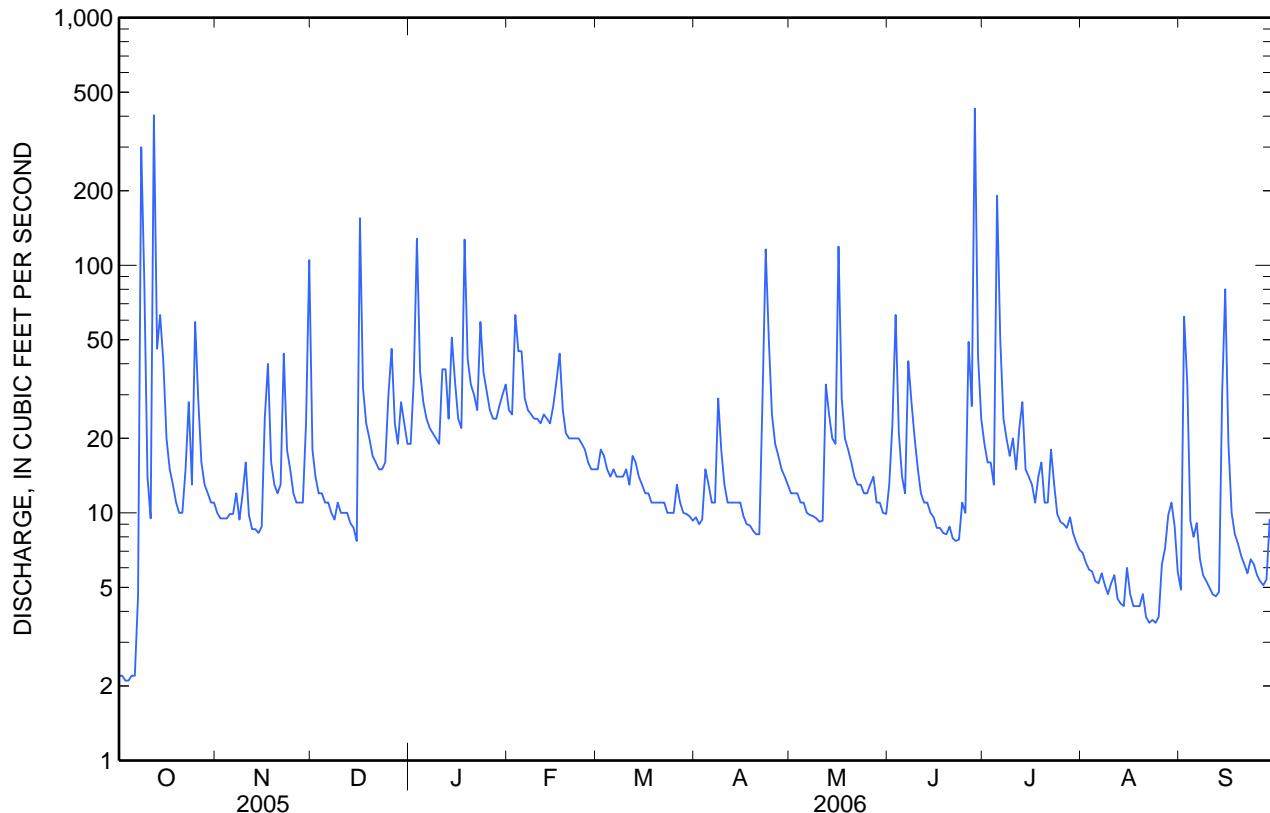
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	13.3	16.7	22.9	24.2	23.8	30.8	33.6	25.4	18.3	13.1	9.02	10.3
Max	40.9	32.6	77.9	79.2	40.2	76.8	94.1	59.2	61.1	53.2	31.9	40.0
(WY)	(2006)	(1986)	(1997)	(1979)	(1979)	(1994)	(1984)	(1984)	(1989)	(1984)	(2003)	(1999)
Min	3.54	4.04	3.95	5.01	5.26	10.2	6.88	10.0	4.62	1.98	2.79	2.18
(WY)	(2002)	(2002)	(1999)	(1981)	(2002)	(1985)	(1985)	(1995)	(1999)	(1999)	(1995)	(2005)

01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ—Continued**SUMMARY STATISTICS**

	Calendar Year 2005		Water Year 2006		Water Years 1977 - 2006	
Annual total	7,987.6		7,985.3			
Annual mean	21.9		21.9		20.1	
Highest annual mean					35.2	1984
Lowest annual mean					8.67	2002
Highest daily mean	434	Apr 2	430	Jun 28	918	Sep 16, 1999
Lowest daily mean	1.8	Sep 22	2.1	Oct 3, 4	1.1	Aug 2, 1999
Annual seven-day minimum	1.9	Sep 18	2.5	Oct 1	1.2	Aug 1, 1999
Maximum peak flow			2,230	Jun 28	^a 3,590	Sep 20, 1989
Maximum peak stage				6.16	Jun 28	7.41
Instantaneous low flow				2.0	Oct 2 - 4	1.0
Annual runoff (cfsm)	1.85		1.85			1.71
Annual runoff (inches)	25.18		25.17			23.18
10 percent exceeds	41		37			39
50 percent exceeds	13		13			12
90 percent exceeds	2.6		5.6			4.2

^a From rating curve extended above 1,200 ft³/s.



01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1976 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: April 1997 to August 1998.

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: Undeveloped Land Use Indicator, New Jersey Department of Environmental Protection (NJDEP)
Watershed Management Area 8.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJDEP in cooperation with the NJ Water Supply Authority. 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, suspended residue, ammonia+organic nitrogen in bed sediment, phosphorous in bed sediment, 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	Sample type	Instan- taneous dis- charge, cfs (00061)	Turbdty light, det ang 90+/-30 corrcrd	UV absorb- ance, 254 nm, wat flt	UV absorb- ance, 280 nm, wat flt	Baro- metric pres- sure, mm Hg	Dis- solved oxygen, mg/L (00025)	Dis- solved oxygen, mg/L (00300)	pH, unfltrd water, percent of sat- uration (00301)	Specif. conduc- tance, wat unf field, std units (00400)	Temper- ature, air, deg C (00020)
Nov												
15...	1100	Environmental	8.6	.7	.048	.037	764	11.5	101	8.0	252	12.5
Feb												
01...	1045	Field Blank	--	--	--	--	--	--	--	--	--	--
01...	1100	Environmental	25	1.2	.041	.030	754	13.6	108	8.0	254	4.5
Jun												
06...	1045	Environmental	13	1.3	.065	.049	756	8.8	91	7.7	254	20.5
Aug												
01...	1020	Field Blank	--	--	--	--	--	--	--	--	--	--
01...	1030	Environmental	7.7	1.4	.051	.039	755	9.1	105	7.8	256	32.0

01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 5

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

Date	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calcium water, mg/L (00915)	Magnes- ium, water, mg/L (00925)	Potas- sium, water, mg/L (00935)	Sodium, water, mg/L (00930)	ANC, wat unf			Chlor- ide, lab, mg/L as CaCO ₃ (90410)	Fluor- ide, water, mg/L (00950)	Silica, water, mg/L (00955)	Sulfate water, mg/L (00945)	Residue water, filtr, sum of consti- tuents mg/L (70301)	Residue on evap. 180degC wat flt mg/L (70300)
							fixed end pt,	Chlor- ide, lab, mg/L as CaCO ₃ (90410)	Fluor- ide, water, mg/L (00950)						
Nov 15...	9.6	89	22.7	7.78	1.52	12.5	59	25.8	E.07	13.3	13.4	136	151		
Feb 01...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
01...	5.2	70	18.1	6.02	1.26	19.7	42	38.0	E.06	13.3	14.6	140	139		
Jun 06...	16.6	81	20.9	6.88	1.29	14.6	60	30.7	E.07	14.8	13.0	142	154		
Aug 01...	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
01...	21.8	92	23.8	8.02	1.31	12.4	68	26.7	E.07	12.9	12.7	142	150		

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

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

Date	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia		Nitrite		Partic- ulate nitro- gen, susp, water, mg/L (00613)		Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phosphate, water, fltrd, mg/L (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total carbon, susnd sedimnt total, mg/L (00694)
		org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite water, fltrd, mg/L as N (49570)	Total nitro- gen, water, fltrd, mg/L as P (00602)	Total nitro- gen, water, unfltrd mg/L as P (00600)	Ortho- phosphate, water, fltrd, mg/L (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total carbon, susnd sedimnt total, mg/L (00694)
Nov 15...	2	.30	E.008	--	.78	--	.04	1.1	1.1	E.006	.008	.008	.2
Feb 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
01...	8	.14	.010	--	.87	--	<.02	1.0	--	E.007	.005	.011	.1
Jun 06...	2	.19	.023	--	.82	--	<.02	1.0	--	.017	.017	.022	.1
Aug 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
01...	1	.19	<.010	.81	.81	.003	.03	1.0	1.0	.015	.014	.017	.2

01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

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

Date	Inor-gan-ic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, filtrd, mg/L (00681)	BOD, water, 5 day, 20 degC mg/L (00310)	Arsenic water, filtrd, ug/L (01000)	Arsenic water, unfltrd ug/L (01002)	Barium, water, recover -able, ug/L (01007)	Beryll-ium, water, unfltrd recover -able, ug/L (01012)	Boron, water, unfltrd recover -able, ug/L (01020)	Boron, water, unfltrd recover -able, ug/L (01022)	Cadmium, water, unfltrd recover -able, ug/L (01027)	Chrom-ium, water, unfltrd recover -able, ug/L (01034)	Copper, water, filtrd, ug/L (01040)
Nov 15...	<.1	.2	2.7	<1.0	--	--	--	--	12	--	--	--	--
Feb 01...	--	--	--	--	<.12	--	--	--	--	--	--	--	<.4
01...	<.1	.1	1.4	<1.0	.19	.13	35.5	<.06	9.6	E6	<.04	.16	--
Jun 06...	<.1	.1	1.9	<1.3	--	--	--	--	10	--	--	--	--
Aug 01...	--	--	--	--	<.12	--	--	--	--	--	--	--	<.40
01...	<.1	.2	1.5	E1.5	.35	.48	44.9	<.06	11	11	<.04	.28	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 5

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

Date	Copper, water, unfltrd recover -able, ug/L (01042)	Iron, water, unfltrd recover -able, ug/L (01045)	Lead, water, unfltrd recover -able, ug/L (01049)	Lead, water, unfltrd recover -able, ug/L (01051)	Manganese, water, unfltrd recover -able, ug/L (01055)	Mercury water, filtrd, ug/L (71890)	Mercury water, unfltrd recover -able, ug/L (71900)	Nickel, water, filtrd, ug/L (01065)	Nickel, water, unfltrd recover -able, ug/L (01067)	Selenium, water, unfltrd recover -able, ug/L (01147)	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, unfltrd recover -able, ug/L (01090)	Zinc, water, unfltrd recover -able, ug/L (01092)
Nov 15...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 01...	--	--	<.08	--	--	<.010	--	<.06	--	--	--	E.4	--
01...	.7	111	--	.07	17.8	--	<.010	--	.64	.17	<.16	--	E1
Jun 06...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug 01...	--	--	<.08	--	--	<.010	--	<.06	--	--	--	<.60	--
01...	.9	123	--	.11	16.6	--	<.010	--	1.17	.22	<.16	--	<2

01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 4

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

Date	Time	Ammonia			Inor-			Chrom-					
		pH bed sedimnt std	+ org-N, bed sedimnt total, mg/kg (70310)	Phos- phorus, bed sedimnt total, mg/kg (00626)	Total carbon, bed sedimnt total, g/kg (00668)	Inor- ganic carbon, bed sedimnt total, g/kg (00693)	Arsenic bed sedimnt total, ug/g (64847)	Cadmium bed sedimnt recover -able, ug/g (01028)	ium, bed sedimnt recover -able, ug/g (01029)	Cobalt bed sedimnt recover -able, ug/g (01038)	Copper, bed sedimnt recover -able, ug/g (01043)	Iron, bed sedimnt total, ug/g (01170)	Lead, bed sedimnt recover -able, ug/g (01052)
Aug 01...	1030	6.81	190	2,400	3.9	<.2	1.5	.050	6.3	2.5	4	6,800	8.9

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 4

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

Date	Mangan- ese, bed sedimnt recover -able, ug/g (01053)	Mercury bed sedimnt recover -able, ug/g (71921)	Nickel, bed sedimnt recover -able, ug/g (01068)	Sele- nium, bed sedimnt recover -able, ug/g (64848)	Zinc, bed sedimnt recover -able, ug/g (01093)	1,2-Di- methyl- naphth- alene, <2 mm, ug/kg (49403)	1,6-Di- methyl- naphth- alene, <2 mm, ug/kg (49404)	1Methyl -9H- fluor- ene, <2 mm, ug/kg (49398)	1- Methyl- phenan- threne, <2 mm, ug/kg (49410)	1- Methyl- pyrene, wsv nat ug/kg (49388)	236Tri- methyl- naphth- alene, <2 mm, ug/kg (49405)	2,6-Di- methyl- naphth- alene, <2 mm, ug/kg (49406)	2-Ethyl naphth- alene bed sed bed sed
Aug 01...	160	<.007	3.2	.2	25	E1	E5	E5	E15	E24	E6	E17	E3

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 4

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

Date	2- Methyl- anthra- cene, bed sed <2 mm, bs <2mm ug/kg (49435)	4H-Cyc- lopenta- ene, bed sed <2 mm, wsv nat ug/kg (49411)	9H- Fluor- ene, bed sed <2 mm, wsv nat ug/kg (49399)	Ace- naphth- ylene, bed sed field, wsv nat ug/kg (49429)	Ace- naphth- ylene, bed sed field, wsv nat ug/kg (49428)	Anthra- cene, bed sed <2 mm, wsv nat ug/kg (49434)	Benzo- [a]- anthra- cene, bed sed field, wsv nat ug/kg (49436)	Benzo- [a]- pyrene, bed sed field, wsv nat ug/kg (49389)	Benzo- [b]- fluor- ene, bed sed field, wsv nat ug/kg (49458)	Benzo- [ghi]- peryl- ene, bed sed field, wsv nat ug/kg (49408)	Benzo- [k]- fluor- ene, bed sed field, wsv nat ug/kg (49397)	Chry- sene, bed sed field, wsv nat ug/kg (49450)	Dibenzo- [a,h]- anthra- cene, bed sed field, wsv nat ug/kg (49461)
Aug 01...	E18	E26	E10	E2	E18	53	110	100	130	69	55	100	E30

01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 4

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

Date	Fluor-anthene bed sed <2 mm wsv nat field, ug/kg (49466)	Indeno-[1,2,- 3-cd]- pyrene, bed sed <2 mm wsv nat bed ug/kg (49390)	Iso-phrone bed sed <2 mm wsv nat field, ug/kg (49400)	Naphth-alene, bed sed <2 mm wsv nat wsv nat bed ug/kg (49402)	p-PCBs, bed sed wsv nat sedimnt ug/kg (39519)	Phenan-threne, bed sed <2 mm, wsv nat field, ug/kg (49451)	Phenan-threne, bed sed <2 mm, wsv nat field, ug/kg (49409)	Pyrene, bed sed <2 mm, wsv nat field, ug/kg (49393)	Bed sediment, dry svd sve dia percent <.063mm (80164)	Bed sediment, fallidia dst wat percent <.004mm (80157)	
Aug 01...	260	E80	<50	E2	<5.00	<50	110	<50	190	3	1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 5

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

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-fen, water, wat flt ug/L (50355)	3-Hydroxy carbo-fen, furan, wat flt ug/L (49308)	Aci-fluor-fen, water, fltrd ug/L (49315)	Aldi-carb sulfone, water, wat flt ug/L (49313)	Aldi-carb sulfone, water, wat flt ug/L (49314)	Aldi-carb sulfone, water, fltrd ug/L (49312)	Aldi-carb sulfone, water, fltrd ug/L (39632)	Atrazine, water, fltrd ug/L (39632)
Jun 06...		1045	<.190	<.04	<.02	E.01	<.08	<.032	<.008	<.028	<.02	<.102	<.15	<.008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 5

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

Date	Bendio-carb, water, fltrd, ug/L (50299)	Benomyl, water, fltrd, ug/L (50300)	Bensul-furon-methyl, water, fltrd, ug/L (61693)	Ben-tazon, water, fltrd, 0.7u GF ug/L (38711)	Bromo-cil, water, fltrd, ug/L (04029)	Brom-oxynil, water, fltrd, 0.7u GF ug/L (49311)	Caf-eine, water, fltrd, ug/L (50305)	Car-baryl, water, fltrd, 0.7u GF ug/L (49310)	Carbo-furan, water, fltrd, 0.7u GF ug/L (49309)	Chlor-amben, methyl ester, fltrd, ug/L (61188)	Chlor-amben, muron, water, fltrd, ug/L (50306)	Chlor-di-amino-s-triazine, wat flt ug/L (04039)	Chloro-alid, water, fltrd ug/L (49305)
Jun 06...	<.08	<.022	<.02	<.02	<.02	<.04	<.018	<.02	<.016	<.02	<.032	<.04	<.07

01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

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

Date	Dacthal		Di-chlor-						Fluo-			
	mono-	mono-	prop,	Dinoseb	Diphen-	Diuron,	Fenuron	Flumet-	meturon	Imaza-	Imaze-	Imida-
	Cyclo-	acid, water,	Dicamba	water,	water,	amid, water,	water,	sulam,	water,	quin,	thapyr,	cloprid
	ate,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,
	water,	filtrd	filtrd	filtrd	filtrd	filtrd	filtrd	filtrd	filtrd	filtrd	filtrd	filtrd
	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF	0.7u GF
Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	(04031)	(49304)	(38442)	(49302)	(49301)	(49303)	(49300)	(49297)	(61694)	(38811)	(50356)	(50407)
Jun												
06...	<.01	<.03	<.04	<.03	<.04	<.01	<.01	<.10	<.04	<.02	<.04	<.04

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

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

Date									N-(4-			
	Linuron	MCPA,	MCPB,	Meta-	Methio-	Meth-	Metsul-	Chloro-	Nico-	Norflur	Ory-	Oxamyl,
	water,	water,	water,	laxyl,	carb,	omyl,	furon,	-N'	sul-	azon,	zalin,	water,
	filtrd	filtrd	filtrd	water,	filtrd	water,	filtrd	methyl-	furon,	water,	filtrd	filtrd
	0.7u GF	0.7u GF	0.7u GF	filtrd,	0.7u GF	0.7u GF	filtrd,	urea,	0.7u GF	filtrd,	0.7u GF	0.7u GF
Date	ug/L											
	(38478)	(38482)	(38487)	(50359)	(38501)	(38501)	(49296)	(61697)	(61692)	(49294)	(50364)	(49293)
Jun												
06...	<.01	<.07	<.10	<.03	<.034	<.070	<.07	<.04	<.01	<.04	<.02	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 5

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

Date	Pic-		Propri-		Pro-		Sulfo-		Tebu-		Tri-	
	Ioram,	Propham	conazole,	poxur,	Siduron	ruron,	met-	thiuron	Terba-	cil,	water,	clopyr,
	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,
	filtrd	filtrd	water,	filtrd	filtrd	water,	filtrd,	filtrd,	filtrd,	water,	filtrd	filtrd
	0.7u GF	0.7u GF	filtrd,	0.7u GF	0.7u GF	water,	ug/L	ug/L	ug/L	water,	ug/L	0.7u GF
Date	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
	(49291)	(49236)	(50471)	(38538)	(38548)	(50337)	(50337)	(82670)	(04032)			(49235)
Jun												
06...	<.03	<.030	<.01	<.008	<.02	<.090	<.026	<.026	<.026	<.03		

01396660 MULHOCKAWAY CREEK AT VAN SYCKEL, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Date	Time	Instan- taneous dis- charge, cfs (00061)	Temper- ature, deg C (00010)	Enter- occi,		E coli, m-TEC MF, water, col/ 100 mL (31649)	Fecal coli- form, ECbroth MF, water, col/ 100 mL (31633)	MPN/ 100 mL (31615)
				m-E	MF,			
Jul								
12...	0915	14	19.6	570	850	3,000		
19...	0950	15	20.3	480	600	700		
26...	0915	9.5	19.5	200	600	140		
Aug								
02...	0915	6.9	22.3	500	430	2,400		
09...	0920	4.9	8.9	550	250	210		