

## Water-Data Report 2009

**01399565 ROCKAWAY CREEK AT ROCKAWAY ROAD, AT MOUNTAINVILLE, NJ**

PASSAIC RIVER BASIN

LOCATION.--Lat 40°41'24", long 74°48'40" referenced to North American Datum of 1983, Tewksbury Township, Hunterdon County, NJ, Hydrologic Unit 02030105, at bridge on Rockaway Road at Mountainville, 0.1 mi southeast of intersection with Main Street, 1.1 mi northeast of Cokesbury, and 7.6 mi upstream from South Branch Rockaway Creek.

DRAINAGE AREA.--9.07 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--December 2008 to August 2009

REMARKS.--Cooperative Network Site Descriptor: Statewide Status, NJ Department of Environmental Protection Watershed Management Area 8.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of 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 5

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

Date	Time	Baro-metric pressure, air, mm Hg (00025)	Temper-ature, air, deg C (00020)	UV absorb-ance, 254 nm, wat flt /cm (50624)	UV absorb-ance, 280 nm, wat flt /cm (61726)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif-ic conduc-tance, µS/cm @ 25 degC (00095)	Turbdty white light, det ang 90+/-30	Dis-solved solids, dried @ 180degC	Dis-solved solids, sum of constituents, mg/L (70301)
Dec 02...	0900	755	9.0	.125	.097	11.7	89	7.5	163	3.9	1.5	111
Feb 24...	0930	761	1.0	.033	.026	--	--	7.6	175	.3	.7	103
May 07...	0845	748	16.0	.399	.318	10.2	94	7.3	89	12.0	40	69
Sep 02...	0915	760	22.0	.049	.038	10.2	99	7.6	174	14.1	.4	114
												E104

## 01399565 ROCKAWAY CREEK AT ROCKAWAY ROAD, AT MOUNTAINVILLE, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 5

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

Date	ANC, wat unf						Total			Inor- ganic			
	Hard- ness, water, mg/L as CaCO <sub>3</sub> (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)	end pt, lab, mg/L as CaCO <sub>3</sub> (90410)	suspnd carbon, mg/L as CaCO <sub>3</sub> (00694)	sedimnt total, mg/L (00940)	Chlor- ide, water, fltrd, mg/L (00950)	Fluor- ide, water, fltrd, mg/L (00688)	Silica, water, fltrd, mg/L as SiO <sub>2</sub> (00955)	Sulfate water, fltrd, mg/L (00945)
Dec 02...	53	1	12.8	5.14	1.66	8.50	35	.2	15.6	E.04	<.04	14.9	12.5
Feb 24...	55	2	13.0	5.48	1.19	9.81	32	.3	19.0	E.09	<.04	15.9	13.0
May 07...	27	50	6.44	2.57	1.24	5.81	19	4.4	9.64	<.08	E.03	8.6	6.17
Sep 02...	57	<1	14.0	5.44	1.52	8.48	37	<.2	18.3	E.08	E.02	17.3	11.3

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 3 of 5

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

Date	Ammonia + org-N, water, fltrd, mg/L as N (00623)		Nitrate + Ammonia water, fltrd, mg/L as N (00608)	Ortho- phosphate, water, fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (49570)	Phos- phorus, water, fltrd, mg/L as P (00666)	Total nitro- gen, water, fltrd, mg/L as P (00665)	Total nitro- gen, water, fltrd, mg/L as P (00602)	Barium, water, unfltrd recover -able, µg/L (01007)	Beryll- ium, water, unfltrd recover -able, µg/L (01012)	Chrom- ium, water, unfltrd recover -able, µg/L (01027)	
Dec 02...	.24	.026	1.19	.016	.02	.019	.025	1.4	1.5	--	--	--	--
Feb 24...	.15	.028	1.58	E.010	.05	.010	.017	1.7	1.8	15.2	<.02	<.06	<.40
May 07...	.44	.018	.28	.010	.41	.024	.111	.72	1.1	--	--	--	--
Sep 02...	.13	<.010	1.39	.013	<.02	.015	.013	1.5	--	15.1	<.02	<.06	<.40

## 01399565 ROCKAWAY CREEK AT ROCKAWAY ROAD, AT MOUNTAINVILLE, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 4 of 5

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

Date	Mangan-												Organic carbon, susnd sedimt total, mg/L (00689)
	Copper, water, unfltrd recover -able, μg/L (01042)	Iron, water, unfltrd recover -able, μg/L (01045)	Lead, water, unfltrd recover -able, μg/L (01051)	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, filtrd, unfltrd μg/L (01000)	Arsenic water, unfltrd μg/L (01002)	Boron, water, unfltrd recover -able, μg/L (01022)	Selen- ium, water, unfltrd μg/L (01147)	
Dec 02...	--	--	--	--	--	--	--	--	--	--	--	--	.20
Feb 24...	<4.0	60	<.10	7.4	<.010	E.16	<.06	E1.1	.10	<.20	<14	.25	.30
May 07...	--	--	--	--	--	--	--	--	--	--	--	--	4.33
Sep 02...	<4.0	61	<.10	6.3	<.010	E.20	<.06	E1.0	.22	.39	<14	.25	<.12

**WATER-QUALITY  
DATA  
WATER YEAR  
OCTOBER 2008 TO  
SEPTEMBER 2009**

Part 5 of 5

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

Date	Organic carbon, water, filtrd, mg/L (00681)
Dec 02...	3.5
Feb 24...	1.4
May 07...	8.4
Sep 02...	1.5

## 01399565 ROCKAWAY CREEK AT ROCKAWAY ROAD, AT MOUNTAINVILLE, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 7

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

Date	1-Naph-thol, water, 0.7µ GF	ethyl-aniline water, filtrd 0.7µ GF	2,6-Di-ethyl-aniline acetanilide water, fltrd 0.7µ GF	2-Chloro-diethyl water, fltrd 0.7µ GF	CIAT, water, filtrd, 0.7µ GF	2-6-chloro-aniline water, filtrd, 0.7µ GF	3,4-Di-chloro-aniline water, filtrd, 0.7µ GF	3,5-Di-chloro-aniline water, filtrd, 0.7µ GF	4-Chloro-phenol, water, filtrd, 0.7µ GF	Aceto-chlor, water, filtrd, 0.7µ GF	Ala-chlor, water, filtrd, 0.7µ GF	alpha-sulfan, water, filtrd, 0.7µ GF	Endo-sulfan, water, filtrd, 0.7µ GF	Atra-zine, water, filtrd, 0.7µ GF	Azin-phos-methyl oxon, water, filtrd, 0.7µ GF
	µg/L (49295)	µg/L (82660)	µg/L (61618)	µg/L (04040)	µg/L (61620)	µg/L (61625)	µg/L (61627)	µg/L (61633)	µg/L (49260)	µg/L (46342)	µg/L (34362)	µg/L (39632)	µg/L (61635)		
May 07...	<.04	<.006	<.010	E.015	<.010	<.004	<.004	<.005	<.010	E.007	<.006	.013	<.04		

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 7

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

Date	Azin-phos-methyl, water, 0.7µ GF	Ben-flur-alin, water, filtrd 0.7µ GF	Car-baryl, water, filtrd 0.7µ GF	Carbo-furan, water, filtrd 0.7µ GF	Chlor-pyrifos oxon, water, filtrd 0.7µ GF	Chlor-pyrifos water, filtrd, 0.7µ GF	Chlor-pyrifos water, filtrd, 0.7µ GF	cis-Per-methrin water, filtrd, 0.7µ GF	cis-Propi-conazole, water, filtrd, 0.7µ GF	Cyana-zine, water, filtrd, 0.7µ GF	Cyflu-thrin, water, filtrd, 0.7µ GF	Cyper-methrin, water, filtrd, 0.7µ GF	DCPA, water, filtrd 0.7µ GF	Desulf-inyl-fipro-nil, water, filtrd 0.7µ GF
	µg/L (82686)	µg/L (82673)	µg/L (82680)	µg/L (82674)	µg/L (61636)	µg/L (38933)	µg/L (82687)	µg/L (79846)	µg/L (04041)	µg/L (61585)	µg/L (61586)	µg/L (82682)	µg/L (62169)	
May 07...	<.120	<.014	E.015	<.060	<.05	<.010	<.014	<.006	<.040	<.016	<.020	<.006	<.029	

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 3 of 7

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

Date	Desulf-inyl-fipro-nil, water, filtrd 0.7µ GF	Diazi-non, water, filtrd 0.7µ GF	Di-chlor-vos, water, filtrd 0.7µ GF	Dicro-tophos, water, filtrd 0.7µ GF	Diel-drin, water, filtrd, 0.7µ GF	Dimeth-oate, water, filtrd, 0.7µ GF	Disulf-oton, water, filtrd, 0.7µ GF	Disul-foton, water, filtrd, 0.7µ GF	Endo-sulfan, water, filtrd, 0.7µ GF	EPTC, water, filtrd, 0.7µ GF	Ethion-monoxon water, filtrd, 0.7µ GF	Ethion, water, filtrd, 0.7µ GF	Etho-prop, water, filtrd, 0.7µ GF	
	µg/L (62170)	µg/L (39572)	µg/L (38775)	µg/L (38454)	µg/L (39381)	µg/L (82662)	µg/L (61640)	µg/L (82677)	µg/L (61590)	µg/L (82668)	µg/L (61644)	µg/L (82346)	µg/L (82672)	
May 07...	<.012	<.005	<.02	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016	

## 01399565 ROCKAWAY CREEK AT ROCKAWAY ROAD, AT MOUNTAINVILLE, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 4 of 7

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

Date	Fenami-													
	Fenami-phos	sulf-	Fenami-phos	Fipro-nil	Fipro-nil	Fipro-	Fonofos	Hexa-	Ipro-	Isofen-	lambda-	Cyhalo-	Mala-	Mala-
water,	oxide,	water,	water,	water,	water,	water,	water,	zinone,	dione,	phos,	water,	oxon,	water,	thion,
fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,
µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	(62168)	(62166)	(04095)	(61593)	(61594)	(61595)	(61652)	(39532)
(61645)	(61646)	(61591)	(62167)	(62168)	(62166)	(04095)	(04025)	(61593)	(61594)	(61595)	(61652)	(39532)		
May 07...	<.053	<.08	<.03	<.013	<.024	<.040	<.010	<.008	<.014	<.006	<.010	<.080	<.020	

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 5 of 7

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

Date	Methyl													
	Meta-laxyl,	Methid-athion,	Methyl-oxon,	Methyl-para-thion,	Metola-chlor,	Metri-buzin,	Moli-nate,	Myclo-butanol	Oxy-fluor-fen,	Pendi-meth-alin,	Phorate	Phorate	Phosmet	
water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	water,	
fltrd,	fltrd,	fltrd,	fltrd,	0.7µ GF	fltrd,	fltrd,	0.7µ GF	fltrd,	fltrd,	0.7µ GF	fltrd,	0.7µ GF	fltrd,	
µg/L	µg/L	µg/L	µg/L	µg/L	(82667)	(39415)	(82630)	(82671)	(61599)	(61600)	(82683)	(61666)	(82664)	(61668)
(61596)	(61598)	(61664)	(61664)	(82667)	(39415)	(82630)	(82671)	(61599)	(61600)	(82683)	(61666)	(82664)	(61668)	
May 07...	<.007	<.006	<.01	<.008	E.011	<.016	<.002	<.010	<.006	<.012	<.03	<.020	<.05	

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 6 of 7

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

Date	Ter-													
	Phosmet	Prome-ton,	Prome-tryn,	Propanil,	Propar-gite,	Propy-zamide,	Tebu-simazine,	Terbufos	Terbu-	Ter-	Thio-			
water,	water,	water,	water,	water,	water,	water,	water,	oxon	fos,	buthyl-	ben carb			
fltrd,	fltrd,	fltrd,	fltrd,	0.7µ GF	0.7µ GF	0.7µ GF	0.7µ GF	fltrd,	water,	water,	water,			
µg/L	µg/L	µg/L	µg/L	(82679)	(82685)	(82676)	(04035)	(82670)	(61606)	(61674)	(82675)	(04022)	(82681)	
(61601)	(04037)	(04036)	(04036)	(82679)	(82685)	(82676)	(04035)	(82670)	(61606)	(61674)	(82675)	(04022)	(82681)	
May 07...	<.200	<.01	<.006	<.014	<.02	<.004	<.010	<.02	<.010	<.04	<.02	<.01	<.016	

**01399565 ROCKAWAY CREEK AT ROCKAWAY ROAD, AT MOUNTAINVILLE, NJ—Continued****WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO  
SEPTEMBER 2009**

Part 7 of 7

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

Date	trans- Propi- con-a- zole, water, filtrd, μg/L (79847)	Tribu- phos, water, filtrd, μg/L (61610)	Tri- flur- alin, water, filtrd 0.7μ GF μg/L (82661)
<b>May</b> <b>07...</b>	<.02	<.035	<.012