



Water-Data Report 2009

**01378400 DWARS KILL AT ANDERSON AVENUE, AT ALPINE, NJ**

HACKENSACK RIVER BASIN

LOCATION.--Lat 40°58'36", long 73°56'03" referenced to North American Datum of 1983, Alpine Borough, Bergen County, NJ, Hydrologic Unit 02030103, at foot of Anderson Avenue in Alpine, 1.6 mi southwest of Northvale, and 1.7 mi upstream of mouth.

DRAINAGE AREA.--0.35 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 2002 to current year.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Discharge, in ft <sup>3</sup> /s
Nov 6, 2008	0.32
Feb 24, 2009	0.31
May 18, 2009	0.30
Aug 18, 2009	0.03

## 01378400 DWARS KILL AT ANDERSON AVENUE, AT ALPINE, NJ—Continued

## WATER-QUALITY RECORDS

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

REMARKS.--Cooperative Network Site Descriptor: Background, NJ Department of Environmental Protection Watershed Management Area 5.

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 5

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

Date	Time	Baro-metric pressure, mm Hg (00025)	Temper-ature, air, deg C (00020)	UV absorb-ance, 254 nm, wat flt units (50624)	UV absorb-ance, 280 nm, wat flt units (61726)	Instan-taneous dis-charge, ft³/s (00061)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfiltrd field, std units (00400)	Specif-ic conduc-tance, wat unf 25 degC µS/cm @ (00095)	Turbdty white light, 90+/-30 NTRU (63676)	Dis-solved solids dried @ 180degC wat flt mg/L (70300)	
Nov 06...	0920	755	16.0	.092	.071	.32	10.5	98	7.2	169	12.0	.8	116
Feb 24...	0950	764	-2.0	.043	.031	.31	14.7	101	7.4	157	.2	1.6	104
May 18...	1115	762	11.0	.071	.052	.30	10.8	97	7.0	128	10.6	150	95
Aug 18...	1100	760	27.0	.050	.038	.03	7.2	80	6.9	135	20.5	3.6	93

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

Part 2 of 5

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

Date	Dis-solved solids, sum of constituents, mg/L (70301)	Hard-ness, water, mg/L CaCO <sub>3</sub> (00900)	Sus-pended solids, water, unfltrd mg/L (00530)	Calcium water, fltrd, mg/L (00915)	Magnes-iun, 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 CaCO <sub>3</sub> (90410)	Total carbon, suspnd sedimnt mg/L (00694)	Chlor-ide, water, filtrd, mg/L (00940)	Fluor-ide, water, filtrd, mg/L (00950)	Inor-ganic carbon, suspnd sedimnt total, mg/L (00688)	Silica, water, filtrd, mg/L SiO <sub>2</sub> (00955)
Nov 06...	E105	52	<1	13.2	4.72	.91	11.0	38	<.2	17.2	E.07	<.04	20.6
Feb 24...	E99	38	<1	9.20	3.59	.43	14.2	25	E.1	19.6	E.07	<.04	19.5
May 18...	E87	38	1	9.27	3.55	.41	8.88	31	E.2	12.0	E.04	<.04	20.8
Aug 18...	E91	41	5	10.5	3.53	.72	8.27	33	E.2	10.2	E.06	<.04	23.0

## 01378400 DWARS KILL AT ANDERSON AVENUE, AT ALPINE, NJ—Continued

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

Part 3 of 5

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

Date	Sulfate water, filtrd, mg/L (00945)	Ammonia + org-N, water, filtrd, mg/L as N (00623)	Ammonia water, filtrd, mg/L as N (00608)	Nitrate nitrite water, filtrd, mg/L as N (00631)	Ortho-phosphate, water, filtrd, mg/L as P (00671)	Particulate nitro- gen, susp, water, filtrd, mg/L as P (00670)	Phos- phorus, water, filtrd, mg/L as P (00666)	Phos- phorus, water, unfltrd, mg/L as P (00665)	Total nitro- gen, water, filtrd, mg/L (00602)	Total nitro- gen, water, unfltrd, mg/L (00600)	Barium, water, recover- able, µg/L (01007)	Beryll- ium, water, recover- able, µg/L (01012)	Beryll- ium, water, unfltrd, µg/L (01027)
Nov 06...	15.0	.13	.026	<.04	E.008	E.01	E.006	.009	--	--	--	--	--
Feb 24...	17.2	E.09	E.006	.09	E.007	<.02	<.008	<.008	E.17	--	11.4	E.02	<.06
May 18...	12.8	E.09	<.010	.06	E.008	.03	E.005	E.007	E.15	E.17	--	--	--
Aug 18...	13.8	E.07	E.010	.26	.016	E.01	.015	.022	E.33	E.35	15.3	.03	<.06

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

Part 4 of 5

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

Date	Chrom- ium, water, unfltrd recover- able, µg/L (01034)	Copper, water, unfltrd recover- able, µg/L (01042)	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, filtrd, µg/L (01000)	Arsenic, water, unfltrd, µg/L (01002)	Boron, water, unfltrd recover- able, µg/L (01022)	Selen- ium, water, unfltrd, µg/L (01147)
Nov 06...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 24...	E.20	<4.0	E.11	<.10	.8	<.010	.36	<.06	E.1.7	.12	E.11	25	<.12
May 18...	--	--	--	--	--	--	--	--	--	--	--	--	--
Aug 18...	.54	<4.0	140	.30	17.8	E.009	.57	<.06	7.3	.24	.57	41	<.12

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**01378400 DWARS KILL AT ANDERSON AVENUE, AT ALPINE, NJ—Continued**

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

## Part 5 of 5

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

Date	Organic carbon, suspend- sediment total, mg/L (00689)	Organic carbon, water, filtrd, mg/L (00681)
Nov 06...	<.12	3.3
Feb 24...	<.12	1.8
May 18...	.17	2.3
Aug 18...	.16	1.6

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 7

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

	2,6-Di-ethyl-aniline	2Chloro-diethyl-aniline	2-Ethyl-6-methyl-aniline	3,4-Dichloro-aniline	3,5-Dichloro-aniline	4-Chloro-2-methyl-phenol	Aceto-chlor,	Ala-chlor,	alpha-Endosulfan,	Atrazine,	Azin-phos-methyl oxon,
Date	0.7µ GF µg/L (49295)	0.7µ GF µg/L (82660)	wat flt water, fltrd	CIAT, water, acet-anilide	methyl-aniline	water, aniline	water, water	water, phenol,	water, water	water, water	water, water
May 18...	<.04	<.006	<.010	E.004	<.010	<.004	<.004	<.005	<.010	<.008	<.006

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

Part 2 of 7

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

## 01378400 DWARS KILL AT ANDERSON AVENUE, AT ALPINE, NJ—Continued

**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, fltrd,  μg/L (62170)	Diazi- non, water, fltrd,  μg/L (39572)	Di- chlor- vos, water, fltrd,  μg/L (38775)	Dicro- tophos, water, fltrd,  μg/L (38454)	Diel- drin, water, fltrd,  μg/L (39381)	Dimeth- oate, water, fltrd 0.7μ GF	Disulf- oton sulfone water, fltrd 0.7μ GF	Disul- foton, water, fltrd μg/L	Endo- sulfan sulfate water, fltrd 0.7μ GF	EPTC, water, fltrd μg/L	Ethion monoxon water, fltrd μg/L	Ethion, Ethion, water, fltrd μg/L	Etho- prop, water, fltrd μg/L
May 18...	<.012	<.005	<.02	<.08	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.012	<.016

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

Part 4 of 7

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

Date	Fenami- phos sulfone water, fltrd,  μg/L (61645)	Fenami- phos oxide, water, fltrd,  μg/L (61646)	Fenami- phos, water, fltrd,  μg/L (61591)	Fipro- nil sulfide water, fltrd,  μg/L (62167)	Fipro- nil sulfone water, fltrd,  μg/L (62168)	Fipro- nil water, fltrd,  μg/L (62166)	Fonofos water, fltrd,  μg/L (04095)	Hexa- zinone, water, fltrd,  μg/L (04025)	Ipro- dione, water, fltrd,  μg/L (61593)	Isofen- phos, water, fltrd,  μg/L (61594)	lambda- Cyhalo- thrin, water, fltrd,  μg/L (61595)	Mala- xon, water, fltrd,  μg/L (61652)	Mala- thion, water, fltrd,  μg/L (39532)
May 18...	<.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	Meta- laxyl, water, fltrd,  μg/L (61596)	Methid- athion, water, fltrd,  μg/L (61598)	Methyl para- thion, water, fltrd,  μg/L (61664)	Methyl para- oxon, water, fltrd,  μg/L (82667)	Metola- chlor, water, fltrd,  μg/L (39415)	Metri- buzin, water, fltrd,  μg/L (82630)	Moli- nate, water, fltrd 0.7μ GF	Myclo- butanil water, fltrd,  μg/L (82671)	Oxy- fluor- fen, water, fltrd 0.7μ GF	Pendi- meth- alin, water, fltrd 0.7μ GF	Phorate oxon, water, fltrd μg/L	Phorate water, fltrd μg/L	Phosmet water, fltrd μg/L
May 18...	<.007	<.006	<.01	<.008	<.014	<.016	<.002	<.010	<.006	<.012	<.03	<.020	<.05

## 01378400 DWARS KILL AT ANDERSON AVENUE, AT ALPINE, NJ—Continued

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

Part 6 of 7

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

Date	Phosmet	Promo-ton, water, fltrd, μg/L (61601)	Promo-tryn, water, fltrd, μg/L (04037)	Propanil, water, fltrd, 0.7μ GF μg/L (82679)	Propargite, water, fltrd 0.7μ GF μg/L (82685)	Propamide, water, fltrd 0.7μ GF μg/L (82676)	Simsazine, water, fltrd 0.7μ GF μg/L (04035)	Tebuthiuron, water, fltrd 0.7μ GF μg/L (82670)	Tefluthrin, water, fltrd 0.7μ GF μg/L (61606)	Terbufos oxon sulfone μg/L (61674)	Terbu-fos, water, fltrd 0.7μ GF μg/L (82675)	Terbutyl-azine, water, fltrd μg/L (04022)	Thiobencarb water, fltrd μg/L (82681)
May 18...	<.200	<.01	<.006	<.014	<.02	<.004	<.010	<.02	<.010	<.04	<.02	<.01	<.016

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

Part 7 of 7

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

Date	trans- Propri- conazole, water, fltrd, μg/L (79847)	Tri- flur- alin, water, fltrd 0.7μ GF μg/L (61610)
May 18...	<.02	<.035