



Water-Data Report 2007

**01482645 SWEDES RUN AT SWEDES BRIDGE, NEAR PORTERTOWN, NJ**

DELAWARE RIVER BASIN

LOCATION.--Lat 39°35'46", long 75°22'33" referenced to North American Datum of 1983, Mannington Township, Salem County, NJ, Hydrologic Unit 02040206, at bridge on Swedes Bridge Road, 0.2 mi south of Oechsle Road, 0.2 mi downstream from bridge on Hackett Road, 1.6 mi upstream of mouth, and 1.7 mi southwest of Portertown.

DRAINAGE AREA.--3.55 mi<sup>2</sup>.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--November 2006 to August 2007.

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). Cooperative Network Site Descriptor: Statewide Status, NJ Department of Environmental Protection Watershed Management Area 17.

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 2006 TO SEPTEMBER 2007**

Part 1 of 5

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

Date	Time	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorb- ance, 254 nm, wat flt units (50624)	UV absorb- ance, 280 nm, wat flt units (61726)	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)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
<b>Nov</b> 30...	1000	4.7	.153	.119	769	7.4	68	7.0	210	16.0	11.7	84	26.8
<b>Feb</b> 28...	1000	8.5	.081	.060	765	11.9	86	6.9	144	4.5	1.7	49	14.1
<b>May</b> 08...	0930	12	.091	.076	769	7.8	72	7.4	345	12.5	11.3	160	53.6
<b>Aug</b> 29...	1000	8.1	.044	.033	766	3.7	39	7.6	475	20.0	17.7	230	78.7

## 01482645 SWEDES RUN AT SWEDES BRIDGE, NEAR PORTERTOWN, NJ—Continued

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

Part 2 of 5

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

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
Nov 30...	4.19	3.56	5.45	52	11.7	.13	17.8	23.6	127	138	5	.58	.261
Feb 28...	3.38	2.57	5.67	21	13.2	.11	12.8	21.9	89	99	4	.90	.104
May 08...	5.99	3.18	5.43	119	11.5	.23	22.1	35.8	212	219	14	.24	.050
Aug 29...	7.84	4.48	4.81	193	11.9	.27	27.9	38.9	291	313	4	.31	.063

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

Part 3 of 5

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

Date	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Particulate nitrogen, susp, water, mg/L (49570)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd, mg/L (00600)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd, mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd, µg/L (01002)
Nov 30...	.58	.10	1.2	1.3	.011	.018	.147	.9	<.1	.9	4.2	--	--
Feb 28...	.64	.13	1.5	1.7	E.009	.020	.069	1.1	.2	.9	3.3	.15	.25
May 08...	.51	.13	.75	.88	E.005	.015	.130	1.0	<.1	1.0	2.4	--	--
Aug 29...	.10	.04	.41	.45	.019	.018	.074	.3	<.1	.3	2.2	.25	.34

01482645 SWEDES RUN AT SWEDES BRIDGE, NEAR PORTERTOWN, NJ—Continued

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

Part 4 of 5

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

Date	Barium, water, unfltrd recover- able, µg/L (01007)	Beryll- ium, water, unfltrd recover- able, µg/L (01012)	Boron, water, fltrd, µg/L (01020)	Boron, water, recover- able, µg/L (01022)	Cadmium water, unfltrd µg/L (01027)	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)	Selen- ium, water, unfltrd µg/L (01147)
Nov 30...	--	--	21	--	--	--	--	--	--	--	--	--	--
Feb 28...	40.2	.10	12	13	.10	E.41	1.6	718	.38	95.2	.015	3.33	E.07
May 08...	--	--	24	--	--	--	--	--	--	--	--	--	--
Aug 29...	44.0	<.06	31	32	<.02	<.60	<1.2	1,000	E.04	111	<.010	.64	<.08

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

Part 5 of 5

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

Date	Silver, water, unfltrd recover- able, µg/L (01077)	Zinc, water, unfltrd recover- able, µg/L (01092)
Nov 30...	--	--
Feb 28...	<.02	18
May 08...	--	--
Aug 29...	<.02	<2.0