



Water-Data Report 2009

**04240145 SPAFFORD CREEK AT BROMLEY RD NR SPAFFORD, NY**

Oswego Basin  
Seneca Subbasin

LOCATION.--Lat 42°47'15", long 76°11'49" referenced to North American Datum of 1927, Onondaga County, NY, Hydrologic Unit 04140201, on right bank just upstream from culvert on Bromley Road, 0.4 mi west of the intersection with Otisco Valley Road, 3.6 mi southeast of Spafford, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--3.14 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Continuous record--November 1981 to September 1983, miscellaneous measurements--2008 to current year.

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

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>	<b>Gage height, in ft</b>
Oct 16, 2008	9.57	0.85

04240145 SPAFFORD CREEK AT BROMLEY RD NR SPAFFORD NY—Continued

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--September 1981 to October 1983, July 2008 to December 2008 (discontinued).

NUTRIENT DATA: Water years 1982-83 (e), 2008-09 (b).

SEDIMENT DATA: Water years 1982-83 (e), 2008-09 (b).

CHEMICAL DATA: Water years 1982-83 (e), 2008-09 (b).

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: November 1981 to September 1983 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--

SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean 370 mg/L Apr. 24, 26, 1983; minimum daily mean, 1 mg/L July 25-27, Sept. 25, 26, 1982.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily 32 tons Apr. 26, 1983; minimum daily, 0.00 tons July 25-27, Sept. 25, 26, 1982.

**WATER-QUALITY DATA**

**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2

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

Date	Time	Instan- taneous dis- charge, ft <sup>3</sup> /s (00061)	Specif- ic conduc- tance, wat unf lab, μS/cm @ 25 degC (90095)	Temper- ature, deg C (00010)	Ammonia		Nitrate		Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)	
					+ org-N, water, fltrd, mg/L as N (00623)	+ org-N, water, unfltrd mg/L as N (00625)	+ Ammonia water, fltrd, mg/L as N (00608)	+ nitrite water fltrd, mg/L as N (00631)					Nitrite water, fltrd, mg/L as N (00613)
<b>Jul</b>													
21...	1300	5.5	523	19.3	.1	.2	<.02	.949	E.002	.008	.007	.014	17
<b>Aug</b>													
15...	0725	2.5	519	14.2	E.1	E.1	<.02	1.02	.002	.007	E.004	.019	35
<b>Sep</b>													
11...	0720	1.9	552	10.7	E.1	E.1	<.02	1.12	.002	E.003	E.004	.009	28

**WATER-QUALITY DATA**

**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 2

[Remark codes: <, less than; E, estimated; --, no data.]

Date	Time	Instan- taneous dis- charge, ft <sup>3</sup> /s (00061)	Specif- ic conduc- tance, wat unf lab, μS/cm @ 25 degC (00095)	Temper- ature, deg C (00010)	Ammonia		Nitrate		Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)	
					+ org-N, water, fltrd, mg/L as N (00623)	+ org-N, water, unfltrd mg/L as N (00625)	+ Ammonia water, fltrd, mg/L as N (00608)	+ nitrite water fltrd, mg/L as N (00631)					Nitrite water, fltrd, mg/L as N (00613)
<b>Oct</b>													
16...	0845	9.6	427	12.1	.3	1.4	<.02	.504	.004	E.005	.010	.307	390
<b>Dec</b>													
10...	0850	--	267	2.7	.2	1.5	<.02	.575	.003	<.008	.009	.376	433
10...	1615	14	297	2.5	.2	.3	<.02	.663	.003	E.005	.007	.035	27