



Water-Data Report 2008

**01063310 STONY BROOK AT EAST SEBAGO, ME**

Saco Basin  
Presumpscot Subbasin

LOCATION.--Lat 43°51'20", long 70°38'23" referenced to North American Datum of 1983, Cumberland County, ME, Hydrologic Unit 01060001, on left bank at upstream side of culvert under State Route 11/114, 0.1 mile upstream from the Northwest River, and 0.6 mile upstream from mouth of Northwest River at Sebago Lake.

DRAINAGE AREA.--0.81 mi<sup>2</sup>, furnished by Maine Department of Transportation.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: October 1995 to current year.

REVISED RECORDS.--WDR ME-99-1: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, and V-notch sharp-crested weir. Datum of gage is 275.35 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for flows between 1.0 ft<sup>3</sup>/s and 0.10 ft<sup>3</sup>/s, period of ice effect, Jan. 1 to Mar. 9, periods of doubtful stage-discharge relation, Oct. 19-21, Nov. 6, June 24, 29-30, Aug. 2-3, and period of doubtful gage-height record, Oct. 27-31, Jan. 1-23, Feb. 19 to Mar. 5, which are fair, and flows below 0.10 ft<sup>3</sup>/s, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130 ft<sup>3</sup>/s, Sept. 17, 1999, gage height, 7.86 ft; minimum discharge, 0.01 ft<sup>3</sup>/s, Sept. 18-19, 2001, and Aug. 19, 21, 27-28, and Sept. 10, 12-13, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 19 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Apr 29	1715	24	5.41
Sept 7	0945	*27	*5.53

Minimum discharge, 0.03 ft<sup>3</sup>/s, Oct. 5, gage height, 3.50 ft.

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01063310 STONY BROOK AT EAST SEBAGO, ME—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**  
**DAILY MEAN VALUES**  
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.05	0.35	1.2	e1.7	e1.4	e1.7	3.6	7.4	0.71	2.5	0.67	0.33
2	0.04	0.31	0.90	e1.4	e1.8	e1.7	6.3	5.6	0.59	1.6	e0.71	0.29
3	0.04	0.52	0.84	e1.2	e2.1	e1.6	6.3	4.9	0.53	1.1	e1.9	0.27
4	0.04	2.1	0.92	e0.99	e1.8	e1.7	7.3	5.7	0.59	0.83	3.9	0.25
5	0.03	1.1	0.90	e0.97	e1.7	e2.8	9.1	5.4	0.79	0.64	2.4	0.23
6	0.04	e1.7	0.79	e1.0	e1.7	e2.4	8.6	4.4	0.79	0.53	3.7	0.67
7	0.05	2.2	0.70	e1.0	e2.0	e2.3	7.8	3.7	0.79	0.45	7.7	19
8	0.05	1.4	0.73	e1.2	e1.8	e4.2	9.2	3.3	0.63	0.37	9.5	7.1
9	0.05	1.1	0.70	e2.3	e1.6	e8.4	9.5	2.9	0.51	0.41	7.2	5.0
10	0.05	0.89	0.69	e3.3	e1.5	7.2	12	2.6	0.44	0.80	4.4	4.5
11	0.05	0.75	0.64	e3.5	e1.5	5.9	13	2.4	0.56	0.49	3.7	2.8
12	1.4	0.64	0.65	e4.2	e1.3	5.1	15	2.2	0.42	0.38	3.1	2.2
13	1.5	0.59	0.59	e3.2	e1.7	4.1	14	2.1	0.32	0.31	2.6	2.1
14	0.62	0.55	0.57	e2.7	e3.1	3.6	9.8	1.9	0.28	0.28	2.2	2.0
15	0.43	0.59	0.58	e2.7	e3.2	3.5	9.1	1.8	0.54	0.25	1.9	2.0
16	0.35	1.6	0.51	e2.3	e2.8	3.3	9.0	1.7	0.67	0.21	1.6	1.6
17	0.28	1.5	0.49	e2.0	e2.3	3.1	9.3	1.6	0.62	0.18	1.6	1.4
18	0.24	1.1	0.55	e2.2	e4.0	3.0	9.3	1.5	0.59	0.43	1.4	1.2
19	e0.21	0.84	0.56	e2.5	e5.5	3.0	8.9	1.4	0.48	1.0	1.4	1.0
20	e0.63	0.76	0.55	e2.2	e4.7	6.6	7.8	1.3	0.64	0.72	1.3	0.95
21	e0.45	0.72	0.55	e1.7	e4.0	5.9	6.8	1.3	0.84	0.98	1.1	0.90
22	0.34	0.82	0.54	e1.5	e3.0	4.7	6.0	1.2	1.3	1.1	0.90	0.84
23	0.27	0.81	0.57	e1.5	e2.6	4.0	5.2	1.1	2.0	0.85	0.80	0.76
24	0.24	0.64	1.6	e1.5	e2.3	3.6	4.5	1.1	e1.8	3.7	0.72	0.72
25	0.22	0.57	1.7	e1.3	e2.1	3.3	3.8	0.96	1.9	7.1	0.66	0.68
26	0.19	0.60	1.4	e1.3	e1.9	3.5	3.3	0.87	1.3	3.4	0.59	0.98
27	e0.62	3.4	1.2	e1.3	e2.0	4.3	3.1	0.81	0.94	2.1	0.51	8.8
28	e1.3	2.4	1.1	e1.3	e2.1	4.3	3.6	0.73	0.76	1.5	0.46	14
29	e0.67	1.7	1.7	e1.3	e1.9	3.7	19	0.66	e3.1	1.1	0.42	9.8
30	e0.49	1.4	2.0	e1.4	---	3.3	14	0.60	e4.5	0.82	0.41	5.6
31	e0.40	---	1.7	e1.6	---	3.4	---	0.66	---	0.68	0.38	---
<b>Total</b>	11.34	33.65	28.12	58.26	69.4	119.2	254.2	73.79	29.93	36.81	69.83	97.97
<b>Mean</b>	0.37	1.12	0.91	1.88	2.39	3.85	8.47	2.38	1.00	1.19	2.25	3.27
<b>Max</b>	1.5	3.4	2.0	4.2	5.5	8.4	19	7.4	4.5	7.1	9.5	19
<b>Min</b>	0.03	0.31	0.49	0.97	1.3	1.6	3.1	0.60	0.28	0.18	0.38	0.23
<b>Cfsm</b>	0.45	1.38	1.12	2.32	2.95	4.75	10.5	2.94	1.23	1.47	2.78	4.03
<b>In.</b>	0.52	1.55	1.29	2.68	3.19	5.47	11.67	3.39	1.37	1.69	3.21	4.50

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2008, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	1.73	2.00	2.10	1.69	1.51	3.36	5.70	2.71	1.86	0.77	0.53	0.81
<b>Max</b>	6.03	4.91	6.07	3.94	2.99	8.23	11.0	5.83	6.18	2.11	2.25	4.51
(WY)	(2006)	(2006)	(2004)	(2006)	(2006)	(1999)	(2005)	(2005)	(1998)	(2006)	(2008)	(1999)
<b>Min</b>	0.05	0.13	0.20	0.18	0.48	1.42	1.98	1.11	0.33	0.20	0.04	0.04
(WY)	(2002)	(2002)	(2002)	(2002)	(2004)	(2001)	(2006)	(2001)	(1999)	(1999)	(2002)	(2001)

**SUMMARY STATISTICS**

	<b>Calendar Year 2007</b>	<b>Water Year 2008</b>	<b>Water Years 1996 - 2008</b>	
<b>Annual total</b>	630.62	882.50		
<b>Annual mean</b>	1.73	2.41	2.06	
<b>Highest annual mean</b>			3.22	2006
<b>Lowest annual mean</b>			0.85	2002
<b>Highest daily mean</b>	67	Apr 16	19	Apr 29
<b>Lowest daily mean</b>	0.02	Sep 5	0.03	Oct 5
<b>Annual seven-day minimum</b>	0.03	Sep 2	0.04	Oct 1
<b>Maximum peak flow</b>			27	Sep 7
<b>Maximum peak stage</b>			5.53	Sep 7
<b>Instantaneous low flow</b>			0.03	Oct 5
<b>Annual runoff (cfsm)</b>	2.13	2.98	2.55	
<b>Annual runoff (inches)</b>	28.96	40.53	34.59	
<b>10 percent exceeds</b>	4.0	5.9	4.9	
<b>50 percent exceeds</b>	0.72	1.4	1.1	
<b>90 percent exceeds</b>	0.05	0.38	0.15	

