



Water-Data Report 2007

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 mi², 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 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 ft³/s and 0.10 ft³/s, periods of ice effect, Jan. 27 to Mar. 14, Mar. 16, periods of doubtful stage-discharge relation, May 7, 26, June 1, and periods of no gage-height record, Jan. 27, Jan. 29 to Feb. 1, Feb. 6-15, and Mar. 7-9, which are fair, and flows below 0.10 ft³/s, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130 ft³/s, Sept. 17, 1999, gage height, 7.86 ft; minimum discharge, 0.01 ft³/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 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 29	0100	22	5.31
Apr 16	1300	*125	*7.75

Minimum discharge, 0.02 ft³/s, Sept. 3, gage height, 3.47 ft.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.26	3.7	3.2	2.1	e0.93	e0.62	4.9	4.8	e0.93	0.22	0.11	0.04
2	0.25	3.7	5.9	2.5	e0.91	e0.66	5.6	4.4	0.86	0.20	0.10	0.03
3	0.22	3.5	4.1	2.2	e0.96	e0.67	6.1	3.3	0.88	0.20	0.09	0.03
4	0.21	2.9	3.2	2.0	e0.95	e0.71	5.1	2.8	3.5	0.19	0.08	0.03
5	0.28	2.5	2.7	2.0	e0.92	e0.68	4.0	3.0	7.5	0.22	0.07	0.02
6	0.22	2.3	2.3	3.2	e0.89	e0.67	4.1	2.3	4.4	0.22	0.10	0.02
7	0.20	2.1	2.3	3.5	e0.86	e0.65	4.5	e2.1	2.9	0.23	0.12	0.03
8	0.18	2.4	2.3	5.5	e0.84	e0.64	3.9	2.0	2.1	0.22	0.23	0.02
9	0.17	9.9	2.0	6.5	e0.82	e0.62	3.6	1.8	1.8	0.41	0.24	0.06
10	0.17	6.9	1.9	4.1	e0.80	e0.60	3.6	1.7	1.6	0.62	0.16	0.08
11	0.16	4.7	1.9	2.9	e0.78	e0.80	3.5	1.7	1.4	0.41	0.12	0.14
12	6.3	4.5	1.8	2.6	e0.76	e0.90	3.8	1.6	1.2	0.43	0.10	0.20
13	4.0	7.1	1.8	2.5	e0.75	e0.97	4.0	1.4	1.0	0.30	0.09	0.14
14	2.3	11	2.1	2.3	e0.73	e1.6	5.7	1.3	0.95	0.22	0.08	0.11
15	1.6	8.9	1.9	2.2	e0.72	2.5	6.8	1.3	0.84	0.35	0.07	0.12
16	1.2	6.4	1.8	2.1	e0.70	e2.3	67	2.2	0.73	0.61	0.07	0.12
17	1.0	13	1.7	1.8	e0.71	2.0	38	2.8	0.65	0.34	0.07	0.10
18	2.5	9.0	1.6	1.5	e0.72	2.1	21	2.5	0.58	0.26	0.06	0.08
19	2.3	6.3	1.5	1.6	e0.72	2.0	15	3.4	0.52	0.33	0.06	0.07
20	2.6	5.1	1.4	1.7	e0.71	1.9	11	3.0	0.50	1.8	0.05	0.06
21	5.3	4.3	1.4	1.5	e0.71	1.8	8.7	2.5	0.48	1.3	0.05	0.06
22	3.1	3.7	1.3	1.4	e0.69	2.2	6.6	2.0	0.43	0.70	0.05	0.05
23	2.7	3.4	4.0	1.4	e0.67	3.9	5.8	1.7	0.41	0.50	0.05	0.05
24	2.4	3.2	4.8	1.4	e0.65	4.4	5.2	1.6	0.37	0.42	0.06	0.04
25	1.9	2.9	3.2	1.3	e0.64	4.8	4.6	1.4	0.37	0.33	0.05	0.04
26	1.6	2.7	3.6	1.2	e0.63	5.2	4.0	e1.2	0.41	0.25	0.05	0.04
27	1.3	2.5	3.7	e1.1	e0.62	5.3	3.7	1.1	0.33	0.19	0.04	0.05
28	6.3	2.4	2.8	e1.0	e0.62	5.9	3.9	1.0	0.32	0.17	0.04	0.07
29	15	2.4	2.2	e1.1	---	5.9	5.7	0.89	0.28	0.16	0.04	0.06
30	6.6	2.3	1.9	e1.0	---	5.3	5.6	0.79	0.24	0.14	0.03	0.05
31	4.5	---	1.8	e0.99	---	5.1	---	0.81	---	0.13	0.04	---
Total	76.82	145.7	78.1	68.19	21.41	73.39	275.0	64.39	38.48	12.07	2.57	2.01
Mean	2.48	4.86	2.52	2.20	0.76	2.37	9.17	2.08	1.28	0.39	0.08	0.07
Max	15	13	5.9	6.5	0.96	5.9	67	4.8	7.5	1.8	0.24	0.20
Min	0.16	2.1	1.3	0.99	0.62	0.60	3.5	0.79	0.24	0.13	0.03	0.02
Cfsm	3.06	6.00	3.11	2.72	0.94	2.92	11.3	2.56	1.58	0.48	0.10	0.08
In.	3.53	6.69	3.59	3.13	0.98	3.37	12.63	2.96	1.77	0.55	0.12	0.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.84	2.07	2.20	1.67	1.43	3.32	5.47	2.73	1.93	0.73	0.38	0.61
Max	6.03	4.91	6.07	3.94	2.99	8.23	11.0	5.83	6.18	2.11	0.99	4.51
(WY)	(2006)	(2006)	(2004)	(2006)	(2006)	(1999)	(2005)	(2005)	(1998)	(2006)	(2003)	(1999)
Min	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)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1996 - 2007	
Annual total	1,040.33		858.13			
Annual mean	2.85		2.35		2.03	
Highest annual mean					3.22	2006
Lowest annual mean					0.85	2002
Highest daily mean	17	May 14	67	Apr 16	67	Apr 16, 2007
Lowest daily mean	0.07	Sep 18	0.02	Sep 5	0.01	Sep 12, 2001
Annual seven-day minimum	0.18	Sep 14	0.03	Sep 2	0.01	Sep 12, 2001
Maximum peak flow			125	Apr 16	130	Sep 17, 1999
Maximum peak stage			7.75	Apr 16	7.86	Sep 17, 1999
Instantaneous low flow			0.02	Sep 3	0.01	Sep 18, 2001
Annual runoff (cfsm)	3.52		2.90		2.51	
Annual runoff (inches)	47.78		39.41		34.10	
10 percent exceeds	6.4		5.2		4.8	
50 percent exceeds	2.0		1.3		1.1	
90 percent exceeds	0.33		0.07		0.14	

