

Water-Data Report 2007

01022260 PLEASANT RIVER NEAR EPPING, ME

Maine Coastal Basin
Maine Coastal Subbasin

LOCATION.--Lat 44°41'52", long 67°47'14" referenced to North American Datum of 1983, Washington County, ME, Hydrologic Unit 01050002, on right bank at Saco Falls, 100 ft upstream from East Base Road bridge in Columbia, 0.6 mi upstream from North Branch Pleasant River, and 1.6 mi northeast of the village of Epping.

DRAINAGE AREA.--60.6 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: July 1980 to September 1991. October 2000 to May 2007 (discontinued), June 2007 to September 2007.

GAGE.--Water-stage recorder. Datum of gage is 127.02 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 29 to Jan. 2, Jan. 14 to Mar. 24, and period of no gage-height record, Jan. 17-31, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,450 ft³/s, Apr. 18, 2007, gage height, 10.82 ft; maximum gage height, 11.64 ft, Jan. 16, 2004 (backwater from ice); minimum discharge, 10 ft³/s, Dec. 2, 2002, gage height, 4.72 ft, result of freezeup.

EXTREMES FOR CURRENT PERIOD (Oct. 1, 2006 to May 8, 2007 and June 19, 2007 to Sept. 30, 2007).--Maximum discharge, 1,450 ft³/s, Apr. 18, gage height, 10.82 ft; minimum discharge, 19 ft³/s, Sept. 7-8, gage height, 4.96 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	48	510	162	e152	e80	e69	231	317	---	51	36	23
2	53	408	204	e189	e78	e70	210	333	---	47	33	23
3	75	321	235	211	e82	e81	197	322	---	41	31	22
4	71	251	239	202	e82	e93	191	285	---	39	35	21
5	67	203	215	186	e79	e91	189	249	---	41	40	21
6	63	170	179	187	e76	e84	193	222	---	63	35	20
7	58	156	180	216	e73	e78	204	203	---	92	36	20
8	53	153	176	247	e70	e74	197	185	---	125	40	19
9	50	249	152	286	e67	e71	189	---	---	114	68	20
10	47	325	164	314	e64	e69	196	---	---	100	57	26
11	43	385	147	273	e62	e121	199	---	---	87	43	33
12	51	402	137	257	e61	e186	204	---	---	83	37	59
13	81	379	126	229	e60	e221	220	---	---	83	34	64
14	78	445	153	e175	e63	e254	254	---	---	74	41	45
15	69	615	166	e160	e87	e267	280	---	---	65	41	33
16	62	861	161	e148	e115	e287	334	---	---	64	35	36
17	56	754	153	e139	e112	e327	715	---	---	59	36	35
18	73	678	141	e132	e100	e680	1,400	---	---	52	37	30
19	135	634	132	e168	e96	e976	1,240	---	65	52	33	27
20	136	578	122	e206	e91	e840	962	---	61	67	30	26
21	205	509	114	e197	e87	e595	778	---	61	130	27	24
22	245	435	109	e172	e84	e524	658	---	67	133	26	24
23	244	368	133	e153	e81	e495	582	---	117	99	25	24
24	219	311	243	e138	e78	e473	527	---	114	79	25	23
25	206	265	290	e125	e76	449	472	---	88	68	28	23
26	182	232	293	e114	e73	409	419	---	71	60	29	21
27	150	206	263	e105	e71	362	368	---	62	53	27	21
28	139	190	231	e98	e70	336	328	---	68	48	25	31
29	340	176	e195	e92	---	317	302	---	64	45	24	57
30	449	164	e171	e87	---	290	298	---	54	43	23	47
31	578	---	e160	e83	---	259	---	---	---	40	22	---
Total	4,326	11,333	5,546	5,441	2,218	9,448	12,537	---	---	2,197	1,059	898
Mean	140	378	179	176	79.2	305	418	---	---	70.9	34.2	29.9
Max	578	861	293	314	115	976	1,400	---	---	133	68	64
Min	43	153	109	83	60	69	189	---	---	39	22	19
Cfsm	2.30	6.23	2.95	2.90	1.31	5.03	6.90	---	---	1.17	0.56	0.49
In.	2.66	6.96	3.40	3.34	1.36	5.80	7.70	---	---	1.35	0.65	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	97.3	170	183	117	143	202	310	199	134	67.6	61.2	54.5
Max	406	378	338	334	352	337	500	489	405	153	144	140
(WY)	(2006)	(2007)	(2006)	(2006)	(1981)	(2005)	(2005)	(2005)	(2006)	(2006)	(1986)	(1981)
Min	18.6	22.9	41.9	42.0	70.3	97.2	129	116	49.1	24.5	14.9	17.8
(WY)	(2002)	(2002)	(2002)	(2002)	(2001)	(2006)	(1985)	(2001)	(1988)	(2001)	(2001)	(2001)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Years 1980 - 2007	
Annual total	72,488			
Annual mean	199		143	
Highest annual mean			229	2006
Lowest annual mean			83.9	2001
Highest daily mean	1,000	Jun 12	1,400	Apr 18, 2007
Lowest daily mean	38	Sep 3	12	Sep 14, 2001
Annual seven-day minimum	48	Sep 26	12	Sep 14, 2001
Maximum peak flow			1,450	Apr 18, 2007
Maximum peak stage			11.64	Jan 16, 2004
Instantaneous low flow			10	Dec 2, 2002
Annual runoff (cfs)	3.28		2.36	
Annual runoff (inches)	44.50		32.03	
10 percent exceeds	420		310	
50 percent exceeds	152		95	
90 percent exceeds	58		34	

