



Water-Data Report 2007

01031300 PISCATAQUIS RIVER AT BLANCHARD, ME

Penobscot Basin
Piscataquis Subbasin

LOCATION.--Lat 45°16'02", long 69°35'02" referenced to North American Datum of 1983, Piscataquis County, ME, Hydrologic Unit 01020004, on left bank at downstream side of bridge in the Town of Blanchard, and 1.0 mi downstream of the confluence of the East and West Branches of the Piscataquis River.

DRAINAGE AREA.--118 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: October 1996 to current year.

REVISED RECORDS.--WDR ME-98-1: 1997(M)

GAGE.--Water-stage recorder. Datum of gage is 564.09 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for period of ice effect, Dec. 30 to Apr. 19, and period of no gage-height record, Jan. 6-22, which are poor. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 451603069350101).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,550 ft³/s, Apr. 9, 2000, gage height 11.38; minimum discharge, 2.9 ft³/s, Sept. 10-11, 2002, gage height 3.13 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 21	0530	2,880	8.42
Oct 29	0045	*6,500	*10.50
Nov 17	1230	3,370	8.77
Apr 24	1815	3,920	9.13

Minimum discharge, 7.5 ft³/s, Sept. 25-27, gage height, 3.41 ft.

01031300 PISCATAQUIS RIVER AT BLANCHARD, ME—Continued

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	67	707	289	e220	e49	e33	e263	1,620	155	26	22	23
2	69	563	452	e214	e47	e33	e247	1,520	138	24	19	19
3	67	485	361	e198	e46	e39	e211	1,310	124	22	16	16
4	60	401	278	e179	e48	e41	e187	1,140	144	20	16	14
5	56	337	215	e147	e45	e38	e169	1,030	516	22	17	12
6	50	300	179	e297	e42	e36	e162	908	412	24	24	11
7	43	277	184	e391	e40	e33	e145	802	265	24	39	11
8	39	265	164	e306	e37	e32	e135	779	187	22	81	10
9	36	521	156	e241	e35	e31	e126	785	153	21	125	9.8
10	33	576	159	e186	e34	e30	e118	722	153	24	99	12
11	31	431	148	e155	e33	e30	e111	633	129	24	68	12
12	504	353	139	e138	e33	e31	e109	669	110	29	49	16
13	619	396	140	e126	e32	e33	e114	522	94	31	45	14
14	396	803	142	e118	e31	e38	e123	397	82	26	35	12
15	260	1,010	148	e112	e35	e92	e128	344	72	26	27	12
16	191	731	154	e106	e55	e235	e202	556	64	53	23	12
17	152	2,460	159	e101	e52	e199	e577	1,050	56	53	23	11
18	281	1,880	155	e97	e45	e275	e769	808	49	40	28	11
19	354	1,090	143	e95	e43	e188	e1,080	711	42	48	26	11
20	540	723	121	e92	e41	e140	1,310	622	39	108	21	10
21	2,310	530	133	e87	e40	e113	1,590	651	40	112	19	9.9
22	1,210	423	122	e83	e38	e102	1,840	524	36	77	17	9.6
23	785	363	191	e78	e37	e170	2,320	404	33	53	15	9.4
24	720	319	314	e74	e36	e310	3,470	329	29	39	18	8.5
25	570	282	279	e70	e35	e265	2,900	275	25	32	25	8.0
26	448	251	237	e67	e34	e201	1,930	228	25	25	28	7.7
27	362	233	209	e63	e34	e209	1,650	193	25	20	23	7.9
28	1,180	221	158	e60	e33	e424	1,530	233	39	20	19	12
29	3,970	212	117	e57	---	e452	1,470	224	42	39	16	12
30	1,750	211	e119	e54	---	e352	1,550	190	31	29	17	10
31	1,010	---	e140	e51	---	e301	---	175	---	28	21	---
Total	18,163	17,354	5,905	4,263	1,110	4,506	26,536	20,354	3,309	1,141	1,021	353.8
Mean	586	578	190	138	39.6	145	885	657	110	36.8	32.9	11.8
Max	3,970	2,460	452	391	55	452	3,470	1,620	516	112	125	23
Min	31	211	117	51	31	30	109	175	25	20	15	7.7
Cfsm	4.97	4.90	1.61	1.17	0.34	1.23	7.50	5.56	0.93	0.31	0.28	0.10
In.	5.73	5.47	1.86	1.34	0.35	1.42	8.37	6.42	1.04	0.36	0.32	0.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	268	297	268	137	89.9	239	841	388	205	78.7	48.4	85.9
Max	956	662	651	452	227	585	1,603	689	543	199	130	383
(WY)	(2006)	(2006)	(2004)	(2006)	(2006)	(1998)	(2005)	(1997)	(1998)	(1998)	(2006)	(1999)
Min	17.8	21.3	56.9	37.6	26.1	45.1	419	133	62.8	27.2	7.79	8.36
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(2001)	(2006)	(1999)	(2000)	(2000)	(2001)	(2002)

01031300 PISCATAQUIS RIVER AT BLANCHARD, ME—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1997 - 2007	
Annual total	117,408		104,015.8			
Annual mean	322		285		245	
Highest annual mean					380	2006
Lowest annual mean					132	2002
Highest daily mean	3,970	Oct 29	3,970	Oct 29	5,440	Apr 25, 2005
Lowest daily mean	21	Sep 19	7.7	Sep 26	3.0	Sep 10, 2002
Annual seven-day minimum	25	Sep 13	8.7	Sep 21	3.4	Sep 5, 2002
Maximum peak flow			6,500	Oct 29	7,550	Apr 9, 2000
Maximum peak stage			10.50	Oct 29	11.38	Apr 9, 2000
Instantaneous low flow			7.5	Sep 25	2.9	Sep 10, 2002
Annual runoff (cfsm)	2.73		2.42		2.08	
Annual runoff (inches)	37.01		32.79		28.27	
10 percent exceeds	711		746		632	
50 percent exceeds	209		112		96	
90 percent exceeds	51		19		19	

