



Water-Data Report 2007

## 01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME

Penobscot Basin  
Piscataquis Subbasin

LOCATION.--Lat 45°10'30", long 69°18'53" referenced to North American Datum of 1983, Piscataquis County, ME, Hydrologic Unit 01020004, on left bank 30 ft downstream from Lows Bridge, 1.0 mi upstream from Black Stream, and 4.7 mi upstream from Dover-Foxcroft.

DRAINAGE AREA.--298 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: August 1902 to current year. Daily gage height and monthly discharge only for August to September 1902.

REVISED RECORDS.--WSP 279: 1902. WSP 1201: 1903-17, 1918-30(M), 1934-35. WSP 1301: 1909(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 358.47 ft above National Geodetic Vertical Datum of 1929. Prior to July 20, 1930, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 5-13, 20-22, Dec. 29 to Jan. 5, and Jan. 9 to Apr. 17, which are poor. Low flow may be regulated by operation of mills above station. Telephone and satellite telemeters at station. Gage is operated in conjunction with a co-located precipitation gage (station 451031069185301).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,300 ft<sup>3</sup>/s, Apr. 1, 1987, gage height, 22.62 ft, from rating curve extended above 20,000 ft<sup>3</sup>/s on basis of slope-area measurement; minimum discharge, 5.0 ft<sup>3</sup>/s, Aug. 6, 1905, Nov. 22, 1908.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Oct 21	1200	7,010	8.80
Oct 29	0830	*13,000	*12.39
Nov 15	0115	4,670	7.06
Nov 17	2000	9,380	10.31
Apr 25	0100	8,420	9.71
May 1	0000	4,670	7.06

Minimum discharge, 16 ft<sup>3</sup>/s, Sept. 24, gage height, 1.46 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	335	1,740	623	e280	e151	e88	e646	4,210	302	73	51	52
2	257	1,360	1,440	e305	e145	e91	e723	3,380	270	67	44	49
3	240	1,200	1,110	e297	e144	e95	e639	2,720	242	64	39	44
4	199	972	807	e265	e147	e103	e597	2,230	247	60	36	39
5	171	812	e601	e261	e140	e115	e555	1,940	1,340	57	32	34
6	152	724	e497	451	e130	e101	e514	1,630	1,070	58	32	30
7	131	668	e463	1,130	e121	e92	e472	1,380	650	65	40	27
8	117	630	e427	852	e114	e85	e430	1,240	449	62	72	26
9	108	1,100	e395	e659	e109	e83	e404	1,190	346	57	201	25
10	100	1,400	e369	e523	e105	e81	e385	1,090	324	54	165	26
11	93	991	e352	e430	e104	e104	e370	962	285	54	118	28
12	1,470	801	e332	e384	e103	e136	e404	977	243	63	87	34
13	2,400	925	e317	e355	e102	e148	e408	842	212	69	75	37
14	1,190	2,360	429	e330	e109	e160	e512	667	188	66	66	36
15	772	3,790	458	e310	e119	e223	e598	580	167	57	56	34
16	569	2,250	455	e294	e115	e315	e975	877	151	56	48	31
17	449	5,690	441	e280	e119	e476	e3,280	2,170	137	80	45	28
18	612	5,970	412	e270	e129	e455	3,970	1,640	121	73	45	26
19	951	2,990	375	e264	e134	e394	4,380	1,710	109	70	44	25
20	1,030	1,860	e276	e255	e125	e319	4,610	1,460	99	108	42	24
21	5,590	1,320	e253	e243	e110	e249	4,970	1,440	98	196	39	23
22	3,330	1,030	e249	e232	e100	e208	5,450	1,130	94	150	35	22
23	1,900	872	358	e220	e96	e258	5,770	856	88	102	32	21
24	1,750	776	1,050	e211	e92	e455	7,760	697	81	78	34	18
25	1,350	689	854	e202	e89	e407	6,450	586	74	63	38	25
26	1,030	616	697	e193	e87	e365	4,400	485	71	53	52	35
27	831	568	680	e185	e87	e361	3,780	398	70	46	56	38
28	1,070	535	472	e176	e88	e600	3,410	430	76	42	53	42
29	10,100	508	e442	e169	---	e782	3,590	461	91	51	46	38
30	5,010	515	e384	e162	---	e708	4,310	367	85	84	42	36
31	2,600	---	e324	e156	---	e655	---	334	---	61	45	---
<b>Total</b>	45,907	45,662	16,342	10,344	3,214	8,712	74,762	40,079	7,780	2,239	1,810	953
<b>Mean</b>	1,481	1,522	527	334	115	281	2,492	1,293	259	72.2	58.4	31.8
<b>Max</b>	10,100	5,970	1,440	1,130	151	782	7,760	4,210	1,340	196	201	52
<b>Min</b>	93	508	249	156	87	81	370	334	70	42	32	18
<b>Cfsm</b>	4.97	5.11	1.77	1.12	0.39	0.94	8.36	4.34	0.87	0.24	0.20	0.11
<b>In.</b>	5.73	5.70	2.04	1.29	0.40	1.09	9.33	5.00	0.97	0.28	0.23	0.12

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	429	691	564	316	274	601	2,083	1,247	474	240	171	185
<b>Max</b>	2,654	2,468	2,699	1,441	1,582	3,791	3,995	3,399	1,916	1,378	974	1,461
<b>(WY)</b>	(2006)	(1964)	(1974)	(1996)	(1970)	(1936)	(2005)	(1969)	(1917)	(1996)	(1917)	(1954)
<b>Min</b>	35.2	39.0	47.5	61.5	31.2	105	766	286	68.8	42.9	14.6	16.7
<b>(WY)</b>	(1948)	(1911)	(1979)	(1918)	(1980)	(1967)	(1981)	(1903)	(1921)	(1965)	(2001)	(1948)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1903 - 2007	
<b>Annual total</b>	299,075		257,804			
<b>Annual mean</b>	819		706		606	
<b>Highest annual mean</b>					990	1954
<b>Lowest annual mean</b>					238	1911
<b>Highest daily mean</b>	10,100	Oct 29	10,100	Oct 29	31,700	Apr 1, 1987
<b>Lowest daily mean</b>	58	Sep 19	18	Sep 24	5.0	Aug 6, 1905
<b>Annual seven-day minimum</b>	67	Sep 13	23	Sep 19	9.5	Sep 11, 2001
<b>Maximum peak flow</b>			13,000	Oct 29	37,300	Apr 1, 1987
<b>Maximum peak stage</b>			12.39	Oct 29	22.62	Apr 1, 1987
<b>Instantaneous low flow</b>			16	Sep 24	5.0	Aug 6, 1905
<b>Annual runoff (cfsm)</b>	2.75		2.37		2.03	
<b>Annual runoff (inches)</b>	37.33		32.18		27.63	
<b>10 percent exceeds</b>	1,810		1,720		1,550	
<b>50 percent exceeds</b>	494		258		254	
<b>90 percent exceeds</b>	128		41		54	

