

**01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME**

Penobscot Basin  
Piscataquis Subbasin

LOCATION.--Lat 45°11'04", long 69°27'08" (corrected) referenced to North American Datum of 1983, Piscataquis County, ME, Hydrologic Unit 01020004, on left bank 200 ft upstream from State Route 15/16 highway bridge in Abbot Village, and 0.9 mi upstream from mouth.

DRAINAGE AREA.--95.4 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: July 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 423.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for flows below 30 ft<sup>3</sup>/s, which are fair, and periods of ice effect, Dec. 4-13, 20-22, and Dec. 27 to Apr. 16, which are poor. Low flow may be regulated by operation of Kingsbury Pond Dam above station. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 451105069270801).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,520 ft<sup>3</sup>/s, Oct. 29, 2006, gage height, 13.63 ft; maximum gage height, 18.43 ft, Dec. 20, 2003 (backwater from ice); minimum discharge, 1.1 ft<sup>3</sup>/s, Aug. 20, 2001, gage height 4.48 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Oct 12	1645	1,850	10.50
Oct 21	0530	3,200	11.59
Oct 29	0215	*7,520	*13.63
Nov 14	2015	1,950	10.60
Nov 17	1500	4,880	12.54
Apr 23	2300	3,220	11.60
Apr 30	2015	1,760	10.41

Minimum discharge, 4.6 ft<sup>3</sup>/s, Sept. 24, gage height, 4.83 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	114	526	236	e113	e44	e27	e257	1,340	75	13	16	26
2	91	442	604	e122	e42	e27	e239	976	69	12	12	21
3	84	392	368	e115	e41	e30	e204	773	62	11	9.5	16
4	67	303	e245	e99	e43	e37	e180	628	72	10	8.6	13
5	59	249	e178	e95	e41	e39	e164	531	685	11	7.8	11
6	52	221	e143	e240	e38	e37	e156	434	342	16	8.3	9.1
7	45	201	e150	e532	e35	e33	e142	356	175	17	16	8.0
8	42	189	e140	e277	e33	e32	e131	309	116	15	26	7.5
9	39	471	e133	e220	e31	e30	e122	270	94	13	80	7.3
10	37	458	e124	e177	e30	e29	e114	237	87	12	47	8.6
11	35	291	e116	e147	e30	e31	e107	206	75	14	31	12
12	865	237	e109	e128	e29	e38	e105	191	65	22	23	17
13	808	342	e107	e115	e28	e50	e111	158	59	26	19	20
14	363	1,120	158	e106	e27	e59	e118	132	52	18	16	15
15	237	1,210	161	e99	e29	e103	e162	127	47	14	14	11
16	177	726	155	e93	e42	e365	e469	348	43	15	12	10
17	143	2,810	144	e89	e43	e281	1,540	686	39	20	12	9.4
18	282	1,840	131	e87	e41	e274	1,430	422	35	16	12	8.5
19	345	878	114	e85	e37	e193	1,500	590	32	17	11	7.4
20	475	585	e87	e81	e34	e144	1,550	475	28	38	9.8	6.7
21	2,190	423	e87	e78	e32	e116	1,750	483	29	55	8.3	6.2
22	920	330	e82	e75	e31	e105	1,880	329	27	38	7.0	5.7
23	597	278	177	e70	e30	e180	2,150	238	25	26	6.1	5.1
24	605	248	492	e67	e29	e376	2,760	191	22	19	7.2	13
25	434	209	293	e63	e29	e262	2,000	160	19	16	14	37
26	326	184	228	e60	e28	e218	1,260	128	17	14	26	34
27	259	171	e219	e57	e28	e220	1,120	106	17	12	26	31
28	629	158	e162	e54	e27	e329	1,050	128	18	10	24	30
29	4,070	149	e146	e51	---	e448	1,290	115	18	30	19	27
30	1,310	157	e132	e48	---	e344	1,550	87	17	39	17	24
31	713	---	e122	e46	---	e295	---	82	---	24	22	---
<b>Total</b>	16,413	15,798	5,743	3,689	952	4,752	25,611	11,236	2,461	613	567.6	457.5
<b>Mean</b>	529	527	185	119	34.0	153	854	362	82.0	19.8	18.3	15.2
<b>Max</b>	4,070	2,810	604	532	44	448	2,760	1,340	685	55	80	37
<b>Min</b>	35	149	82	46	27	27	105	82	17	10	6.1	5.1
<b>Cfsm</b>	5.55	5.52	1.94	1.25	0.36	1.61	8.95	3.80	0.86	0.21	0.19	0.16
<b>In.</b>	6.40	6.16	2.24	1.44	0.37	1.85	9.99	4.38	0.96	0.24	0.22	0.18

## 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
<b>Mean</b>	267	265	243	121	97.3	287	707	276	189	58.6	42.4	70.3
<b>Max</b>	946	551	720	422	268	665	1,350	564	535	127	162	295
<b>(WY)</b>	(2006)	(2006)	(2004)	(2006)	(2006)	(1998)	(2005)	(2005)	(1998)	(1998)	(2004)	(1999)
<b>Min</b>	23.5	23.3	47.8	30.6	24.5	69.8	313	115	55.8	15.0	2.54	8.63
<b>(WY)</b>	(2002)	(2002)	(2002)	(2003)	(2003)	(2001)	(2006)	(1999)	(2000)	(2001)	(2001)	(2002)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1997 - 2007	
<b>Annual total</b>	103,740		88,293.1			
<b>Annual mean</b>	284		242		219	
<b>Highest annual mean</b>					338	2006
<b>Lowest annual mean</b>					125	2003
<b>Highest daily mean</b>	4,070	Oct 29	4,070	Oct 29	4,600	Oct 16, 2005
<b>Lowest daily mean</b>	18	Sep 19	5.1	Sep 23	1.2	Aug 19, 2001
<b>Annual seven-day minimum</b>	24	Sep 13	7.0	Sep 17	1.4	Aug 14, 2001
<b>Maximum peak flow</b>			7,520	Oct 29	7,520	Oct 29, 2006
<b>Maximum peak stage</b>			13.63	Oct 29	18.43	Dec 20, 2003
<b>Instantaneous low flow</b>			4.6	Sep 24	1.1	Aug 20, 2001
<b>Annual runoff (cfsm)</b>	2.98		2.54		2.30	
<b>Annual runoff (inches)</b>	40.45		34.43		31.20	
<b>10 percent exceeds</b>	667		600		581	
<b>50 percent exceeds</b>	158		87		76	
<b>90 percent exceeds</b>	44		12		16	

