

Water-Data Report 2007

**01049500 COBBOSSECONTEE STREAM AT GARDINER, ME**

Kennebec Basin  
Lower Kennebec Subbasin

LOCATION.--Lat 44°13'45", long 69°46'41" referenced to North American Datum of 1983, Kennebec County, ME, Hydrologic Unit 01030003, on left bank 300 ft upstream from Winter Street bridge in Gardiner, 0.4 mi upstream from mouth, and 0.8 mi downstream from Gardiner Water District dam.

DRAINAGE AREA.--217 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: June 1890 to September 1964, October 1976 to current year. Only data from 1906 to current year are used in long term statistical analyses. Earlier data do not include leakage.

REVISED RECORDS.--WSP 541: 1916-20. WSP 1201: Drainage area. WSP 1231: 1910-15. WSP 1701: 1956-59. WDR ME-97-1: 1891-1935(M) 1937-64(M) 1979(M).

GAGE.--Water-stage recorder. Datum of gage is 20.00 ft above National Geodetic Vertical Datum of 1929. June 16, 1890, to Sept. 30, 1964, nonrecording gage at site 0.8 mi upstream at different datum.

COOPERATION.--Prior to 1961 records furnished by S.D. Warren Co. Records from 1961 to 1964 furnished by Gardiner Water District.

REMARKS.--Records good, including period of ice effect, Mar. 6, and period of no gage-height record, June 8. Flow regulated by Cobbosseecontee Lake and several other lakes upstream. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,020 ft<sup>3</sup>/s, Mar. 21, 1936, gage height unknown; minimum discharge, leakage only when all gates in dam were closed several days in 1890-1909.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,850 ft<sup>3</sup>/s, Apr. 18, gage height, 8.56 ft; minimum daily discharge, 16 ft<sup>3</sup>/s, Sept. 13-14, and 16-17.

## 01049500 COBBOSSECONTEE STREAM AT GARDINER, 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	167	1,440	739	524	277	169	754	1,680	169	88	32	24
2	186	1,360	912	527	268	144	810	1,590	155	74	31	24
3	209	1,300	972	519	262	133	865	1,510	158	69	31	23
4	248	1,240	952	512	254	123	783	1,400	196	67	30	21
5	307	1,180	885	506	247	122	770	1,140	588	66	28	20
6	329	1,130	810	523	241	e123	687	721	917	63	29	21
7	329	1,080	752	548	233	121	546	538	949	59	27	20
8	329	1,050	568	579	227	119	696	509	e873	57	27	19
9	378	1,110	420	648	213	116	804	457	755	57	27	20
10	431	1,150	426	685	181	110	831	421	565	53	28	19
11	437	1,120	432	728	176	113	855	410	415	41	29	20
12	597	1,090	428	682	178	113	873	380	286	37	30	17
13	788	1,120	346	647	180	119	955	346	173	33	31	16
14	817	1,240	325	581	186	136	1,070	315	157	32	29	16
15	803	1,460	349	542	198	180	1,150	296	159	32	30	17
16	786	1,460	366	533	198	227	1,640	290	155	32	30	16
17	622	1,640	375	518	199	267	2,610	307	151	32	30	16
18	489	1,710	382	499	196	283	2,820	538	148	32	30	18
19	490	1,620	361	484	195	284	2,740	932	147	32	28	18
20	504	1,500	340	397	195	290	2,510	864	146	33	27	18
21	740	1,390	347	341	196	312	2,340	593	143	30	27	18
22	1,020	1,290	352	345	194	349	2,220	395	134	31	27	19
23	983	1,220	397	349	194	456	2,110	356	134	30	28	19
24	983	1,170	555	353	195	611	2,020	335	129	31	28	18
25	959	1,130	684	355	194	806	1,910	291	118	31	28	18
26	922	1,090	664	356	194	799	1,810	261	109	31	28	18
27	884	1,060	656	351	195	950	1,700	240	100	32	27	18
28	1,110	1,020	631	339	192	1,020	1,630	230	97	32	28	19
29	1,820	812	597	321	---	941	1,690	213	96	32	27	18
30	1,700	707	564	305	---	846	1,710	197	94	34	26	18
31	1,550	---	540	291	---	772	---	180	---	30	26	---
<b>Total</b>	21,917	36,889	17,127	14,888	5,858	11,154	43,909	17,935	8,416	1,333	884	566
<b>Mean</b>	707	1,230	552	480	209	360	1,464	579	281	43.0	28.5	18.9
<b>Max</b>	1,820	1,710	972	728	277	1,020	2,820	1,680	949	88	32	24
<b>Min</b>	167	707	325	291	176	110	546	180	94	30	26	16

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	266	291	347	300	306	526	936	467	315	184	164	188
<b>Max</b>	1,039	1,230	1,517	972	975	2,086	2,386	1,331	1,720	810	285	905
<b>(WY)</b>	(1978)	(2007)	(1984)	(2006)	(1996)	(1936)	(1920)	(1989)	(1917)	(1996)	(1906)	(1954)
<b>Min</b>	55.0	41.2	39.7	70.5	97.5	126	119	46.9	36.4	29.5	13.6	18.9
<b>(WY)</b>	(1942)	(2002)	(1942)	(2002)	(1942)	(1980)	(2006)	(1999)	(1999)	(1999)	(1983)	(2007)

01049500 COBBOSSECONTEE STREAM AT GARDINER, ME—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1906 - 2007	
<b>Annual total</b>	200,091		180,876			
<b>Annual mean</b>	548		496		357	
<b>Highest annual mean</b>					723	1984
<b>Lowest annual mean</b>					172	1985
<b>Highest daily mean</b>	2,170	Jun 11	2,820	Apr 18	4,320	Mar 20, 1936
<b>Lowest daily mean</b>	46	Apr 4	16	Sep 13	0.00	Aug 25, 1907
<b>Annual seven-day minimum</b>	54	Apr 3	17	Sep 12	7.9	Aug 26, 1983
<b>Maximum peak flow</b>			2,850	Apr 18	5,020	Mar 21, 1936
<b>Maximum peak stage</b>			8.56	Apr 18		
<b>10 percent exceeds</b>	1,170		1,200		800	
<b>50 percent exceeds</b>	375		321		260	
<b>90 percent exceeds</b>	98		27		53	

