



Water-Data Report 2007

01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME

Maine Coastal Basin
St. George-Sheepsct Subbasin

LOCATION.--Lat 44°13'22", long 69°35'38" referenced to North American Datum of 1983, Lincoln County, ME, Hydrologic Unit 01050003, on left bank 50 ft upstream from State Route 126 highway bridge at North Whitefield, at mouth of Finn Brook, and 0.3 mi east of North Whitefield village.

DRAINAGE AREA.--145 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: October 1938 to current year.

REVISED RECORDS.--WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 101.05 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for period of ice effect, Jan. 11 to Apr. 15, which is poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,350 ft³/s, Apr. 1, 1987, gage height, 13.71 ft; minimum discharge, 5.0 ft³/s, Oct. 24, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 21	0230	1,160	5.04
Oct 28	2330	2,160	6.51
Nov 17	2315	1,610	5.75
Apr 18	1245	*3,760	*8.63

Minimum discharge, 8.7 ft³/s, Sept. 8, gage height, 1.52 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	109	1,160	384	311	e60	e45	e566	727	150	29	20	11
2	119	1,010	546	370	e58	e47	e549	647	160	27	17	11
3	129	896	459	347	e62	e59	e562	583	232	26	16	11
4	114	755	425	326	e68	e63	e535	506	243	25	16	11
5	110	654	402	320	e63	e62	e510	456	425	25	19	10
6	105	577	359	419	e60	e59	e481	410	314	36	21	9.7
7	101	515	358	505	e57	e56	e464	369	261	42	41	9.3
8	92	482	352	529	e55	e55	e436	335	227	32	32	9.2
9	83	636	321	640	e54	e54	e416	307	195	32	31	31
10	78	597	311	553	e53	e53	e406	283	178	36	25	36
11	71	527	299	e435	e52	e64	e399	285	159	35	21	37
12	446	533	290	e357	e51	e77	e399	324	142	32	19	34
13	567	707	280	e301	e51	e69	e399	278	123	30	21	30
14	450	893	332	e262	e52	e67	e483	250	101	27	24	26
15	457	966	323	e223	e58	e192	e653	232	88	25	20	23
16	445	914	309	e194	e61	e166	1,850	258	78	25	17	22
17	410	1,360	297	e167	e56	e178	3,040	377	69	24	18	21
18	406	1,470	285	e149	e51	e238	3,650	359	69	23	22	19
19	408	1,280	271	e132	e49	e252	3,360	575	62	24	19	18
20	457	1,130	238	e119	e48	e262	2,740	507	56	35	17	17
21	1,020	973	210	e108	e47	e265	2,060	479	54	36	14	17
22	759	832	197	e98	e47	e273	1,610	451	52	30	14	16
23	762	721	336	e90	e46	e414	1,330	419	51	26	14	16
24	791	637	477	e84	e46	e549	1,120	385	47	24	13	17
25	712	559	382	e79	e46	e513	938	354	42	22	14	15
26	642	500	394	e76	e45	e513	797	319	39	21	14	14
27	576	456	425	e73	e45	e559	694	278	36	20	14	15
28	869	420	381	e70	e45	e756	634	228	36	18	13	25
29	1,880	393	352	e67	---	e720	767	204	36	18	12	25
30	1,450	376	333	e64	---	e652	779	178	34	17	11	21
31	1,320	---	319	e62	---	e602	---	161	---	25	11	---
Total	15,938	22,929	10,647	7,530	1,486	7,934	32,627	11,524	3,759	847	580	577.2
Mean	514	764	343	243	53.1	256	1,088	372	125	27.3	18.7	19.2
Max	1,880	1,470	546	640	68	756	3,650	727	425	42	41	37
Min	71	376	197	62	45	45	399	161	34	17	11	9.2
Cfsm	3.55	5.27	2.37	1.68	0.37	1.77	7.50	2.56	0.86	0.19	0.13	0.13
In.	4.09	5.88	2.73	1.93	0.38	2.04	8.37	2.96	0.96	0.22	0.15	0.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	109	255	333	239	231	435	740	346	174	75.2	49.1	51.3
Max	1,101	764	1,393	784	922	1,103	1,345	778	774	466	245	708
(WY)	(2006)	(2007)	(1974)	(2006)	(1970)	(1979)	(2005)	(2005)	(1984)	(1973)	(1976)	(1954)
Min	6.75	18.3	31.7	28.5	35.8	87.9	255	101	45.1	18.1	13.0	8.64
(WY)	(1942)	(2002)	(1979)	(1948)	(1948)	(1967)	(1985)	(1999)	(1985)	(1965)	(2001)	(1957)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1939 - 2007	
Annual total	143,842		116,378.2			
Annual mean	394		319		253	
Highest annual mean					463	2006
Lowest annual mean					115	1985
Highest daily mean	2,360	Jan 15	3,650	Apr 18	6,690	Apr 1, 1987
Lowest daily mean	45	Sep 19	9.2	Sep 8	5.1	Oct 24, 1941
Annual seven-day minimum	56	Sep 13	10	Sep 2	5.5	Oct 18, 1941
Maximum peak flow			3,760	Apr 18	7,350	Apr 1, 1987
Maximum peak stage			8.63	Apr 18	13.71	Apr 1, 1987
Instantaneous low flow			8.7	Sep 8	5.0	Oct 24, 1941
Annual runoff (cfsm)	2.72		2.20		1.74	
Annual runoff (inches)	36.90		29.86		23.68	
10 percent exceeds	877		723		632	
50 percent exceeds	297		166		130	
90 percent exceeds	88		18		24	

