



Water-Data Report 2007

01021480 OLD STREAM NEAR WESLEY, ME

Maine Coastal Basin
Maine Coastal Subbasin

LOCATION.--Lat 44°56'13", long 67°44'10" referenced to North American Datum of 1983, Washington County, ME, Hydrologic Unit 01050002, on left bank at upstream side of State Route 9 highway bridge, 0.6 mi upstream from Chain Lakes Stream, and 3.6 mi west of Wesley.

DRAINAGE AREA.--29.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: July 1998 to current year.

REVISED RECORDS.--WDR ME-00-1: 1999(M).

GAGE.--Water-stage recorder. Elevation of gage is 170 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for periods of ice effect, Dec. 6-9, Jan. 16-18, Mar. 7-8, and 18-19, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 949 ft³/s, Dec. 2, 2005, gage height 7.49 ft; minimum discharge, 1.4 ft³/s, Sept. 26, 2007.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 260 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 29	1915	294	5.65
Nov 15	0615	781	7.19
Mar 18	---	469 ^a	---
Apr 18	0715	*822	*7.29

Minimum discharge, 1.4 ft³/s, Sept. 26, gage height, 3.44 ft.

^a Estimated daily discharge

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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	9.2	118	68	50	27	19	93	176	34	8.0	6.6	4.5
2	17	100	96	64	26	19	89	158	33	8.5	6.7	3.9
3	19	87	92	62	27	22	88	132	31	13	6.4	3.6
4	17	75	84	58	26	23	80	110	32	25	9.6	3.4
5	18	65	74	55	25	22	82	96	60	19	7.5	3.2
6	16	60	e64	78	24	22	83	87	61	15	7.1	3.0
7	14	56	e61	115	24	e21	78	78	55	12	7.4	2.9
8	13	57	e59	125	22	e20	73	71	44	9.0	8.4	2.9
9	12	154	e58	159	21	19	70	65	37	7.6	9.5	3.1
10	11	189	57	137	21	18	69	59	32	7.0	6.8	3.9
11	10	154	53	105	20	30	69	55	26	6.7	6.0	4.6
12	15	152	49	86	19	38	72	54	23	7.4	6.1	7.7
13	18	221	46	73	18	43	85	49	21	7.0	6.3	3.8
14	15	493	56	63	20	56	96	45	18	6.3	6.2	2.8
15	14	714	58	58	26	86	96	43	17	6.3	5.8	2.8
16	13	444	61	e55	25	102	147	54	15	6.5	5.4	3.0
17	12	304	58	e52	24	169	559	110	14	6.3	5.2	2.7
18	26	286	54	e50	23	e469	767	133	19	6.2	5.4	2.4
19	37	237	50	64	23	e421	531	199	16	8.3	5.1	2.3
20	39	186	45	79	23	289	383	187	15	19	4.6	2.3
21	107	150	42	69	22	215	314	146	16	19	4.4	2.3
22	92	126	39	67	22	159	266	110	15	15	4.2	2.3
23	72	111	57	59	21	161	230	88	15	13	4.1	2.2
24	65	101	110	53	21	177	214	75	14	12	4.5	2.0
25	54	89	113	47	20	170	183	67	12	9.7	4.5	1.7
26	45	82	107	42	20	150	154	59	11	8.6	4.1	1.6
27	37	77	102	38	20	141	131	51	9.9	7.6	4.1	1.6
28	46	72	85	35	19	139	131	46	9.7	6.9	4.1	5.0
29	280	67	69	33	---	127	128	43	9.3	6.7	3.9	4.2
30	246	63	58	30	---	116	148	39	8.3	6.6	4.4	3.4
31	156	---	52	28	---	104	---	37	---	6.5	5.9	---
Total	1,545.2	5,090	2,077	2,089	629	3,567	5,509	2,722	723.2	315.7	180.3	95.1
Mean	49.8	170	67.0	67.4	22.5	115	184	87.8	24.1	10.2	5.82	3.17
Max	280	714	113	159	27	469	767	199	61	25	9.6	7.7
Min	9.2	56	39	28	18	18	69	37	8.3	6.2	3.9	1.6
Cfsm	1.71	5.83	2.30	2.32	0.77	3.95	6.31	3.02	0.83	0.35	0.20	0.11
In.	1.98	6.51	2.66	2.67	0.80	4.56	7.04	3.48	0.92	0.40	0.23	0.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	42.6	74.6	85.6	59.0	41.8	104	147	78.7	45.1	14.5	11.5	11.5
Max	170	170	164	133	81.6	174	242	182	139	35.4	44.0	40.3
(WY)	(2006)	(2007)	(2004)	(2006)	(1999)	(1999)	(2005)	(2005)	(2006)	(2006)	(2004)	(1999)
Min	3.62	5.14	9.95	9.25	16.3	20.5	54.9	43.3	16.4	7.34	2.15	2.61
(WY)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)	(2006)	(1999)	(1999)	(2001)	(2001)	(2001)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1998 - 2007	
Annual total	26,390.0		24,542.5			
Annual mean	72.3		67.2		59.8	
Highest annual mean					87.9	2006
Lowest annual mean					29.1	2001
Highest daily mean	714	Nov 15	767	Apr 18	803	Dec 2, 2005
Lowest daily mean	6.7	Sep 3	1.6	Sep 26	1.6	Sep 12, 2001
Annual seven-day minimum	8.7	Aug 28	2.0	Sep 21	1.6	Sep 9, 2001
Maximum peak flow			822	Apr 18	949	Dec 2, 2005
Maximum peak stage			7.29	Apr 18	7.49	Dec 2, 2005
Instantaneous low flow			1.4	Sep 26	1.4	Sep 26, 2007
Annual runoff (cfsm)	2.48		2.31		2.05	
Annual runoff (inches)	33.74		31.37		27.92	
10 percent exceeds	154		154		148	
50 percent exceeds	50		38		31	
90 percent exceeds	13		4.5		5.1	

