

01037380 DUCKTRAP RIVER NEAR LINCOLNVILLE, ME

Maine Coastal Basin
Maine Coastal Subbasin

LOCATION.--Lat 44°19'45", long 69°03'39" referenced to North American Datum of 1983, Waldo County, ME, Hydrologic Unit 01050002, on left bank on downstream side of State Route 52 highway bridge at Lincolnville, and 1.3 mi upstream of Black Brook.

DRAINAGE AREA.--14.4 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: June 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 135 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for flows between 10.0 ft³/s and 6 ft³/s, which are fair, flows below 6 ft³/s, periods of ice effect, Dec. 6, Dec. 29-31, Jan. 11 to Mar. 14, Mar. 20-22, and period of doubtful stage-discharge relation, Oct. 14-19, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,210 ft³/s, Apr. 17, 2007, gage height, 5.78 ft; maximum gage height, 5.82 ft, Jan. 15, 1999 (backwater from ice); no flow Aug. 17 to Sept. 24, 2001.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 28	2015	1,020	5.47
Nov 14	1415	526	4.65
Mar 17	1630	1,050	5.52
Apr 17	1845	*1,210	*5.78

Minimum discharge, 0.24 ft³/s, Sept. 4, 7-8, gage height, 1.47 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	4.1	101	40	30	e7.1	e5.5	76	68	12	1.8	0.79	0.53
2	8.8	84	76	53	e6.9	e6.5	78	57	11	1.7	0.61	0.50
3	6.1	68	50	35	e7.1	e9.8	76	48	11	2.0	0.79	0.42
4	4.5	54	44	32	e6.8	e11	70	41	62	1.5	1.9	0.34
5	4.7	44	36	32	e6.5	e9.5	63	35	123	1.8	1.4	0.32
6	4.1	38	e31	49	e6.0	e8.8	59	32	66	7.7	1.4	0.34
7	3.5	34	31	46	e5.6	e8.5	55	27	49	5.7	2.4	0.30
8	3.2	38	28	64	e5.3	e8.2	49	24	39	3.7	2.4	0.28
9	2.9	108	31	67	e5.0	e8.0	47	21	32	3.3	2.8	0.44
10	3.5	82	31	51	e4.8	e7.9	47	19	25	3.3	1.8	0.63
11	2.2	63	30	e42	e4.6	e29	48	20	21	2.8	1.2	1.4
12	113	78	27	e36	e4.4	e51	49	21	17	2.8	0.99	3.1
13	72	96	31	e31	e4.2	e38	56	18	14	2.4	1.4	1.5
14	e50	329	46	e27	e4.1	e56	73	15	13	1.9	2.6	1.1
15	e40	256	36	e24	e6.4	139	74	14	11	1.6	1.7	0.80
16	e32	168	32	e22	e8.9	108	473	25	8.2	1.9	1.4	0.67
17	e26	275	29	e20	e8.5	395	934	42	8.2	1.5	3.0	0.61
18	e41	224	26	e19	e7.8	369	643	50	8.2	1.3	4.9	0.59
19	e38	145	24	e26	e7.2	232	312	99	5.7	2.8	3.9	0.43
20	80	105	21	e22	e6.8	e155	193	70	4.9	5.5	2.1	0.43
21	173	79	20	e18	e6.5	e122	153	57	5.4	4.1	1.4	0.36
22	95	62	18	e16	e6.3	e95	127	47	4.9	2.9	1.0	0.40
23	88	52	58	e15	e6.2	129	108	40	4.5	2.1	0.83	0.46
24	80	44	58	e14	e6.1	125	94	34	4.1	2.0	0.90	0.51
25	63	37	43	e13	e5.9	116	75	29	5.2	1.8	0.97	0.45
26	51	32	46	e11	e5.8	107	62	24	3.2	1.6	0.85	0.62
27	41	29	43	e9.8	e5.7	113	56	20	3.1	1.3	0.83	1.8
28	287	27	36	e10	e5.6	115	63	19	2.8	1.1	0.71	3.5
29	548	25	e31	e9.5	---	102	71	18	2.5	0.98	0.63	2.5
30	257	24	e27	e8.3	---	89	72	15	2.1	0.90	0.56	1.5
31	142	---	e25	e7.5	---	81	---	13	---	0.84	0.53	---
Total	2,364.6	2,801	1,105	860.1	172.1	2,849.7	4,356	1,062	579.0	76.62	48.69	26.83
Mean	76.3	93.4	35.6	27.7	6.15	91.9	145	34.3	19.3	2.47	1.57	0.89
Max	548	329	76	67	8.9	395	934	99	123	7.7	4.9	3.5
Min	2.2	24	18	7.5	4.1	5.5	47	13	2.1	0.84	0.53	0.28
Cfsm	5.30	6.48	2.48	1.93	0.43	6.38	10.1	2.38	1.34	0.17	0.11	0.06
In.	6.11	7.24	2.85	2.22	0.44	7.36	11.25	2.74	1.50	0.20	0.13	0.07

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	34.2	41.3	42.2	34.4	26.7	58.0	82.7	44.3	25.7	8.21	3.03	2.34
Max	163	93.4	89.4	117	63.0	103	180	127	101	37.4	15.8	11.9
(WY)	(2006)	(2007)	(2004)	(1999)	(2006)	(1999)	(2005)	(2005)	(2006)	(2006)	(2004)	(2004)
Min	0.07	0.37	3.21	7.84	5.07	15.5	28.4	11.4	8.32	0.91	0.01	0.07
(WY)	(2002)	(2002)	(2002)	(2002)	(2004)	(2006)	(1999)	(2001)	(2001)	(2001)	(2001)	(2001)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1998 - 2007	
Annual total	17,988.5		16,301.64			
Annual mean	49.3		44.7		33.6	
Highest annual mean					57.2	2006
Lowest annual mean					18.4	2001
Highest daily mean	548	Oct 29	934	Apr 17	934	Apr 17, 2007
Lowest daily mean	2.2	Oct 11	0.28	Sep 8	0.00	Aug 17, 2001
Annual seven-day minimum	3.3	Sep 22	0.35	Sep 3	0.00	Aug 17, 2001
Maximum peak flow			1,210		1,210	Apr 17, 1999
Maximum peak stage			5.78		5.82	Jan 15, 1999
Instantaneous low flow			0.24		0.00	Aug 17, 2001
Annual runoff (cfsm)	3.42		3.10		2.33	
Annual runoff (inches)	46.47		42.11		31.71	
10 percent exceeds	110		103		82	
50 percent exceeds	27		19		14	
90 percent exceeds	4.5		0.98		0.27	

