

Water-Data Report 2007

01021200 DENNYS RIVER AT DENNYSVILLE, ME

Maine Coastal Basin
Maine Coastal Subbasin

LOCATION.--Lat 44°54'05", long 67°14'51" referenced to North American Datum of 1983, Washington County, ME, Hydrologic Unit 01050002, on right bank 100 ft upstream from railroad bridge, 0.9 mi upstream from Cathance Stream, and 1 mi west of Dennysville.

DRAINAGE AREA.--92.9 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: October 1955 to September 1998, May 2001 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 54.78 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, including periods of no gage-height record, Oct. 4-6, 9-10, and period of doubtful stage-discharge relation, Sept. 21-30, except for periods of ice effect, Dec. 13, 20-22, 30, Jan. 12 to Mar. 11, and Mar. 24-27 which are fair. Flow regulated by dam at outlet of Meddybemps Lake, 14 mi upstream, usable capacity about 1.507 billion ft³. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 445404067145201).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,930 ft³/s, Apr. 29, 1973, gage height, 9.35 ft (from rating curve extended above 1,600 ft³/s); minimum daily discharge, 8.6 ft³/s, Sept. 30, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,880 ft³/s, Nov. 14, and Apr. 18, gage height, 6.23 ft; minimum daily discharge, 57 ft³/s, Aug. 11.

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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	79	237	482	134	e94	e99	299	430	65	65	60	69
2	98	195	577	208	e94	e97	289	321	73	65	60	67
3	132	180	546	220	e95	e104	281	261	77	64	59	66
4	e119	151	493	192	e95	e112	270	223	80	62	67	65
5	e118	126	455	174	e94	e108	279	199	148	65	76	65
6	e112	112	416	205	e93	e102	293	197	171	67	76	64
7	100	108	415	306	e92	e76	299	186	138	65	77	64
8	94	111	320	294	e92	e126	288	173	106	63	85	64
9	e90	700	176	417	e91	e105	280	163	89	61	93	65
10	e86	783	152	328	e90	e103	235	155	79	61	73	67
11	82	495	142	195	e89	e125	232	150	74	60	57	69
12	91	330	136	e212	e89	169	240	149	70	61	61	80
13	113	378	e133	e174	e88	177	278	138	66	60	79	72
14	105	1,150	162	e155	e97	204	371	132	63	61	83	67
15	97	1,510	173	e143	e107	329	481	127	69	66	79	68
16	90	1,050	172	e130	e122	379	664	146	74	68	78	70
17	85	890	162	e115	e121	401	1,610	424	73	66	78	67
18	107	917	154	e121	e119	1,300	1,760	426	74	64	77	65
19	185	871	142	e176	e119	993	1,290	630	71	67	76	64
20	178	791	e127	e282	e117	656	1,010	565	70	83	73	63
21	324	723	e121	e221	e115	430	899	391	74	89	72	e64
22	301	675	e118	e184	e114	338	830	254	78	72	71	e66
23	216	642	159	e159	e112	393	776	186	85	61	70	e66
24	168	622	448	e143	e110	e528	676	151	79	61	73	e65
25	137	599	369	e130	e109	e484	554	131	74	67	73	e65
26	116	581	287	e119	e106	e421	491	115	71	66	71	e65
27	98	568	288	e111	e103	e400	455	100	69	64	70	e65
28	96	554	220	e105	e101	404	456	91	68	63	69	e94
29	654	533	170	e101	---	376	451	86	70	63	68	e100
30	596	521	e170	e97	---	347	455	82	66	63	67	e82
31	365	---	140	e95	---	317	---	75	---	62	67	---
Total	5,232	17,103	8,025	5,646	2,868	10,203	16,792	6,857	2,464	2,025	2,238	2,073
Mean	169	570	259	182	102	329	560	221	82.1	65.3	72.2	69.1
Max	654	1,510	577	417	122	1,300	1,760	630	171	89	93	100
Min	79	108	118	95	88	76	232	75	63	60	57	63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	121	209	227	189	184	261	435	277	171	99.5	75.6	78.5
Max	468	601	528	457	548	666	737	732	513	354	205	201
(WY)	(2006)	(2006)	(2004)	(1958)	(1976)	(1998)	(1969)	(1972)	(2006)	(1996)	(1991)	(1981)
Min	11.7	33.0	48.5	42.3	48.1	98.6	132	96.4	35.4	25.3	15.7	11.4
(WY)	(1958)	(2002)	(1956)	(1985)	(2004)	(2006)	(2006)	(1957)	(1965)	(1965)	(1956)	(1957)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1956 - 2007	
Annual total	85,826		81,526			
Annual mean	235		223		194	
Highest annual mean					292	1973
Lowest annual mean					96.0	1985
Highest daily mean	1,510	Nov 15	1,760	Apr 18	3,350	Apr 29, 1973
Lowest daily mean	71	Sep 3	57	Aug 11	8.6	Sep 30, 1957
Annual seven-day minimum	76	Aug 28	61	Jul 8	9.5	Sep 25, 1957
Maximum peak flow			1,880	Nov 14	3,930	Apr 29, 1973
Maximum peak stage			6.23	Nov 14	9.35	Apr 29, 1973
10 percent exceeds	587		538		425	
50 percent exceeds	126		115		129	
90 percent exceeds	81		65		46	

