

**01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME**

St. John Basin  
Meduxnekeag Subbasin

LOCATION.--Lat 46°06'18", long 67°52'00" referenced to North American Datum of 1983, Aroostook County, ME, Hydrologic Unit 01010005, on right bank 0.3 mi downstream from South Branch Meduxnekeag River and 2.0 mi upstream from Houlton.

DRAINAGE AREA.--175 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: October 1940 to September 1982, October 2003 to current year. October 1940 monthly discharge only, published in WSP 1301.

GAGE.--Water-stage recorder. Datum of gage is 333.92 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 5-13, 19-23, Dec. 28 to Jan. 6, and Jan. 10 to Apr. 16, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,640 ft<sup>3</sup>/s, Apr. 3, 1976, gage height, 9.98 ft; maximum gage height, 10.83 ft, Mar. 27, 1953 (backwater from ice); minimum discharge, 3.6 ft<sup>3</sup>/s, Sept. 19, 1946, gage height, 2.09 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,100 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Nov 15	1100	*3,420	*7.18
Nov 18	1015	2,320	6.04
Apr 24	2300	3,390	6.96

Minimum discharge, 11 ft<sup>3</sup>/s, Sept. 24, gage height, 2.31 ft.

## 01018000 MEDUXNEKEAG RIVER NEAR HOULTON, 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	39	487	397	e210	e97	e46	e208	1,310	211	129	103	138
2	43	399	502	e203	e93	e47	e202	1,230	192	100	84	107
3	48	350	454	e202	e93	e49	e183	1,070	168	82	69	84
4	49	303	380	e183	e90	e54	e164	907	149	68	95	64
5	63	260	e316	e180	e86	e54	e152	778	216	68	106	49
6	67	233	e273	e232	e83	e50	e148	681	285	89	87	39
7	55	221	e258	754	e79	e47	e139	597	220	113	69	34
8	48	226	e245	692	e77	e46	e130	532	171	110	71	30
9	45	395	e236	619	e74	e45	e121	488	137	94	153	25
10	39	588	e215	e514	e72	e44	e117	444	114	103	132	24
11	36	516	e201	e416	e70	e56	e122	399	99	86	101	26
12	38	446	e185	e409	e68	e76	e146	409	87	124	76	29
13	66	596	e181	e303	e65	e94	e180	371	75	133	59	28
14	99	1,530	227	e260	e63	e101	e237	316	66	106	48	27
15	87	3,230	279	e232	e68	e109	e322	275	60	101	38	27
16	71	2,430	335	e212	e67	e157	e451	280	53	134	33	29
17	62	1,840	359	e195	e63	e241	710	482	52	107	29	25
18	70	2,200	331	e180	e59	e397	993	615	86	83	32	23
19	124	1,690	e292	e169	e56	e570	1,250	903	76	84	29	21
20	168	1,220	e252	e159	e54	e589	1,520	1,050	65	89	29	19
21	475	915	e216	e150	e53	e540	1,890	958	79	99	24	17
22	627	712	e197	e141	e51	e452	2,220	766	114	84	20	16
23	457	584	e191	e135	e50	e392	2,520	578	100	67	18	14
24	395	502	486	e129	e49	e343	3,120	462	81	57	21	12
25	349	440	525	e124	e48	e338	3,040	389	68	51	29	19
26	292	391	449	e119	e48	e320	2,210	327	56	45	75	22
27	237	366	380	e115	e48	e289	1,700	269	50	41	112	17
28	206	360	e296	e111	e47	e260	1,480	303	108	39	87	18
29	617	336	e261	e106	---	e254	1,420	344	240	139	56	17
30	884	336	e234	e103	---	e237	1,390	276	184	143	47	16
31	666	---	e221	e100	---	e213	---	238	---	128	129	---
<b>Total</b>	6,522	24,102	9,374	7,657	1,871	6,510	28,485	18,047	3,662	2,896	2,061	1,016
<b>Mean</b>	210	803	302	247	66.8	210	950	582	122	93.4	66.5	33.9
<b>Max</b>	884	3,230	525	754	97	589	3,120	1,310	285	143	153	138
<b>Min</b>	36	221	181	100	47	44	117	238	50	39	18	12
<b>Cfsm</b>	1.20	4.59	1.73	1.41	0.38	1.20	5.43	3.33	0.70	0.53	0.38	0.19
<b>In.</b>	1.39	5.12	1.99	1.63	0.40	1.38	6.06	3.84	0.78	0.62	0.44	0.22

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	202	359	299	167	154	258	1,065	616	216	107	85.2	112
<b>Max</b>	1,006	999	1,050	682	618	1,234	1,815	1,775	685	430	502	711
<b>(WY)</b>	(2006)	(1964)	(1951)	(2006)	(1981)	(1979)	(1976)	(1961)	(1977)	(1951)	(1954)	(1954)
<b>Min</b>	17.2	24.2	11.7	20.7	17.6	43.5	269	192	62.6	29.4	8.44	5.93
<b>(WY)</b>	(1947)	(1956)	(1956)	(1948)	(1944)	(1967)	(1967)	(1968)	(1968)	(1971)	(1952)	(1953)

01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1941 - 2007	
<b>Annual total</b>	135,336		112,203			
<b>Annual mean</b>	371		307		305	
<b>Highest annual mean</b>					473	2006
<b>Lowest annual mean</b>					152	1957
<b>Highest daily mean</b>	3,230	Nov 15	3,230	Nov 15	6,010	Apr 4, 1976
<b>Lowest daily mean</b>	16	Sep 19	12	Sep 24	3.7	Sep 6, 1953
<b>Annual seven-day minimum</b>	19	Sep 14	17	Sep 21	4.4	Sep 5, 1960
<b>Maximum peak flow</b>			3,420	Nov 15	6,640	Apr 3, 1976
<b>Maximum peak stage</b>			7.18	Nov 15	10.83	Mar 27, 1953
<b>Instantaneous low flow</b>			11	Sep 24	3.6	Sep 19, 1946
<b>Annual runoff (cfsm)</b>	2.12		1.76		1.74	
<b>Annual runoff (inches)</b>	28.77		23.85		23.71	
<b>10 percent exceeds</b>	842		672		770	
<b>50 percent exceeds</b>	257		137		137	
<b>90 percent exceeds</b>	32		38		24	

