



Water-Data Report 2007

01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME

Maine Coastal Basin
Maine Coastal Subbasin

LOCATION.--Lat 44°36'29", long 67°56'07" referenced to North American Datum of 1983, Washington County, ME, Hydrologic Unit 01050002, on left bank 800 ft upstream from railroad bridge at Cherryfield, and 0.7 mi downstream from West Branch of Narraguagus River.

DRAINAGE AREA.--227 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--

DISCHARGE: February 1948 to current year.

REVISED RECORDS.--WSP 1301: 1948(M). WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 44.21 ft above National Geodetic Vertical Datum of 1929. Prior to July 1, 1948, nonrecording gage at same site and datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft³/s, May 28, 1961, gage height, 17.40 ft; minimum discharge, 3.0 ft³/s, Sept. 2, 4-5, 1978, gage height, 6.41 ft, caused by construction of ice retention dam upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 29	1400	2,880	12.45
Nov 15	0900	4,600	13.93
Mar 18	1545	4,350	13.73
Apr 18	0415	*6,590	*15.29

Minimum discharge, 42 ft³/s, Sept. 9, gage height, 7.26 ft.

01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, 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	120	1,220	514	418	e213	e169	767	1,190	306	170	91	56
2	133	926	818	659	e210	e174	710	1,140	287	150	84	55
3	161	798	853	669	e217	e205	695	994	270	137	79	52
4	148	685	758	591	e213	e239	665	836	288	127	92	50
5	150	596	667	530	e206	e229	658	725	966	136	95	48
6	149	540	560	581	e197	e210	679	659	1,080	173	91	46
7	136	513	541	831	e187	e194	667	598	811	274	96	45
8	128	511	550	974	e177	e179	625	539	584	316	109	45
9	121	1,260	513	1,350	e168	e169	599	493	448	260	149	48
10	115	1,430	486	1,220	e162	e162	654	455	359	214	124	61
11	108	1,180	465	889	e157	e314	660	426	305	180	104	71
12	137	1,090	440	793	e152	582	720	416	267	168	93	110
13	240	1,380	408	660	e148	595	823	386	238	164	91	110
14	239	2,490	504	548	e153	716	1,010	352	215	151	120	84
15	217	4,400	548	e482	e245	1,120	998	331	202	137	119	75
16	196	3,760	556	e441	e332	1,250	1,630	390	185	138	105	74
17	174	2,830	535	e412	e283	1,520	5,200	1,010	174	130	105	67
18	226	2,570	494	e388	e256	3,970	6,370	1,180	203	113	103	61
19	395	2,190	452	e511	e245	3,430	5,240	1,830	194	118	94	57
20	405	1,730	408	e734	e231	2,980	3,770	1,710	168	170	85	57
21	853	1,330	374	e630	e219	2,190	2,770	1,370	168	373	77	55
22	907	1,060	347	e527	e209	1,650	2,220	1,040	208	348	71	53
23	791	896	495	e463	e201	1,540	1,860	805	465	265	67	52
24	894	805	1,130	e411	e192	1,580	1,590	662	409	206	67	48
25	843	719	1,040	e366	e187	1,450	1,380	570	305	172	72	46
26	671	652	893	e325	e179	1,300	1,190	496	240	153	72	44
27	543	605	827	e292	e174	1,260	1,030	426	201	127	69	45
28	560	572	711	e270	e169	1,220	979	382	219	112	64	67
29	2,560	535	558	e252	---	1,100	959	374	240	104	60	92
30	2,330	508	473	e236	---	989	1,040	351	203	100	56	74
31	1,740	---	447	e222	---	865	---	327	---	96	57	---
Total	16,390	39,781	18,365	17,675	5,682	33,551	48,158	22,463	10,208	5,482	2,761	1,848
Mean	529	1,326	592	570	203	1,082	1,605	725	340	177	89.1	61.6
Max	2,560	4,400	1,130	1,350	332	3,970	6,370	1,830	1,080	373	149	110
Min	108	508	347	222	148	162	599	327	168	96	56	44
Cfsm	2.33	5.84	2.61	2.51	0.89	4.77	7.07	3.19	1.50	0.78	0.39	0.27
In.	2.69	6.52	3.01	2.90	0.93	5.50	7.89	3.68	1.67	0.90	0.45	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	289	588	649	509	464	735	1,201	683	355	191	132	157
Max	1,559	1,326	1,533	1,118	1,125	1,738	1,945	1,962	1,240	859	526	947
(WY)	(2006)	(2007)	(1970)	(1958)	(1976)	(1998)	(1982)	(1989)	(2006)	(1996)	(1986)	(1954)
Min	34.3	55.3	87.7	112	121	153	446	299	119	47.2	28.8	32.3
(WY)	(1958)	(2002)	(1956)	(2002)	(1980)	(1967)	(2006)	(1999)	(1964)	(1965)	(1965)	(1968)

01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME—Continued

SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1948 - 2007	
Annual total	234,578		222,364			
Annual mean	643		609		496	
Highest annual mean					761	1973
Lowest annual mean					256	2001
Highest daily mean	4,400	Nov 15	6,370	Apr 18	9,490	May 28, 1961
Lowest daily mean	104	Sep 23	44	Sep 26	7.1	Sep 5, 1978
Annual seven-day minimum	116	Sep 18	48	Sep 3	20	Sep 15, 2001
Maximum peak flow			6,590	Apr 18	10,400	May 28, 1961
Maximum peak stage			15.29	Apr 18	17.40	May 28, 1961
Instantaneous low flow			42	Sep 9	3.0	Sep 2, 1978
Annual runoff (cfsm)	2.83		2.68		2.18	
Annual runoff (inches)	38.44		36.44		29.68	
10 percent exceeds	1,380		1,310		1,150	
50 percent exceeds	447		366		300	
90 percent exceeds	149		76		72	

