

Water-Data Report 2007

**01013500 FISH RIVER NEAR FORT KENT, ME**

St. John Basin  
Fish Subbasin

LOCATION.--Lat 47°14'15", long 68°34'58" referenced to North American Datum of 1983, Aroostook County, ME, Hydrologic Unit 01010003, on right bank, 2 mi upstream from mouth, and 2 mi south of Fort Kent.

DRAINAGE AREA.--873 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--

DISCHARGE: July 1903 to December 1908 and May to November 1911 (published as "at Wallagrass"), September 1929 to current year. Monthly discharges only for some periods prior to November 1911, published in WSP 1301.

REVISED RECORDS.--WSP 2101: 1969(M). WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 511.38 ft above National Geodetic Vertical Datum of 1929. July 1903 to December 1908 and May to November 1911, nonrecording gage at site 10 mi upstream at different datum.

REMARKS.--Records good, except for period of ice effect, Dec. 29 to Apr. 12, which is poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft<sup>3</sup>/s, Apr. 30, 1973, gage height, 12.43 ft; minimum discharge, 34 ft<sup>3</sup>/s, Aug. 29, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,420 ft<sup>3</sup>/s, May 3, gage height, 8.39 ft; minimum discharge, 140 ft<sup>3</sup>/s, Sept. 27, gage height, 2.29 ft.

## 01013500 FISH RIVER NEAR FORT KENT, 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	279	3,690	2,890	e949	e577	e338	e787	8,200	2,330	909	442	349
2	264	3,510	2,810	e939	e560	e336	e806	8,310	2,180	864	444	332
3	262	3,310	2,670	e930	e544	e344	e808	8,340	2,050	824	497	323
4	267	3,110	2,540	e898	e530	e345	e799	8,120	1,930	782	583	296
5	389	2,900	2,380	e887	e515	e341	e813	7,870	1,960	763	604	271
6	379	2,740	2,240	e976	e500	e336	e838	7,630	2,160	741	608	266
7	377	2,580	2,150	e1,100	e487	e332	e845	7,450	1,920	709	599	261
8	379	2,460	2,000	e1,130	e473	e328	e836	7,400	1,850	670	627	251
9	379	2,470	1,910	e1,210	e462	e325	e815	7,380	1,800	649	705	233
10	376	2,390	1,830	e1,220	e449	e323	e795	7,230	1,880	642	691	225
11	374	2,300	1,740	e1,260	e438	e321	e779	7,000	1,820	622	661	221
12	537	2,410	1,650	e1,270	e427	e320	e773	6,700	1,760	707	631	234
13	777	2,580	1,560	e1,250	e416	e321	826	6,330	1,690	677	603	219
14	773	3,200	1,520	e1,200	e411	e329	862	5,930	1,610	662	566	211
15	808	4,160	1,470	e1,140	e422	e337	874	5,550	1,520	683	550	234
16	844	4,530	1,420	e1,080	e425	e350	883	5,180	1,430	753	527	249
17	862	5,120	1,370	e1,020	e417	e373	932	4,840	1,370	684	503	233
18	974	5,340	1,310	e969	e406	e418	981	4,510	1,340	641	468	217
19	1,070	5,320	1,240	e922	e397	e465	1,080	4,230	1,300	609	429	209
20	1,230	5,230	1,190	e880	e389	e516	1,240	4,050	1,260	638	404	196
21	3,140	5,030	1,150	e845	e381	e553	1,510	4,100	1,220	686	380	187
22	3,880	4,770	1,090	e808	e373	e568	1,910	3,910	1,170	645	363	186
23	4,100	4,510	1,070	e778	e367	e599	2,830	3,720	1,100	605	351	177
24	4,150	4,210	1,140	e747	e360	e629	4,500	3,520	1,050	565	357	155
25	4,080	3,940	1,110	e720	e355	e656	5,760	3,310	1,000	527	379	149
26	3,950	3,670	1,110	e697	e349	e673	6,570	3,080	962	493	457	146
27	3,750	3,400	1,120	e673	e350	e686	7,110	2,890	921	466	418	163
28	3,600	3,160	1,090	e653	e344	e714	7,460	2,820	1,030	456	389	264
29	4,000	2,950	e1,050	e632	---	e727	7,610	2,720	1,020	508	371	249
30	3,880	2,800	e1,010	e613	---	e746	7,830	2,600	953	500	378	232
31	3,800	---	e977	e595	---	e768	---	2,470	---	470	382	---
<b>Total</b>	53,930	107,790	49,807	28,991	12,124	14,417	70,462	167,390	45,586	20,150	15,367	6,938
<b>Mean</b>	1,740	3,593	1,607	935	433	465	2,349	5,400	1,520	650	496	231
<b>Max</b>	4,150	5,340	2,890	1,270	577	768	7,830	8,340	2,330	909	705	349
<b>Min</b>	262	2,300	977	595	344	320	773	2,470	921	456	351	146
<b>Cfsm</b>	1.99	4.12	1.84	1.07	0.50	0.53	2.69	6.19	1.74	0.74	0.57	0.26
<b>In.</b>	2.30	4.59	2.12	1.24	0.52	0.61	3.00	7.13	1.94	0.86	0.65	0.30

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2007, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	803	1,250	1,114	654	509	576	3,185	5,047	1,765	948	706	570
<b>Max</b>	3,573	4,116	4,688	1,891	1,750	3,104	7,495	8,951	3,696	3,075	3,571	2,492
<b>(WY)</b>	(2006)	(1964)	(1951)	(1958)	(1996)	(1936)	(1953)	(1969)	(1961)	(1954)	(1954)	(1963)
<b>Min</b>	63.1	98.2	103	149	116	107	390	1,327	652	294	112	51.7
<b>(WY)</b>	(1906)	(1906)	(1956)	(1904)	(1904)	(1944)	(1944)	(1987)	(1988)	(1965)	(1968)	(1968)

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SUMMARY STATISTICS

	Calendar Year 2006		Water Year 2007		Water Years 1903 - 2007	
<b>Annual total</b>	711,926		592,952			
<b>Annual mean</b>	1,950		1,625		1,435	
<b>Highest annual mean</b>					2,270	2006
<b>Lowest annual mean</b>					773	1965
<b>Highest daily mean</b>	7,950	Apr 17	8,340	May 3	15,600	Apr 30, 1973
<b>Lowest daily mean</b>	163	Sep 23	146	Sep 26	42	Oct 4, 1995
<b>Annual seven-day minimum</b>	172	Sep 17	166	Sep 21	44	Oct 1, 1995
<b>Maximum peak flow</b>			8,420	May 3	15,800	Apr 30, 1973
<b>Maximum peak stage</b>			8.39	May 3	12.43	Apr 30, 1973
<b>Instantaneous low flow</b>			140	Sep 27	34	Aug 29, 1968
<b>Annual runoff (cfsm)</b>	2.23		1.86		1.64	
<b>Annual runoff (inches)</b>	30.34		25.27		22.34	
<b>10 percent exceeds</b>	4,280		4,150		3,630	
<b>50 percent exceeds</b>	1,400		824		735	
<b>90 percent exceeds</b>	303		324		228	

