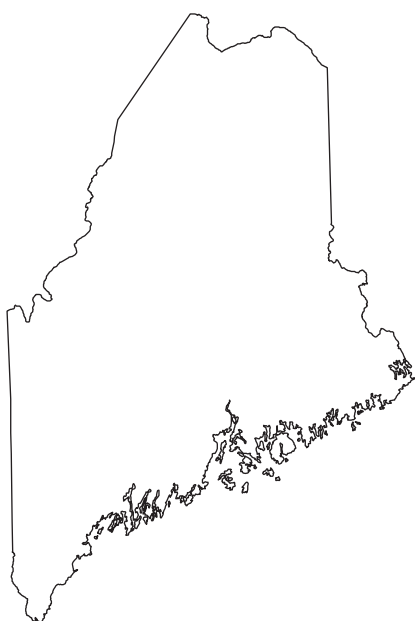


Prepared in cooperation with the State of Maine and with other agencies



Water Resources Data Maine Water Year 2004



Water-Data Report ME-04-1

Calendar for Water Year 2004

2003

October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
			1	2	3	4							1		1	2	3	4	5	6
5	6	7	8	9	10	11	2	3	4	5	6	7	8	7	8	9	10	11	12	13
12	13	14	15	16	17	18	9	10	11	12	13	14	15	14	15	16	17	18	19	20
19	20	21	22	23	24	25	16	17	18	19	20	21	22	21	22	23	24	25	26	27
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							30													

2004

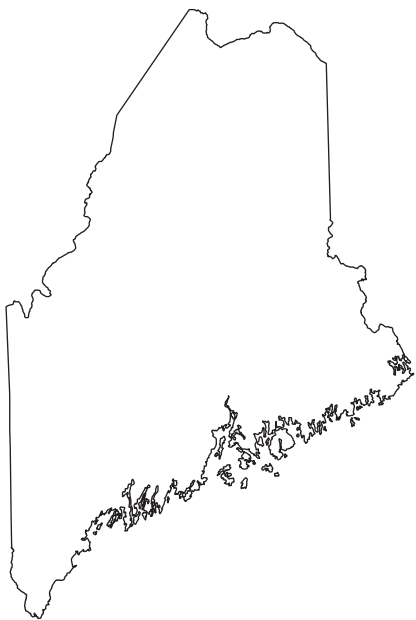
January							February							March						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	1	2	3	4	5	6	7		1	2	3	4	5	6
4	5	6	7	8	9	10	8	9	10	11	12	13	14	7	8	9	10	11	12	13
11	12	13	14	15	16	17	15	16	17	18	19	20	21	14	15	16	17	18	19	20
18	19	20	21	22	23	24	22	23	24	25	26	27	28	21	22	23	24	25	26	27
25	26	27	28	29	30	31	29							28	29	30	31			
April							May							June						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3							1			1	2	3	4	5
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30			
							30	31												
July							August							September						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	1	2	3	4	5	6	7				1	2	3	4
4	5	6	7	8	9	10	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31	29	30	31					26	27	28	29	30		

U.S. Department of the Interior
U.S. Geological Survey

Water Resources Data Maine Water Year 2004

By G.J. Stewart, J.M. Caldwell, A.R. Cloutier, and L.E. Flight

Water-Data Report ME-04-1



U.S. DEPARTMENT OF THE INTERIOR

Gale Norton, Secretary

U.S. GEOLOGICAL SURVEY

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2005

PREFACE

This volume of the annual hydrologic data report of Maine is one of a series of annual reports that document data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources.

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to U.S. Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data.

Jason R. Cyr	Joseph P. Nielsen
Robert W. Dudley	Timothy C. Sargent
Josh P. Kempf	Nick W. Stasulis
Patrick C. Miller	

Gloria L. Morrill prepared the illustrations for the report.

This report was prepared in cooperation with the State of Maine and with other agencies under the general supervision of Robert M. Lent, Maine District Chief.

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13. ABSTRACT (Maximum 200 words) The Water Resources Dicipline of the U.S. Geological Survey, in cooperation with State, Federal, and other local governmental agencies, obtains a large amount of data pertaining to the water resources of Maine each year. These data, accumulated during the many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. Water-resources data for the 2004 water year for Maine consists of records of stage, discharge, ground water levels, water quality of streams and ground-water wells, precipitation quantity, and snow quantity. This report contains discharge records for: 6 gage-height stations, 62 discharge gaging stations, stream water-quality data for 6 stations, water level for 23 ground-water wells, water-quality data for 24 ground-water wells, precipitation quantity data for 15 stations, and snow quantity data for 80 stations. Additional water data were collected at other sites, not part of the systematic data-collection program, and are published as special study and miscellaneous record sections.				
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ARE PUBLISHED IN THIS VOLUME**

NOTE: Data for partial-record and special-study stations for both surface-water discharge and quality are published in separate sections of the data report. See references at the end of this list for page numbers for these sections.

[Letters after station name designate type of data collected: (d) discharge, (c) chemical, (b) biological, (e) minor element, (n) nutrient, (m) continuous water-quality monitor, (g) gage height or elevation.]

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**SURFACE-WATER AND WATER-QUALITY STATIONS, IN DOWNSTREAM ORDER, FOR WHICH
RECORDS ARE PUBLISHED IN THIS VOLUME**

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NOTE: Data for partial-record and special-study stations for both ground-water level and quality are published in separate sections of the data report. See references at the end of this list for page numbers for these sections.

[Letters after station name designate type of data collected: (l) water level, (c) chemical, (h) household waste, (e) minor element, (n) nutrient]

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DISCONTINUED SURFACE-WATER DISCHARGE OR GAGE-HEIGHT STATIONS

The following continuous- or partial-record surface-water discharge or gage-height stations in Maine have been discontinued. Daily or partial streamflow records or gage-heights were collected and published for the period of record shown for each station.

[Letters after station name designate type of data collected: (d) discharge, (g) gage height or elevation, (c) crest-stage partial record]

Station Name	Station Number	Drainage Area (mi ²)	Period of Record (Water Year)
St. John River basin			
Shields Branch Big Black River near Seven Islands, ME (d)	01010100	158	1977-1980
St. John River above Fish River at Fort Kent, ME (d)	01012500	4,764	1906-1915
Clayton Stream at outlet of Clayton Lake, ME (d)	01012515	13.0	1982-1984
Bald Mountain Brook near Bald Mountain, ME (d)	01012520	1.69	1981-1984
Bishop Mountain Brook near Bishop Mountain, ME (d)	01012525	1.04	1982-1984
Fish River at inlet of Fish River Lake, ME (d)	01012570	70.3	1982-1984
Factory Brook near Madawaska, ME (c)	01014700	5.83	1964-1974
St. John River at Van Buren, ME (d)	01015000	8,174	1908-1928
Houlton Brook near Oxbow, ME (c)	01015700	5.08	1964-1974
Machias River near Ashland, ME (d)	01016500	329	1951-1983
Nichols Brook near Caribou, ME (c)	01017300	3.94	1964-1974
Aroostook River at Fort Fairfield, ME (d)	01017500	2,301	1904-1910
Marley Brook near Ludlow, ME (d)	01017900	1.47	1964-1982
Meduxnekeag River near Houlton, ME (d)	01018000	175	1941-1982
St. Croix River basin			
St. Croix River near Baileyville, ME (d) ^b	01020000	1,315	1920-1983
Wiggins Brook basin			
Wiggins Brook near West Lubec, ME (c)	01021300	5.04	1965-1974
Machias River basin			
Black Brook near Northfield (d)	01021466	1.59	2000-2001
Middle River near Machias, ME (c)	01021600	8.32	1965-1974
East Machias River near East Machias, ME (d)	01022000	251	1927-1958
Pleasant River basin			
Taylor Brook at the Great Heath, ME (d)	01022250	7.06	1980-1982
Forbes Pond Brook basin			
Forbes Pond Brook near Prospect Harbor, ME (c)	01022700	8.78	1965-1974
Northeast Creek basin			
Old Mill Brook at Old Norway Drive near Bar Harbor, ME (d)	01022800	1.55	1999-2000
Union River basin			
West Branch Union River at Amherst, ME (d)	01023000	148	1910-1919 1929-1979
Garland Brook near Mariaville, ME (d)	01024200	9.79	1964-1982
Green Lake Stream at Lakewood, ME (d)	01025000	^a 47.0	1910-1911 1913-1913
Branch Lake Stream near Ellsworth, ME (d)	01026000	^a 31.0	1910-1913
Frost Pond Brook basin			
Frost Pond Brook near Sedgwick, ME (c)	01026800	5.68	1965-1974
Penobscot River basin			
West Branch Penobscot River near Medway, ME (d)	01028000	^a 2,115	1917-1940
Penobscot River near Mattawamkeag, ME (d) ^b	01030000	3,356	1940-1991
Trout Brook near Danforth, ME (c)	01030300	4.39	1964-1973
Gulliver Brook near Monarda, ME (c)	01030400	11.0	1964-1974
Mattawamkeag River at Mattawamkeag, ME (d)	01031000	1,507	1903-1934

DISCONTINUED SURFACE-WATER DISCHARGE OR GAGE-HEIGHT STATIONS--Continued

Station Name	Station Number	Drainage Area (mi ²)	Period of Record (Water Year)
Penobscot River basin--Continued			
Morrison Brook near Sebec Corners, ME (d)	01031600	4.35	1964-1978
Sebec River at Sebec, ME (d)	01033000	326	1925-1982 1985-1993
Pleasant River near Milo, ME (d)	01033500	323	1920-1979
Coffin Brook near Lee, ME (c)	01034900	2.21	1964-1974
Passadumkeag River at Lowell, ME (d)	01035000	297	1916-1979
Cold Stream at Enfield, ME (d)	01035500	^a 28.5	1904-1907
Penobscot River at Passadumkeag, ME (d)	01036000	^a 7,000	1939-1958
Penobscot River at Eddington, ME (d)	01036390	7,764	1979-1996
Kenduskeag Stream near Kenduskeag, ME (d)	01036500	176	1942-1979
Kenduskeag Stream near Bangor, ME (d)	01037000	^a 195	1909-1919
Shaw Brook ^c near Northern Maine Junction, ME (c)	01037200	3.06	1964-1974
Goose River basin			
Goose River at Rockport, ME (c)	01037430	8.32	1964-1974
Damariscotta River basin			
Tributary A, Little Pond near Damariscotta (d)	01037700	0.31	1977-1978
Kennebec River basin			
Moose River near Rockwood, ME (d)	01039000	^a 708	1920-1925
Moosehead Lake at East Outlet, ME (g)	01040500	1,268	1895-1994
Kennebec River at Moosehead, ME (d)	01041000	1,268	1920-1982
Mountain Brook near Lake Parlin, ME (c)	01041900	3.91	1964-1974
Dead River near Dead River, ME (d)	01043500	516	1940-1982
Dead River at The Forks, ME (d)	01045000	867	1901-1907 1911-1979
Austin Stream at Bingham, ME (d)	01046000	90.0	1932-1969
South Branch Carrabassett River at Bigelow, ME (c)	01046800	14.2	1964-1974
Sandy River near Farmington, ME (d)	01047500	242	1911-1915
Wilson Stream at East Wilton, ME (d)	01047730	45.8	1977-1984
Pelton Brook near Anson, ME (c)	01048100	14.1	1965-1974
Kennebec River at Waterville, ME (d) ^b	01048500	4,228	1893-1935
Hall Brook at Thorndike, ME (c)	01049100	5.23	1964-1974
Johnson Brook at South Albion, ME (d)	01049130	2.92	1980-1991
Kennebec River near Waterville, ME (d)	01049205	5,179	1993-2000
Cold Brook near North Belgrade, ME (d)	01049218	0.85	1978-1979
Hatchery Brook at North Belgrade, ME (d)	01049221	8.83	1978-1979
Stony Brook near South Vassalboro, ME (d)	01049270	2.99	1979-1980
North Branch Tanning Brook near Manchester, ME (d)	01049300	0.93	1964-1983
Mill Stream at Winthrop, ME (d)	01049373	32.7	1978-1992
Jock Stream at South Monmouth, ME (d)	01049396	13.7	1978-1983
Cobbosseecontee Lake at East Winthrop, ME (g)	01049400	131	1975-1992
Togus Stream at Togus, ME (d)	01049550	23.7	1982-1995
Gardiner Pond Brook at Dresden Mills, ME (c)	01049700	8.19	1965-1974
Androscoggin River basin			
Four Ponds Brook near Houghton, ME (c)	01050900	3.41	1964-1974
Bog Brook near Buckfield, ME (c)	01055300	10.5	1964-1974

DISCONTINUED SURFACE-WATER DISCHARGE OR GAGE-HEIGHT STATIONS--Continued

Station Name	Station Number	Drainage Area (mi ²)	Period of Record (Water Year)
Androscoggin River basin--Continued			
The Basin outlet at North Auburn, ME (d)	01056400	8.01	2000-2003
Townsend Brook near Auburn, ME (d)	01056480	1.88	2000-2003
Bobbin Mill Brook near Auburn, ME (d)	01056505	18.3	2000-2003
Pennesseewassee Lake Outlet at Norway, ME (d)	01057510	^a 30.3	1982-1983
Thompson Lake Outlet at Oxford, ME (d)	01058005	47.7	1975-1978 1981-1983
Little Androscoggin River near Auburn, ME (d)	01058500	328	1941-1982
Hooper Brook at Sprague Mill, ME (d)	01059090	8.30	1978-1980
Sabattus River at Lisbon Center, ME (d)	01059160	72.5	1975-1977
Cathance River near Topsham, ME (d)	01059500	36.4	1953-1955
Presumpscot River basin			
Patte Brook near Bethel, ME (c)	01062700	5.35	1965-1974
Crooked River near Naples, ME (d)	01063100	150	1975-1977 1995-2000
Standish Brook at Mouth, at Sebago Lake, ME (d)	01063452	0.52	1999-2000
Presumpscot River at Outlet of Sebago Lake, ME (d)	01064000	441	1887-2000
Presumpscot River at Westbrook, ME (d) ^b	01064118	577	1976-1995
Stroudwater River basin			
Stroudwater River at South Portland, ME (d)	01064158	27.6	1975-1977
Jones Creek basin			
Mill Brook near Old Orchard Beach, ME (c)	01064200	2.23	1965-1974
Saco River basin			
Ossipee River at Effingham Falls, NH (d)	01065000	330	1942-1990
Ossipee River at Cornish, ME (d)	01065500	452	1916-1996
Pease Brook near Cornish, ME (c)	01066100	4.62	1965-1974
Little Ossipee River near South Limington, ME (d)	01066500	168	1940-1982
Saco River at West Buxton, ME (d) ^b	01067000	1,572	1908-1916 1919-1940
Saco River at Salmon Falls, ME (d)	01067500	1,593	1939-1948
Sandy Brook above landfill near Saco, ME (d)	01067851	1.28	1993-1994
Sandy Brook below landfill near Saco, ME (d)	01067853	1.42	1993-1994
Mousam River basin			
Littlefield River at Alfred, ME (d)	01068980	22.4	1978-1980
Mousam River near West Kennebunkport, ME (d)	01069500	99.0	1940-1984
Little River basin			
Branch Brook near Kennebunk, ME (c)	01069700	10.7	1965-1974
Webhannet River basin			
Blacksmith Brook at Wells, ME (d)	01069800	^a 2.48	1975-1976
Piscataqua River basin			
Salmon Falls River near South Lebanon, ME (d)	01072500	140	1929-1969

^a Station not included in last systematic recomputation of drainage areas in Maine. Drainage area may conflict with other published information.

^b Revisions to the maximum discharges for some periods at this site have been published in WDR ME-97-1.

^c Station formerly published as Cold Brook near Northern Maine Junction, Maine

DISCONTINUED SURFACE-WATER QUALITY STATIONS

The following stations were discontinued as continuous-recording surface-water quality monitor stations. Daily records of specific conductance (sc), pH (pH), water temperature (wt), dissolved oxygen (do), and sediment discharge (sd) were collected and published for the period of record shown for each station.

Discontinued continuous-recording surface-water quality monitor stations

Station Name	Station Number	Drainage Area (mi ²)	Type of Record	Period of Record (water year)
St. John River basin				
St. John River at Ninemile Bridge, ME	01010000	1,341	sc,wt	1976-80
St. John River at Dickey, ME	01010500	2,680	sc,wt sd	1975-80 1976
Allagash River near Allagash, ME	01011000	1,229	sc,wt sd	1975-80 1976
St. John River above Fish River at Ft. Kent, ME	01012500	4,764	sc,wt	1977-80
St. John River at Van Buren, ME	01015000	8,174	sc,wt	1979-81
St. John River near Hamlin, ME	01015010	8,236	sc,wt,do pH	1989-95 1989-94
Aroostook River at Caribou, ME	01017100	1,943	sc,wt	1976-81
St. Croix River basin				
St. Croix River at Baring, ME	01021000	1,374	wt	1960-76
Dennys River basin				
Dennys River at Dennysville, ME	01021200	92.9	wt	1959-72
Narraguagus River basin				
Narraguagus River at Cherryfield, ME	01022500	227	sc,wt	1978-81
Penobscot River basin				
Piscataquis River near Dover-Foxcroft, ME	01031500	298	wt	1987-89
Penobscot River at West Enfield, ME	01034500	6,671	wt sc	1966-78 1974-78
Penobscot River at Eddington, ME	01036390	7,764	sc,pH,wt,do	1979-94
Sheepscot River basin				
Sheepscot River at North Whitefield, ME	01038000	145	wt sc	1958-71 1974-76 1974-76
Kennebec River basin				
Kennebec River at Bingham, ME	01046500	2,715	sc,wt	1976-78
Kennebec River at North Sidney, ME	01049265	5,403	sc,pH,wt,do	1979-94
Androscoggin River basin				
Wild River at Gilead, ME	01054200	69.6	wt	1964-83 1992-93
Androscoggin River at Turner Bridge, ME	01055700	2,840	wt sc,do	1981, 1995 1995
Gulf Island Pond near Lewiston, ME	01056000	2,863	sc,wt,do	1981-95
Androscoggin River at North Bridge at Auburn, ME	01056600	2,907	wt,do	1988-95
Androscoggin River below Dressers Rips near Auburn, ME	01059010	3,263	sc,pH,wt,do	1988-95
Androscoggin River at Brunswick, ME	01059400	3,434	sc,wt	1981
Presumpscot River basin				
Presumpscot River near West Falmouth, ME	01064140	598	sc,pH,wt,do	1976-93
Presumpscot River at Presumpscot Falls near Falmouth, ME	01064149	641	sc,wt,do	1994-96
Saco River basin				
Saco River at Cornish, ME	01066000	1,293	sc,wt	1975-81

DISCONTINUED SURFACE-WATER QUALITY STATIONS--Continued

The following stations were discontinued as surface-water quality sampling stations. Samples were collected and analyzed for various record types for the period of record (in water years) and the number of samples shown.

There is a broad range of water-quality parameters available for most stations whose record exceeds more than a few years operation. Sampling schedules are often intermittent for certain types of data, with analyses available for some but not all years within a station's period of record. A description of the variety of data available is shown by grouping similar parameters into lettered record types. **Chemical data (c)** includes most of the "major ions," and may include some of the following physical properties: specific conductance, pH, temperature, color, turbidity, dissolved oxygen; **Minor element data (e)** comprises the "heavy metals" and some of the "alkaline earth" groups. Determinations usually include some but not all of the following: Al, As, Ba, Cd, Cr, Co, Cu, Hg, Li, Ni, Pb, Se, Sn, Sr, Zn; **Radiochemical data (r)** reports determinations of the concentrations of individual radioactive element, such as radium 226, cobalt 60, strontium 90, and tritium. This category also includes the gross measurement of radioactivity (alpha, beta, gamma) without regard to the radiochemical species that produce the radioactivity; **Pesticide data (p)** are organic compound (insecticides and herbicides) used to control insects and plants. Routinely, the analyses search for traces of between 12 to 22 compounds; **Organic data (o)** includes organic data (other than pesticides) such as OC, PCB, and PCN; **Nutrient data (n)** are constituents containing nitrogen or phosphorus. Results usually include several of the following: nitrite plus nitrate, phosphorus, ammonia nitrogen, organic nitrogen, ammonia nitrogen plus organic nitrogen (Kjeldahl method); **Biological data (b)** reports the identification and concentrations of microscopic plant organisms (phytoplankton, periphyton), or enteric bacteria (total coliform, fecal coliform or fecal streptococcal) living in aquatic habitats; and **Sediment data (s)** includes suspended-sediment concentration, suspended-sediment discharge, and particle-size data for discrete samples.

Discontinued surface-water quality sampling stations

Station Name	Station Number	Drainage Area (mi ²)	Type of Record	Period of Record and (number of samples)
St. John River basin				
St. John River at Ninemile Bridge, ME	01010000	1,341	c,e,n	1981 (5)
Big Black River near Seven Islands, ME	01010080	304	c,e,n	1981 (5)
Shields Branch Big Black River near Seven Islands, ME	01010100	158	c,e,n	1981 (5)
Little Black River near Dickey, ME	01010480	264	c,e,n	1981 (5)
St. John River at Dickey, ME	01010500	2,680	c,e,n	1952-53 (2), 1975 (2), 1981 (5)
Allagash River near Allagash, ME	01011000	1,229	c,e,n	1952-53 (2), 1975 (2), 1981 (5)
St. John River at Lincoln School, ME	01011400	4,014	c,e,n	1981 (5)
Fish River near Fort Kent, ME	01013500	873	c,e,n	1954 (2)
St. John River below Fish River, at Ft. Kent, ME	01014000	5,665	c,e,n	1954-55 (4)
St. John River at Van Buren, ME	01015000	8,174	c,e,o,n,b,s	1979-94 (105)
Aroostook River at Washburn, ME	01017000	1,654	c,e,n	1952-53 (3)
Aroostook River at Caribou, ME	01017100	1,943	c,e,p,o,n,b,s	1975-85 (111)
Aroostook River at Fort Fairfield, ME	01017500	2,301	c,e,n,b,s	1971 (1) 1986 (4)
St. Croix River basin				
St. Croix River at Vanceboro, ME	01018500	413	c,e,n	1955 (2)
Grand Lake Stream at Grand Lake Stream, ME	01019000	227	c,e,n	1954 (2)
St. Croix River near Baileyville, ME	01020000	1,315	c,e,r,p,n,b	1952-53 (2), 1972-74 (9)
St. Croix River at Baring, ME	01021000	1,374	e	1971 (1)
St. Croix River at Milltown, ME	01021050	1,455	c,e,r,p,o,n,b,s	1969-91 (132)
Machias River basin				
Machias River at Whitneyville, ME	01021500	457	c,e,n	1952-53 (2)
East Machias River near East Machias, ME	01022000	^a 251	c,e,n	1955 (2)
Narraguagus River basin				
Narraguagus River at Cherryfield, ME	01022500	227	c,e,o,n,b,s	1954 (2), 1978-86 (69)
Union River basin				
West Branch Union River at Amherst, ME	01023000	148	c,e,n	1954 (2)

DISCONTINUED SURFACE-WATER QUALITY STATIONS--Continued

Discontinued surface-water quality sampling stations-Continued

Station Name	Station Number	Drainage Area (mi ²)	Type of Record	Period of Record and (number of samples)
Penobscot River basin				
East Branch Penobscot River at Grindstone, ME	01029500	1,086	c,e,n	1952-53 (2)
Penobscot River near Mattawamkeag, ME	01030000	3,356	c,e,n	1954 (2)
Mattawamkeag River near Mattawamkeag, ME	01030500	1,418	c,e,n	1954 (2)
Piscataquis River near Dover Foxcroft, ME	01031500	298	c,e,n	1955 (2)
Sebec River at Sebec, ME	01033000	326	c,e,n	1954 (2)
Pleasant River near Milo, ME	01033500	323	c,e,n	1955 (2)
Piscataquis River at Medford, ME	01034000	1,162	c,e,n	1952-53 (2)
Penobscot River at West Enfield, ME	01034500	6,671	c,e,r,o,n,b,s	1952 (1), 1955 (2), 1961 (3), 1966-78 (151)
Passadumkeag River at Lowell, ME	01035000	297	c,e,n	1955 (2)
Penobscot River at Passadumkeag, ME	01036000	^a 7,000	c,e,n	1954 (2)
Penobscot River at Orono, ME	-----	7,710	e	1971 (1)
Penobscot River at Eddington, ME	01036390	7,764	c,e,r,o,n,b,s	1979-94 (87)
Kenduskeag Stream near Kenduskeag, ME	01036500	176	c,e,n	1955 (2)
Sheepscot River basin				
Sheepscot River at North Whitefield, ME	01038000	145	c,e,n	1955 (2)
Kennebec River basin				
Moosehead Lake at East Outlet, ME	01040500	1,268	c,e,n	1958 (2)
Kennebec River at the Forks, ME	01042500	1,590	c,e,n	1952-53 (2)
Dead River near Dead River, ME	01043500	516	c,e,n	1954-55 (2)
Dead River at the Forks, ME	01045000	876	c,e,n	1952-53 (2)
Austin Stream at Bingham, ME	01046000	90.0	c,e,n	1958 (2)
Kennebec River at Bingham, ME	01046500	2,715	c,e,r,o,n,b,s	1952-54 (3), 1966-78 (148)
Carrabassett River near North Anson, ME	01047000	353	c,e,n,r	1953-54 (2), 1961 (3)
Sandy River near Mercer, ME	01048000	516	c,e,n	1954 (2)
Kennebec River at Waterville, ME	01048500	4,228	e	1971 (1)
Sebasticook River near Pittsfield, ME	01049000	572	c,e,n	1952-53 (2)
Cobbosseecontee Stream at Gardiner, ME	01049500	217	c,e,n	1954-56 (3)
Kennebec River at Bath, ME	01059550	----	c,e,n	1957 (1)
Androscoggin River basin				
Diamond River near Wentworth Location, NH	01052500	152	c,e,n	1954 (2)
Androscoggin River at Errol, NH	01053500	1,046	c,e,n	1955 (1), 1958 (2)
Androscoggin River at Gilead, ME	01054250	1,525	c,e,r,p,n,b	1969-73 (15)

DISCONTINUED SURFACE-WATER QUALITY STATIONS--Continued**Discontinued surface-water quality sampling stations-Continued**

Station Name	Station Number	Drainage Area (mi ²)	Type of Record	Period of Record and (number of samples)
Androscoggin River basin--Continued				
Androscoggin River at Rumford, ME	01054500	2,068	c,e,n	1953 (2)
Swift River at Roxbury, ME	01055000	96.9	c,e,n	1956 (1)
Androscoggin River at Jay, ME	01055100	2,488	c,e,r,p,o,n,b	1973-74 (6)
Nezinscot River at Turner Center, ME	01055500	169	c,e,n,r	1955 (2), 1961 (3)
Little Androscoggin River near South Paris, ME	01057000	75.8	c,e,n	1958 (5)
Little Androscoggin River near Auburn, ME	01058500	328	c,e,n,s	1953 (2)
Androscoggin River near Auburn, ME	01059000	3,263	c,e,o,n,b,s	1952 (1), 1954 (2), 1956 (1), 1966-75 (117)
Androscoggin River at Brunswick, ME	01059400	3,434	c,e,o,n,b,s	1976-93 (130), 1995 (3)
Presumpscot River basin				
Presumpscot River at Outlet of Sebago Lake, ME	01064000	441	c,e,n	1953 (2), 1971 (1)
Presumpscot River near West Falmouth, ME	01064140	598	c,e,o,n,b,s	1973-74 (12), 1976-95 (99)
Presumpscot River at Martin Point Bridge, ME	01064150	647	c,e,r,p,o,n,b	1969-73 (15)
Portland Harbor near Fish Point, ME	01064160	---	c,e,r,p,o,n,b	1969-73 (15)
Portland Harbor at Four River Bridge, ME	01064170	---	c,e,r,p,o,n,b	1969-74 (18)
Saco River basin				
Ossipee River at Cornish, ME	01065500	452	c,e,n	1954 (2)
Little Ossipee River near South Limington, ME	01066500	168	c,e,n	1954-55 (2)
Saco River at Cornish, ME	01066000	1,293	c,e,o,n,b,s	1954 (2), 1975-95 (174)
Saco River at Salmon Falls, ME	01067500	1,593	c,e,n	1953-55 (5)
Mousam River basin				
Mousam River near West Kennebunk, ME	01069500	99.0	c,e,n	1953 (2)
Piscataqua River basin				
Salmon Falls River near South Lebanon, ME	01072500	140	c,e,n	1954-55 (2), 1958 (5)

^a Site not included in last systematic recomputation of drainage areas in Maine. Drainage area may conflict with other published information.

DISCONTINUED GROUND-WATER OBSERVATION WELLS

The following continuous-record ground-water observation wells in Maine have been discontinued. Records were collected and published for the period of record shown for each well.

Well Number	Local Number	County	Locality	Aquifer	Period of Record
440227070124101	ANW 1	Androscoggin	Auburn	Marine deposits - clay	1959-1976
440438070261601	ANW 986	"	Poland	Ice-contact deposits	1976-1983
440730070035303	ANW 988B	"	Sabattus	Ice-contact deposits	1976-1983
440730070035304	ANW 988C	"	Sabattus	Outwash	1976-1989
464619068280401	ARW 1	Aroostook	Portage Lake	Glacial till	1943-1983
464807068284401	ARW 1A	"	Portage Lake	Bedrock	1976-1991
455611068194601	ARW 2	"	Sherman Mills	Glacial till-bedrock	1943-1970 1975-1978
460657067512201	ARW 3	"	Houlton	Bedrock	1958-1975
460728067513201	ARW 61	"	Houlton	Ice-contact deposits	1980-1983
460855067552201	ARW 887	"	Ludlow	Glacial till	1976-1981
463642069344601	ARW 891	"	Clayton Lake	Seboomook Formation	1978-2000
464234068010401	ARW 895	"	Presque Isle	Ice-contact deposits	1986-2000
464018068010101	ARW 904	"	Presque Isle	Bedrock	1986-1987
464239067574401	ARW 905	"	Presque Isle	Bedrock	1986-1990
464303067592201	ARW 907	"	Presque Isle	Glacial Till	1986-1991
435902070171301	CW 1382	Cumberland	New Gloucester	Glacial Till	1989-2000
435653070201801	CW 1383	"	New Gloucester	Glacial sand and gravel	1981-1982 1989-2000
451128070280301	FW 893	Franklin	Eustis	Glacial sand and gravel	1985-2000
443831070002601	FW 901	"	New Sharon	Glacial Till	1987-2000
450539070301301	FW 908	"	Stratton	Glacial Till	1990-2000
444950068220601	HW 1	Hancock	Amherst	Glacial Till	1943-1991
441440068182701	HW 137	"	Southwest Harbor	Bedrock	1981-2000
442023069553801	KW 88	Kennebec	East Winthrop	Bedrock	1967-1983
441533069452401	KW 881	"	Augusta	Glacial Till	1987-2000
442233069490701	KW 882	"	Augusta	Glacial sand and gravel	1989-2000
444637070552301	OW 400	Oxford	Middle Dam	Glacial till	1944-1992
441507070310201	OW 413	"	South Paris	Outwash	1976-1978
440642070583401	OW 615	"	Fryeburg	Outwash	1978-1991
440642070583402	OW 615A	"	Fryeburg	Outwash	1989-2000
442515070481001	OW 616	"	Bethel	Outwash	1978-1989
442515070481002	OW 616A	"	Bethel	Outwash	1989-2000
444720068523001	PEW 33	Penobscot	Hermon	Bedrock	1958-1960
444953068424701	PEW 401	"	Veazie	Ice-contact deposits	1963-1967
451047068512201	PEW 455	"	Lagrange	Glacial till	1975-1983
451955068344501	PEW 457	"	South Lincoln	Ice-contact deposits	1982-1989
452829069322101	PIW 2	"	Greenville Junction	Glacial Till	1988-2000

DISCONTINUED GROUND-WATER OBSERVATION WELLS--Continued

Well Number	Local Number	County	Locality	Aquifer	Period of Record
444219069545801	SMW 1	Somerset	Mercer	Eolian deposits	1943-1983
450234069525701	SMW 48	"	Bingham	Ice-contact deposits	1981-1983
454105070170201	SMW 49	"	Dennistown	Glacial till	1981-1983
454105070170202	SMW 49A	"	Dennistown	Glacial till	1981-1983
442858068593201	WOW 78	Waldo	Belfast	Ice-contact deposits	1981-1983
442858068593202	WOW 79	"	Belfast	Ice-contact deposits	1981-1983
443407069020901	WOW 82	"	Monroe	Glacial sand and gravel	1989-2000
442822069080901	WOW 84	"	Morrill	Glacial till	1989-1991
444240067283501	WW 1	Washington	Machias	Bedrock	1958-1983
444950067000501	WW 2	"	Lubec	Terminal moraine deposits	1958-1983
443754067384401	WW 901	"	Carr Hill	Ice-contact deposits - till	1985-1988
444500068011601	WW 921	"	Deblois	Glacial till	1988-1991
444526068013301	WW 922	"	Deblois	Glacial till	1987-1999
434822070482501	YW 1	York	Cornish	Outwash	1943-1983
432611070404601	YW 834	"	South Sanford	Glacial sand and gravel	1989-1991

DISCONTINUED PRECIPITATION STATIONS

The following continuous-record precipitation stations in Maine have been discontinued. Records were collected and published for the period of record shown for each station.

Station Name	Station Number	Period of Record (water year)
Wild River Precipitation at Beans Purchase, NH	441852071033101	1990-1994
Crooked River Precipitation near Naples, ME	01063100	2000
Shirley Precipitation near Lower Shirley Corner, ME	452031069352101	1997-2000

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources of Maine each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Maine." This report series includes records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; water levels and water quality of ground-water wells; precipitation quantity; and snow quantity. This volume contains records for water discharge at 62 gaging stations, gage-height at 6 gaging stations, water quality data at 5 gaging stations, water levels at 23 observation wells, precipitation totals for 15 sites, and snow quantity for 80 sites. Locations of these sites are shown on figures 1, 2, 3, and 4. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as special study data. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Maine.

This series of annual reports for Maine began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1965 water year, the report included data relating to water quality. Beginning with the 1968 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Maine were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface Water Supply of the United States, Part 1A." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States." Records of ground water levels for the 1935 through 1955 water years were published under the title "Water Levels and Artesian Pressures in Observation Wells in the United States" and from 1956 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States or may be purchased from Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, CO 80225.

Publications similar to this report are published annually by the U.S. Geological Survey for all States. These reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and

the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report ME-04-1." These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the District Office at the address given on the back of the title page or by telephone (207) 622-8201.

Data published in these water-data reports are also available at the USGS homepage:

<http://me.water.usgs.gov>

COOPERATION

The U.S. Geological Survey and organizations of the State of Maine have had cooperative agreements for the systematic collection of surface-water records since 1909, and for water-quality and ground-water records since 1957. Organizations that assisted in collecting the data in this report through cooperative agreement with the Survey are:

Houlton Band of Maliseet Indians
Brenda Commander, Tribal Chief
Houlton Water District
John Clark, General Manager
Maine Atlantic Salmon Commission
Patrick Keliher, Executive Director
Maine Department of Conservation,
Patrick K. McGowan, Commissioner
Maine Department of Defense, Veterans and Emergency
Management,
John Libby, Commissioner
Maine Department of Environmental Protection
Dawn R. Gallagher, Commissioner
Maine Department of Transportation,
David Cole, Commissioner
Passamaquoddy Tribe
Richard Doyle, Tribal Officer
Piscataquis County
E. DeWitt, Chair, County Commissioners
Town of Jay,
R.. Marden, Town Manager
Town of Windham,
A. Plante, Town Manager
Town of Yarmouth
N. Tupper, Town Manager
University of Maine,
P. Hoff, President

Assistance with funds or services was given by the U.S. Department of State in collecting records for 2 gaging stations and 1 water-quality station.

The following organizations contributed funds and services through the requirements of the Federal Energy Regulatory Commission:

MeadWestvaco Corp.
Ridgewood Renewable Power
FPL Energy - Maine
Domtar Incorporated
Kennebec Water Power Company
Penobscot Hydro
SAPPI Fine Paper



Figure 1. Location of active surface-water and water-quality gaging stations.

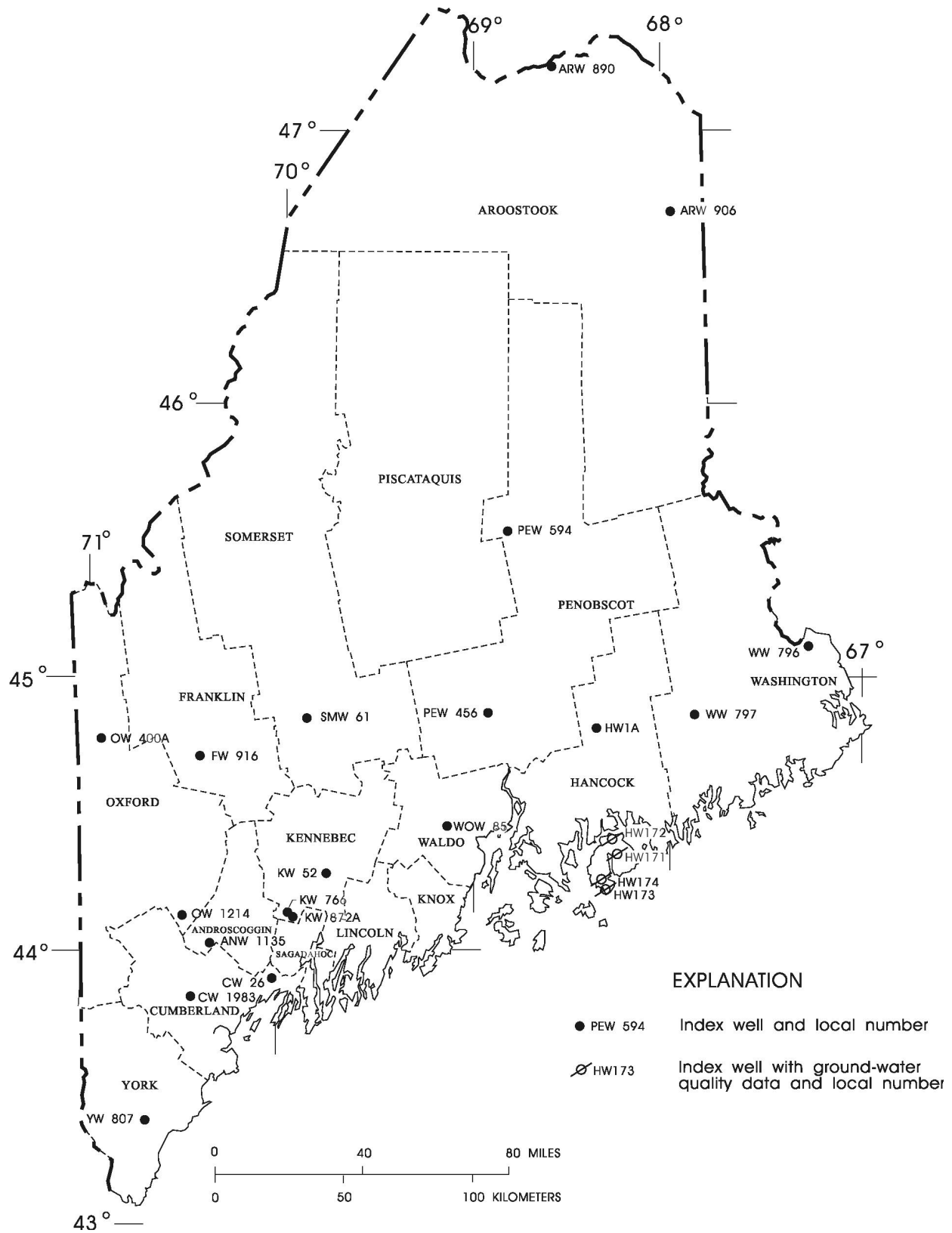


Figure 2. Location of active ground-water data-collection stations.

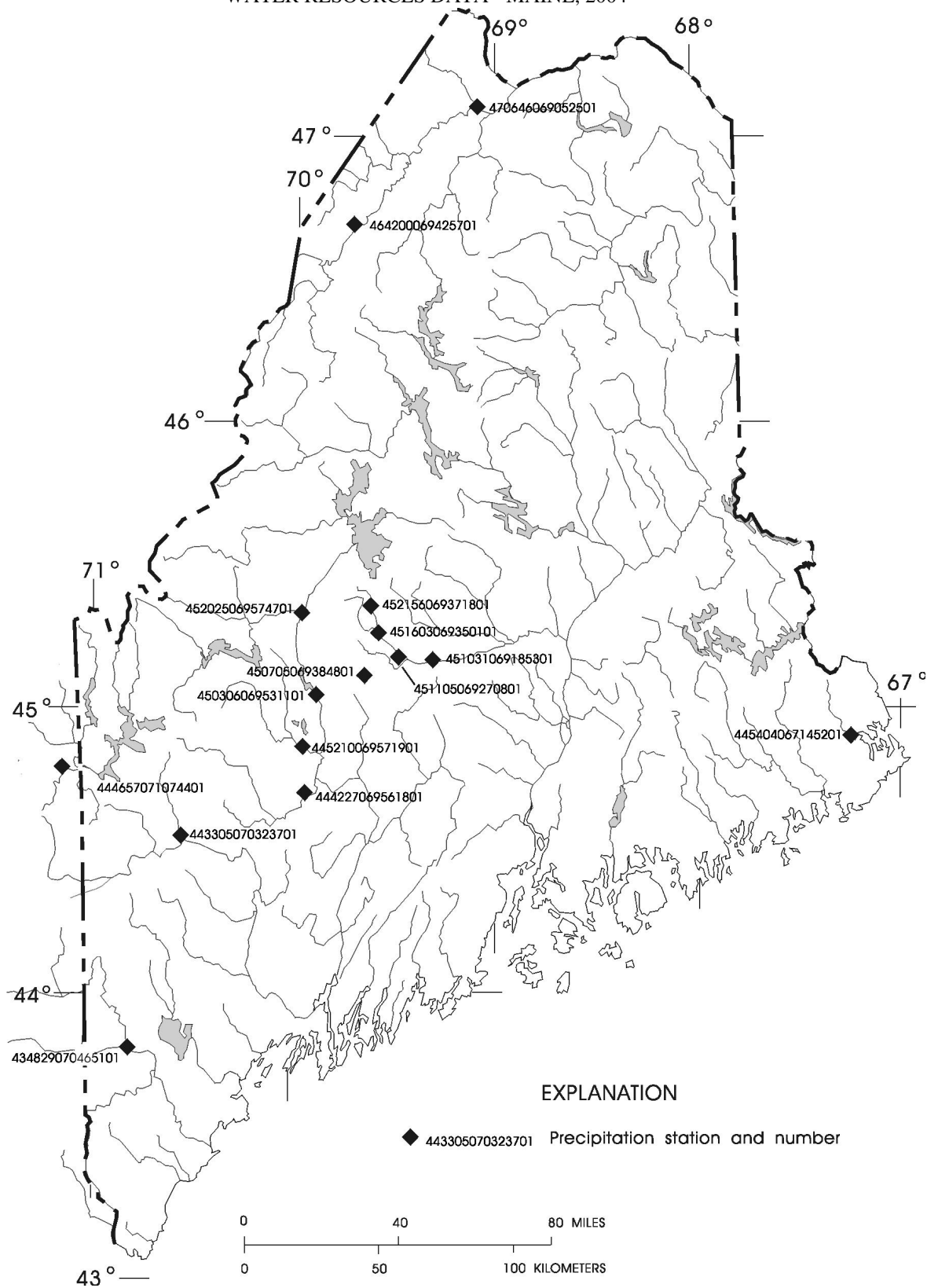


Figure 3. Location of active precipitation-quantity stations.

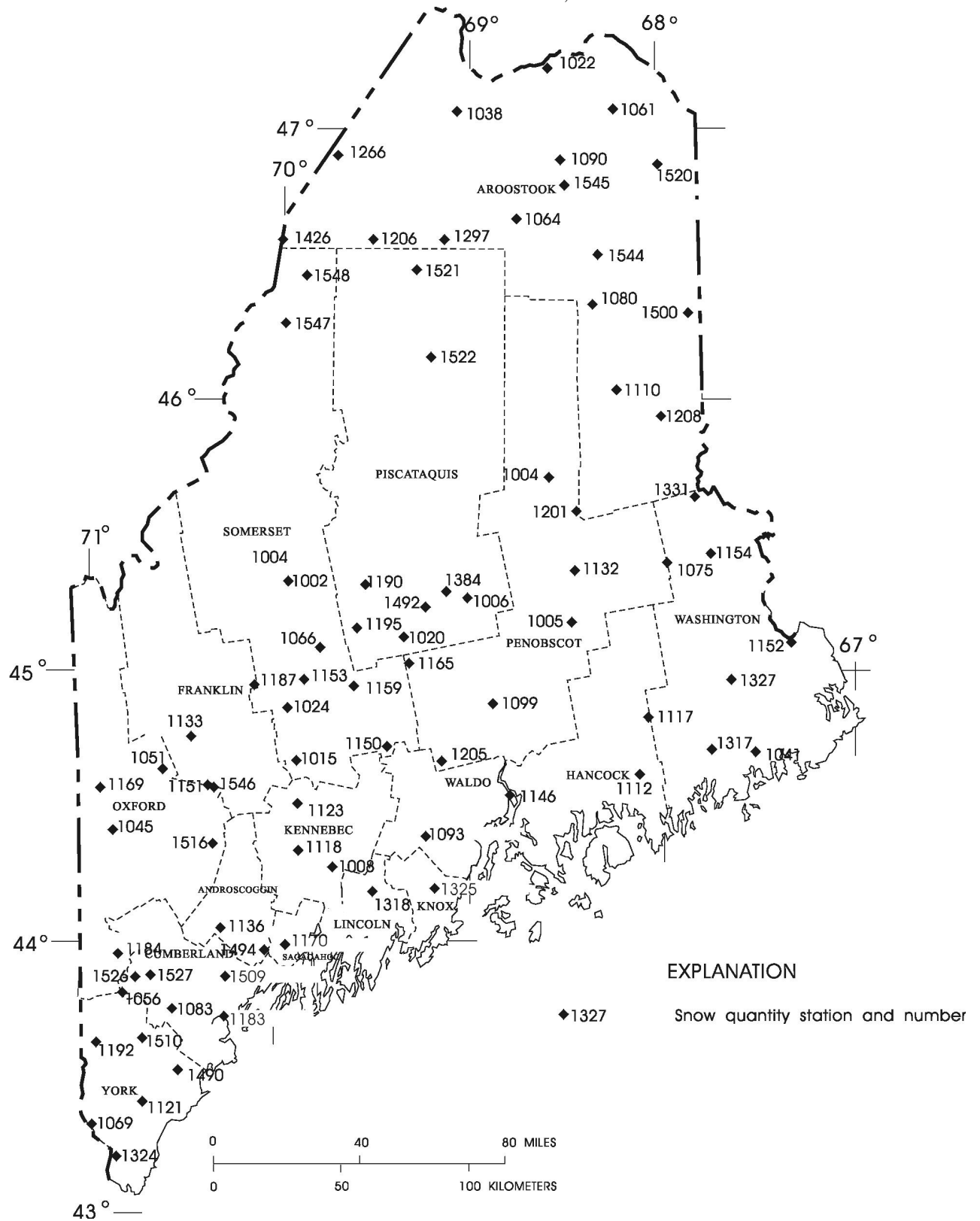


Figure 4.--Location of active snow-quantity stations.

Organizations that provided data are acknowledged in station descriptions.

On waters adjacent to the international boundary, certain gaging stations are maintained by the United States (or Canada) under agreement with Canada (or the United States) and records are obtained and compiled in a manner equally acceptable to both countries. These stations are designated herein as “International gaging stations”.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Runoff for the 2004 water year was characterized by flows in the normal to above normal range throughout Maine (above normal refers to the upper 25 percent of the record, below normal refers to the lower 25 percent of the record, and normal refers to the middle 50 percent of the record). Annual runoff was in the below normal range at 23 of 43 sites and above normal range at 20 sites. Sites in the above normal range were primarily in the northwestern portion of the state. The 2004 monthly and annual mean discharges and the median monthly and annual discharges for the 1971-2000 reference period are shown in figure 5 for three long-term index stations. Monthly runoff conditions for Maine are summarized in figure 6. These maps show the area of normal, above-normal, and below-normal runoff for each month and are based on records for many of the streamflow gaging stations contained in this report. Additional statistics for each gaging station are provided with the tables of daily mean discharge.

Floods and Droughts

Significant, wide-spread flooding did not occur during the 2004 water year in Maine. Annual peak flows had less than a 2-year recurrence interval at 19 sites, a 2-year to 5-year recurrence interval at 14 sites and a 5-year to 10-year recurrence interval at 7 sites. The greatest recurrence interval peak flows were in the Androscoggin basin in the western portion of the state and in the Kennebec basin in the central portion of the state.

Minimum flows at most sites occurred in early to mid October 2003, late February to early March, or late June to early July, 16 sites with more than 20 years of record, that are not affected by regulation, were analyzed for the low flow recurrence interval of the 1-day low flow. The 1-day low-flow recurrence interval is the average time interval between daily flows equal or less than a given flow. Minimum flows had a 1.01-year to 1.25-year recurrence interval at all 16 sites.

Reservoir Storage

Usable surface-water storage in five reservoir systems representing the St. Croix, Penobscot, Kennebec,

Androscoggin, and Presumpscot River basins in Maine, as reported by river basin managers, totaled 99.164 billion cubic feet (ft³) at the beginning of the water year; this volume is 59 percent of capacity and is below the long-term average storage for the beginning of the water year (table 1). The minimum month-end storage during water year 2004 occurred at the end of March when storage was 65.550 billion ft³. The maximum month-end storage during water year 2004 occurred at the end of November and June, when storage was 133.711 billion ft³. Usable storage at the end of the water year was 110.930 billion ft³ (66 percent of capacity and below the long-term average).

Table 1. Total usable storage in five Maine reservoir systems for the 2004 water year, expressed as percent of total capacity of 168.075 billion cubic feet

Month	Storage at month end (percent)	Long-term average (percent)
September	59	65
October	66	56
November	81	59
December	86	59
January	71	51
February	50	43
March	39	40
April	72	71
May	81	89
June	78	87
July	76	79
August	75	69
September	66	65

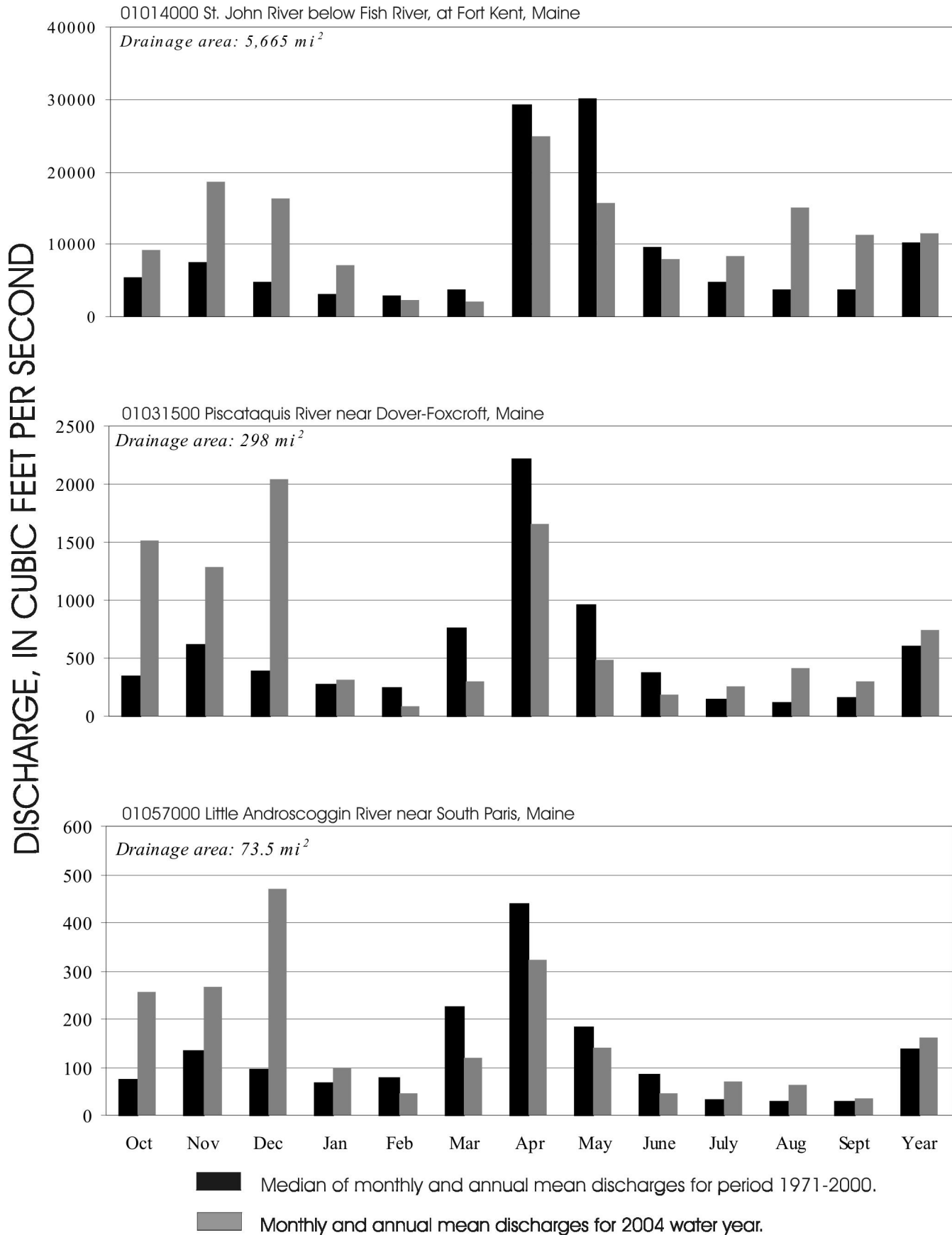


Figure 5.-- Comparison of monthly mean discharges at three long-term gaging stations during 2004 water year with median monthly discharges for period 1971-2000.

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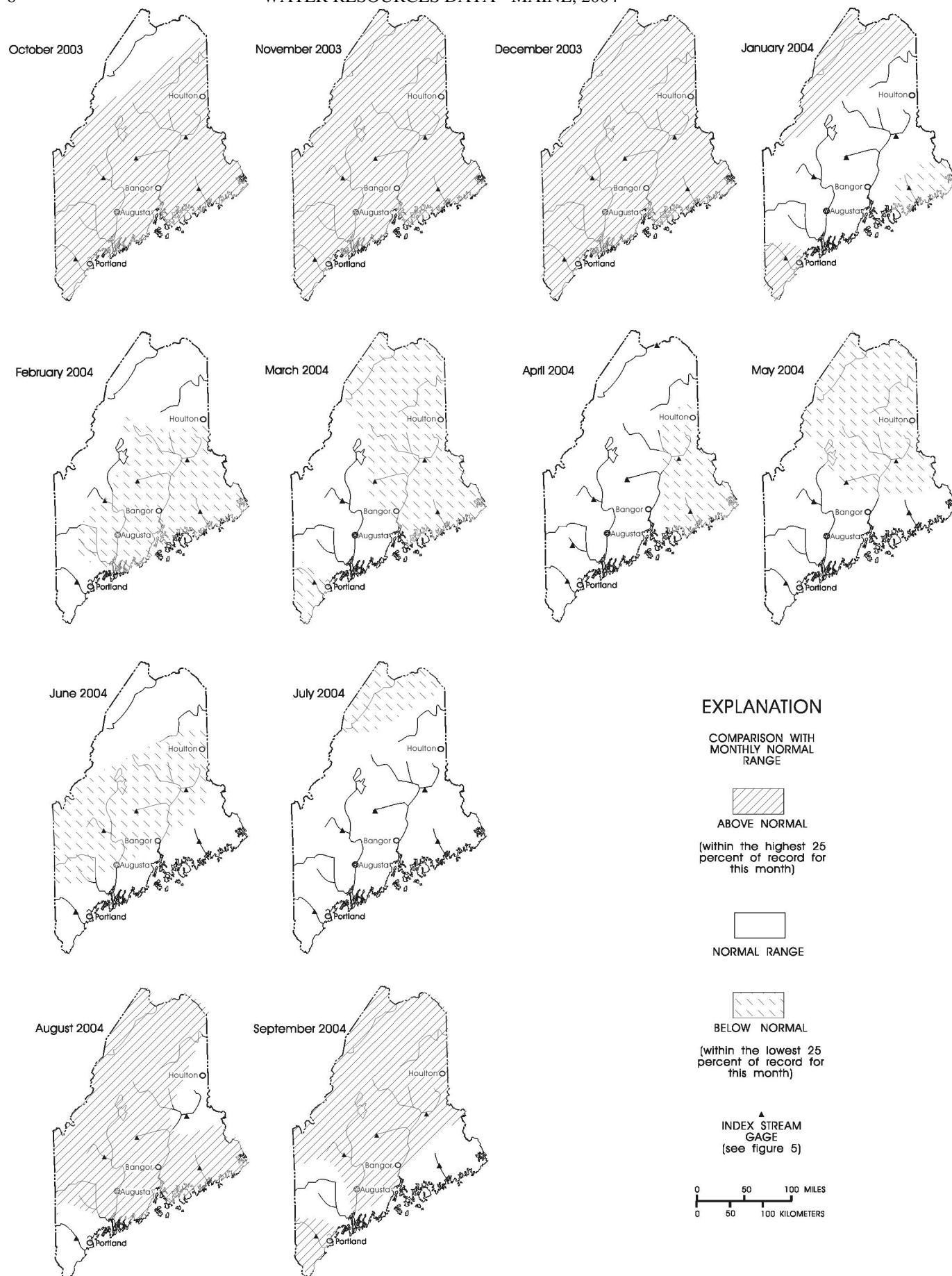


Figure 6.--Monthly surface-water conditions during the 2004 water year in Maine.

Water Quality

Five continuous recording monitoring stations were operated in water year 2004. Two stations recorded water temperature only. Three stations recorded specific conductance, water temperature, dissolved oxygen (at two stations) and pH (at two stations).

Water samples were collected at four bedrock wells in Hancock county, on Mount Desert Island. Water samples were collected at 20 wells in a sand and gravel aquifer as part of an ongoing cooperative monitoring program with the town of Windham. Water samples also were collected at the gaging station on the Wild River at Gilead (see "Special Networks and Programs" below).

Ground-Water Levels

The ground-water observation well network consisted of 23 wells during the 2004 water year. Month-end ground-water level conditions for Maine are summarized in figure 7.

Record high ground-water levels were recorded during the water year at wells FW 916 and HW 1A on December 26-27, 2003 and November 22, 2003 respectively. Four new wells were drilled in Hancock county in the fall of 2003. All other levels were within the previous extremes for wells where continuous data have been collected for at least 10 years.

SPECIAL NETWORKS AND PROGRAMS

The Hydrologic Bench-Mark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities. The gaging station on the Wild River at Gilead (01054200) is in this network.

The Statewide Cooperative Snow Survey involves international, Federal and State agencies and private companies. Approximately 217 snow courses have been established in Maine and adjacent parts of New Brunswick, Quebec and New Hampshire. This report presents data from 79 of these sites collected by the U.S. Geological Survey and cooperative observers. Additional information, including state snow maps and data, can be obtained from the USGS Augusta office.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 2004 water year that began October 1, 2003, and ended September 30, 2004. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage data for streams,

water-quality data for surface water and ground-water, ground-water level data, precipitation quantity, and snow quantity. The locations of the stations and wells where the data were collected are shown in figures 1, 2, 3, and 4. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether stream site, well, precipitation station, or snow station in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water and co-located precipitation stations and the "latitude-longitude" system is used for wells, snow stations, and precipitation stations which are not located at surface-water stations.

Downstream Order System

Since October 1, 1950, the order of listing hydrologic station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a mainstream station are listed before that station. A station on a tributary that enters between two mainstream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary with respect to the stream to which it is immediately tributary is indicated by an indention in the "List of Stations" in the front of this report. Each indention represents one rank. This downstream order and system of indention shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete eight-digit number for each station, such as 01031500, which appears just to the left of the station name, includes the two-digit Part number "01" plus the six-digit downstream-order number "031500." The Part number designates the major river basins; for example, Part "01" is for the North Atlantic Slope basins.

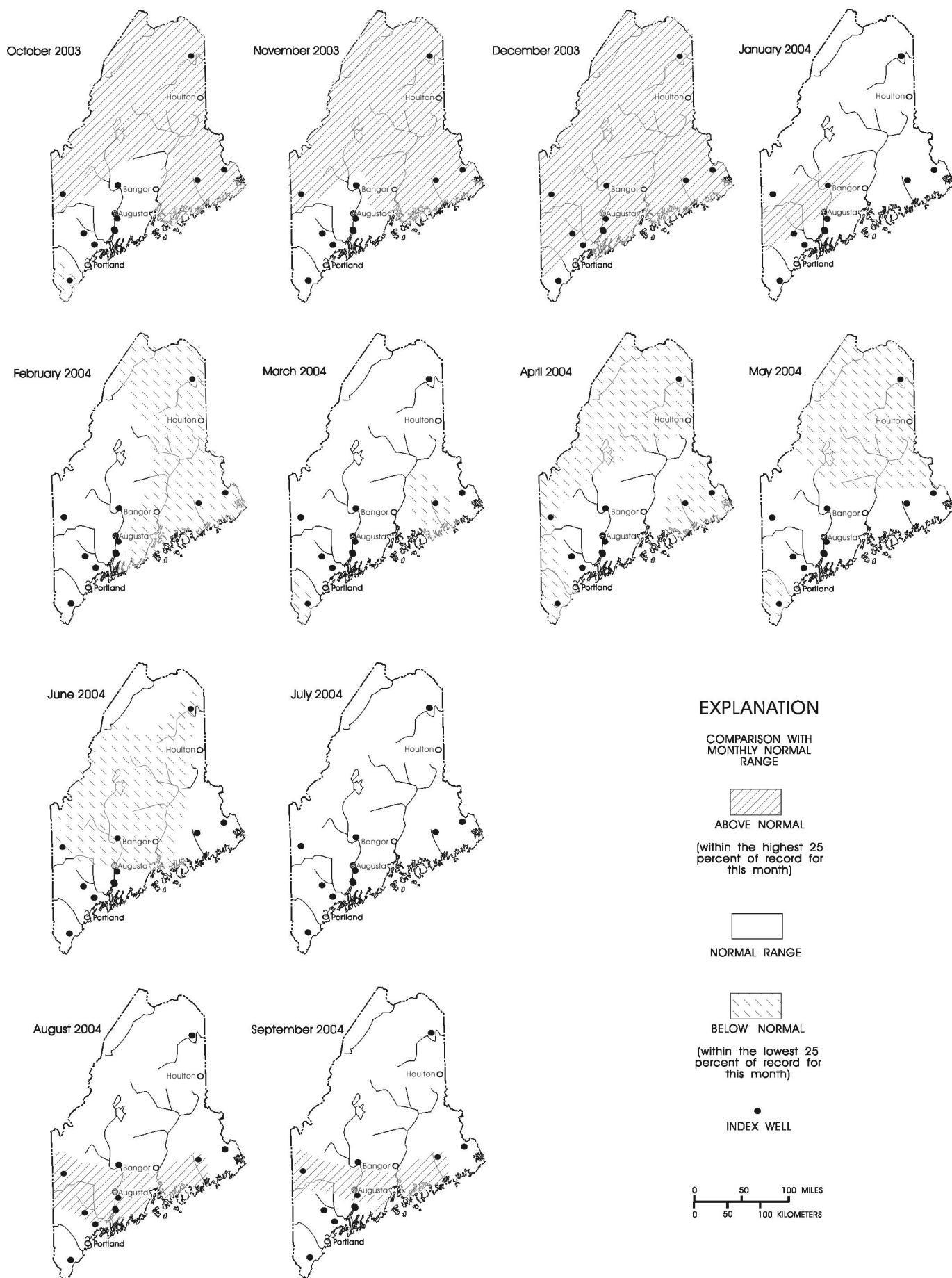


Figure 7.--Month-end ground-water conditions during the 2004 water year in Maine.

Latitude-Longitude System

The identification numbers for wells, snow sampling, and precipitation stations which are not located at surface-water stations are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid (figure. 8). This site-identification number, once assigned, is a pure number and has no locational significance. In the rare instance where the initial determination of latitude and longitude are found to be in error, the station will retain its initial identification number; however, its true latitude and longitude will be listed in the LOCATION paragraph of the station description. The latitude and longitude are presented in North American Datum of 1983 (NAD83) for all sites unless noted. Prior to 2004 locations were presented in North American Datum of 1927 (NAD27).

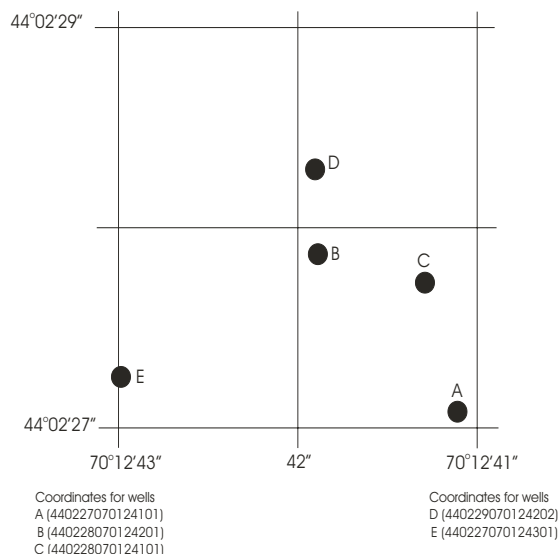


Figure 8.--System for numbering wells and special study sites (latitude and longitude).

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake or reservoir content, similarly, are those for which stage or content may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a continuous stage-recording device, but need not be. Because daily mean discharges and end-of-day contents commonly are published for such stations, they are referred to as "daily stations."

By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all complete-record stations for which data are given in this report are shown in figure 1.

Data Collection and Computation

The data obtained at a complete-record gaging station on a stream or canal consist of a continuous record of stage, individual measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationships between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data obtained at a complete-record gaging station on a lake or reservoir consist of a record of stage and of notations regarding factors that may affect the relation between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Continuous records of stage are obtained with electronic data loggers which collect, store, and transmit data via satellite. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, Water-Supply Paper 2175, and U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI's), Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

In computing discharge records, results of individual measurements are plotted against the corresponding stages, and stage-discharge relation curves are then constructed. From these curves, rating tables indicating the approximate discharge for any stage within the range of the measurements are prepared. If it is necessary to define extremes of discharge outside the range of the current-meter measurements, the curves are extended using: (1) logarithmic plotting; (2) velocity-area studies; (3) results of indirect measurements of peak discharge, such as slope-area or contracted-opening measurements, and computations of flow over dams or weirs; or (4) step-backwater techniques.

Daily mean discharges are computed by applying the stages (gage heights) to the stage-discharge curves or tables. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by

the shifting-control method, in which correction factors based on the individual discharge measurements and notes of the personnel making the measurements are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control. For many stations, formation of ice in the winter may so obscure the stage-discharge relations that daily mean discharges must be estimated from other information such as temperature and precipitation records, notes of observations, discharge measurements, and records for other stations in the same or nearby basins for comparable periods.

At some stream-gaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

In computing records of lake or reservoir contents, it is necessary to have available from surveys, curves or tables which define the relationship between stage and content. The application of stage to the stage-content curves or tables gives the contents from which daily, monthly, or yearly changes then are determined. Periodic resurveys may be necessary to determine if the stage-content relationship changes because of deposition of sediment in a lake or reservoir. Even when this is done, the contents computed may become increasingly in error as the lapsed time since the last survey increases. Discharges over lake or reservoir spillways are computed from stage-discharge relation much as other stream discharges are computed.

For some gaging stations, there are periods when no gage-height record is obtained, or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated from the recorded range in stage, previous or following record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise, daily contents may be estimated from operator's logs, previous or following record, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

The records published for each continuous-record surface-water discharge station (gaging station) consist of five parts, the manuscript or station description; the data table of daily mean values of discharge for the current water year with summary data; a tabular statistical summary of monthly mean flow data for a designated period, by water year; a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration; and a hydrograph of the daily mean values of discharge for the current water year.

Station manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments to follow clarify information presented under the various headings of the station description.

LOCATION.--Information on latitude and longitude are presented in North American Datum of 1983 (NAD83), unless otherwise noted, and obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council.

DRAINAGE AREA.--Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.--This indicates the period for which there are published records for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not, and whose location was such that records from it can reasonably be considered equivalent with records from the present station.

REVISED RECORDS.--Published records, because of new information, occasionally are found to be incorrect, and revisions are printed in later reports. Listed under this heading are all the reports in which revisions have been published for the station and the water years to which the revisions apply. If a revision did not include daily, monthly, or annual figures of discharge, that fact is noted after the year dates as

follows: “(M)” means that only the instantaneous maximum discharge was revised; “(m)” that only the instantaneous minimum was revised; and “(P)” that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is given.

GAGE.--The type of gage in current use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see glossary), and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.--All periods of estimated daily-discharge record will either be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily-discharge table. (See next section, “Identifying Estimated Daily Discharge.”) If a REMARKS statement is used to identify estimated record, the paragraph will begin with this information presented as the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, and purpose and use of the reservoir.

COOPERATION.--Records provided by a cooperating organization or obtained for the Geological Survey by a cooperating organization are identified here.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the U.S. Geological Survey.

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the

highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

REVISIONS.--If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because, for these stations, there would be no current or, possibly, future station manuscript published to document the revision in a “Revised Records” entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the offices whose addresses are given on the back of the title page of this report to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the data would be current and there would be no need to check because any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the “Remarks” and in the inclusion of a skeleton stage-capacity table when daily contents are given.

Data table of daily mean values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed “TOTAL” gives the sum of the daily figures for each month; the line headed “MEAN” gives the average flow in cubic feet per second for the month; and the lines headed “MAX” and “MIN” give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line head “CFSM”); or in inches (line headed “IN”). Figures for cubic feet per second per square mile and runoff in inches may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas.

Statistics of monthly mean data

A tabular summary of the mean (line headed “MEAN”), maximum (line headed “MAX”), and minimum (line headed “MIN”) of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as

“FOR WATER YEARS ____ - ____, BY WATER YEAR (WY),” and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

A table titled “SUMMARY STATISTICS” follows the statistics of monthly mean tabulation. This table consists of four columns, with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, “WATER YEARS ____ - ____”, will consist of all of the station record within the specified water years, inclusive, including months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the “ANNUAL 7-DAY MINIMUM” statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrence may be noted in the EXTREMES FOR PERIOD OF RECORD or EXTREMES FOR CURRENT YEAR paragraphs of the manuscript. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When this occurs, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff are also given. Runoff data may be omitted if there is extensive regulation or diversion of flow in the drainage basin.

The following summary statistics data, as appropriate, are provided with each continuous record of discharge. Comments to follow clarify information presented under the various line headings of the summary statistics table.

ANNUAL TOTAL.--The sum of the daily mean values of discharge for the year.

ANNUAL MEAN.--The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

HIGHEST ANNUAL MEAN.--The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.--The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.--The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.--The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.--The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic).

INSTANTANEOUS PEAK FLOW.--The maximum instantaneous discharge occurring for the water year or for the designated period. Note that secondary instantaneous peak discharges above a selected base discharge are stored in District computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the District Office. (See address on back title page of this report.)

INSTANTANEOUS PEAK STAGE.--The maximum instantaneous stage occurring for the water year or for the designated period. If the dates of occurrence for the instantaneous peak flow and instantaneous peak stage differ, the EXTREMES FOR PERIOD OF RECORD or EXTREMES FOR CURRENT YEAR paragraphs of the manuscript may be used to provide further information.

INSTANTANEOUS LOW FLOW.--The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.--Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES) indicates the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.--The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.--The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.--The discharge that has been exceeded 90 percent of the time for the designated period.

Hydrograph

The hydrograph gives a graphical presentation of the mean discharge for each day of the water year. Where possible, the same scale is used between gaging stations in order to facilitate visual comparison.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified by flagging individual daily values with the letter symbol "e" and printing a table footnote, "e Estimated."

Accuracy of the Records

The accuracy of streamflow records depends primarily on: (1) The stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements; and (2) the accuracy of measurements of stage, measurements of discharge, and interpretation of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of their true values; "good," within 10 percent; and "fair," within 15 percent. Records that do not meet the criteria mentioned are rated "poor." Different accuracies may be attributed to different parts of a given record.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 ft³/s; to the nearest tenth between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures for more than 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value.

Discharges listed for partial-record stations and special study sites are given to the nearest hundredth of a cubic foot per second for values less than 10 ft³/s and to 3 significant figures for more than 10 ft³/s. Exceptions are made for discharge measurements made with volumetric techniques (see TWRI, Book 3, Chapter A8) and flume techniques (see TWRI, Book 3, Chapter A14) which are given to the nearest thousandth of a cubic foot per second for values less than 0.10 ft³/s. Measurements made using volumetric techniques are footnoted in the table of special study measurements.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of

diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, figures of cubic feet per second per square mile and of runoff, in inches, are not published unless satisfactory adjustments can be made for diversions, for changes in contents to reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Special Study Records

Data collected at special study sites are presented in a table following the information for continuous sites. This table summarizes discharge measurements made at sites other than continuous-record sites.

Other Records Available

Information used in the preparation of the records in this publication, such as discharge-measurement notes, gage-height records, temperature measurements, and rating tables are on file in the Maine District Office. Also, most of the daily mean discharges are in computer readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the Maine District Office.

Records of Surface-Water Quality

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because interpretation of records of surface-water quality nearly always requires corresponding discharge data. Records of surface-water quality in this report may involve a variety of types of data and measurement frequencies.

Classification of records

Water-quality data for surface-water sites are grouped into one of three classifications. A **continuing-record station** is a site where data are collected on a regularly scheduled basis. Frequency may be once or more times daily, weekly, monthly, or quarterly. A **partial-record station** is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A **special study sampling site** is a location other than a continuing or partial-record station where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between “continuing **records**”, as used in this report, and “continuous **recordings**,” which refers to a continuous graph or a series of discrete values recorded at short intervals. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently. In this report, continuing-record stations where data are collected on a continuous basis are referred to as **continuous-recording stations**. Locations of stations for which records on the quality of surface water appear in this report are shown in figure 1.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, and extremes for parameters currently measured daily. Tables of water-quality data, including chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of “daily values” of specific conductance, pH, water temperature, and dissolved oxygen data from water-quality monitor recorders follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the **LOCATION** nor the **DRAINAGE AREA** statements are repeated. The following information, as appropriate, is provided with each continuing-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.--See Data Presentation under “Records of Stage and Water Discharge;” same comments apply.

DRAINAGE AREA.--See Data Presentation under “Records of Stage and Water Discharge;” same comments apply.

PERIOD OF RECORD.--This indicates the periods for which there are published water-quality records for the station. The periods are shown separately for records of parameters measured daily or continuously and those

measured less than daily. For those measured daily or continuously, periods of daily record are given for the parameters individually.

INSTRUMENTATION.--Information on instrumentation is given only if a water-quality monitor, or temperature recording device is in operation at a station.

REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. Extremes are provided for both the period of daily record and for the current water year. If a value from a special study measurement from outside the period of daily record has higher maximum or lower minimum, that value is reported in a descriptive heading for extremes outside the period of daily record.

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, NWIS, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

The surface-water-quality records for special study sampling sites are published in separate tables following the table of discharge measurements at special study sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Table 2. Rating continuous water-quality records.

[≤, less than or equal to; ±, plus or minus value shown; °C, degree Celsius; >, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit; Table from: Wagner, R. J., Matraw H. C., Ritz G. F., and Smith B. A., 2000, *Guidelines and Standard Procedures for Continuous Water-Quality Monitors: Site Selection, Field Operation, Calibration, Record Computation, and Reporting*, U. S. Geological Survey, Water-Resources Investigation Report 00-4252, page 23.]

Measured physical property	Ratings			
	Excellent	Good	Fair	Poor
Water temperature	≤ ± 0.2 °C	> ± 0.2 to 0.5 °C	> ± 0.5 to 0.8 °C	> ± 0.8 °C
Specific conductance	≤ ± 3%	> ± 3 to 10%	> ± 10 to 15%	> ± 15%
Dissolved oxygen	≤ ± 0.3 mg/L	> ± 0.3 to 0.5 mg/L	> ± 0.5 to 0.8 mg/L	> ± 0.8 mg/L
pH	≤ ± 0.2 unit	> ± 0.2 to 0.5 unit	> ± 0.5 to 0.8 unit	> ± 0.8 unit

Accuracy of the Records

The accuracy attributed to the records is indicated under "REMARKS." The values for rating each physical property are listed in table 2.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

Printed Output	Remark
E	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Records of Ground-Water Levels

Only water-level data from a national network of observation wells are given in this report. These data are intended to provide a sampling and historical record of water-level changes in the Nation's most important aquifers. Locations of the observation wells in this network in Maine are shown in figure 2.

Data Collection and Computation

Measurements of water levels are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well ensure that measurements at each well are of consistent accuracy and reliability.

Tables of water-level data are presented by counties arranged in alphabetical order. The primary identification number for a given well is the 15-digit number that appears in the upper left corner of the table. The secondary identification number is the local well number, an alphanumeric number, composed of an abbreviation of the county name and sequential number.

Water-level records are obtained from direct measurements with a steel or electric tape or from the electronic water-stage recorders. The water-level measurements in this report are given in feet with reference to land-surface datum (lsd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the elevation of the land-surface datum is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Daily-mean water levels are reported for wells equipped with recording gages.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error of determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water, the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given to a tenth of a foot.

Data Presentation

Each well record consists of three parts: The station description, data table of water levels observed during the water year, and a hydrograph of water levels observed during the past decade. The description of the well is presented first, through use of descriptive headings, preceding the tabular data. The comments to follow clarify information presented under the various headings.

LOCATION.--This paragraph follows the well-identification number and reports the latitude and longitude (given in degrees, minutes, and seconds); the hydrologic-unit number; the distance and direction from a geographic point of reference; and the owner's name.

AQUIFER.--This entry designates by name (if a name exists) and geologic age (if known) the aquifer(s) open to the well.

WELL CHARACTERISTICS.--This entry describes the well in terms of depth, diameter, casing depth and/or screened interval.

INSTRUMENTATION.--This paragraph provides information on both the frequency of measurement and the collection method used, allowing the user to better evaluate the reported water-level extremes by knowing whether they are based on weekly, monthly, or some other frequency of measurement. It is also used to identify wells measured by local (non-Survey) observers.

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on) and in relation

to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929); it is reported with a precision depending on the method of determination.

REMARKS.--This entry describes factors that may influence the water level in a well or the measurement of the water level. It should identify wells that also are water-quality observation wells.

REVISIONS.--This entry lists the reports in which revised water-level data have been published, each followed by the water years for which figures were revised.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the well. It reports the month and year of the start of publication of water-level records by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year. Periods for which water-level records are available, but are not published by the Geological Survey, may be noted.

EXTREMES FOR PERIOD OF RECORD.--This entry contains the highest and lowest water levels of the period of published record, with respect to land-surface datum, and the dates of their occurrence.

A table of water levels follows the station description for each well. Water levels are reported in feet below land-surface datum. Direct measurements obtained with a steel tape are listed. For wells equipped with recorders, tables of daily-mean water levels are published. The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the daily-mean table. Because all values are not published for wells with recorders (hourly values are not published but are available in the files of the Geological Survey) the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level.

A hydrograph of water levels observed during the past decade follows the table of water levels for each well. The water levels presented are referenced to both the land-surface datum at the site and to the NGVD of 1929. Because all values are not used to produce the hydrographs, the extremes listed in the station description may not be reflected in the hydrographs. Periods of missing records are indicated by blank spaces in the hydrograph.

Records of Ground-Water Quality

Water samples were collected at four observation bedrock wells, three domestic bedrock wells, one public supply well, and twenty observation wells in a sand and gravel aqui-

fer. Samples were analyzed at the Geological Survey laboratory in Lakewood, Colorado.

Classification of records

Classification of ground-water quality records are arranged as described in "Records of Surface-Water Quality", located in this report.

Arrangement of Records

Water-quality records collected at a ground-water daily record station are published immediately following that record, except for one site, CW 1983, which is included with 19 other sites in the "Ground-Water Quality Analyses at Special Study Stations" section in this report. Station number and name are the same for both records.

Laboratory Measurements

Samples were analyzed in the U. S. Geological Survey laboratory in Lakewood, Colorado. Methods used by the U.S. Geological Survey laboratory are given in Fishman, M.J., 1993, Methods of analysis by the U. S. Geological Survey National Water Quality Laboratory--Determination of inorganic and organic constituents in water and fluvial sediments: U.S. Geological Survey Open-File Report 93-125.

Analyses of Wastewater-Related Compounds in ground-water samples (schedule 1433)

Selected ground-water samples were analyzed for wastewater related compounds on schedule 1433 during the 2003 and 2004 water years. This table lists the compounds on the schedule, the unit of measure (micrograms per liter, $\mu\text{g/L}$) the U.S. Geological Survey National Water Information System parameter code, the Union of Pure and Applied Chemistry (IUPAC) compound name, and the laboratory reporting level (LRL). Only compounds measured at or above the minimum reporting level are listed in the water-quality tables.

PCode	Compound name	LRL ($\mu\text{g/L}$)
62005	Cotinine	1
62052	Ethynyl estradiol	5
62063	5-Methyl-1H-benzotriazole	2
62066	Anthraquinone	0.5
62064	Acetophenone	0.5
62065	Acetyl hexamethyl tetrahydronaphthalene (AHTN)	0.5
34221	Anthracene	0.5
34572	1,4-Dichlorobenzene	0.5
34248	Benzo[a]pyrene	0.5
62067	Benzophenone	0.5
04029	Bromacil	0.5
34288	Bromoform	0.5
62059	3-tert-Butyl-4-hydroxy anisole (BHA)	5
50305	Caffeine	0.5
62070	Camphor	0.5
82680	Carbaryl	1
62071	Carbazole	0.5

PCode	Compound name	LRL (µg/L)
38933	Chlorpyrifos	0.5
62072	Cholesterol	2
62057	3-beta-Coprostanol	2
62078	Isopropylbenzene	0.5
62082	N,N-diethyl-meta-toluamide (DEET)	0.5
39572	Diazinon	0.5
38775	Dichlorvos	1
62069	Bisphenol A	1
62074	Equilenin	5
62053	17-beta-Estradiol	5
62484	Estrone	5
62091	Triethyl citrate (ethyl citrate)	0.5
34476	Tetrachloroethylene	0.5
34377	Fluoranthene	0.5
	Hexahydrohexamethylcyclopentabenzopyran (HHCB)	0.5
62075	Indole	0.5
62077	Isoborneol	0.5
34409	Isophorone	0.5
62079	Isoquinoline	0.5
62073	d-Limonene	0.5
62080	Menthol	0.5
50359	Metalaxyl	0.5
39415	Metolachlor	0.5
34443	Naphthalene	0.5
62054	1-Methylnaphthalene	0.5
62055	2,6-Dimethylnaphthalene	0.5
62056	2-Methylnaphthalene	0.5
62083	Nonylphenol, diethoxy- (total)	5
62084	p-Cresol	1
62060	4-Cumylphenol	1
62085	para-Nonylphenol (total)	5
62061	4-n-Octylphenol	1
62062	4-tert-Octylphenol	1
34462	Phenanthrene	0.5
34466	Phenol	0.5
34459	Pentachlorophenol	2
62089	Tributyl phosphate	0.5
62092	Triphenyl phosphate	0.5
62093	Tri(2-butoxyethyl)phosphate	0.5
62087	Tri(2-chloroethyl)phosphate	0.5
04037	Prometon	0.5
34470	Pyrene	0.5
62081	Methyl salicylate	0.5
62058	3-Methyl-1(H)-indole (Skatole)	1
62068	beta-Sitosterol	2
62086	beta-Stigmastanol	2
62090	Triclosan	1
62088	Tris (dichlorisopropyl) phosphate	0.5

Data Presentation

The ground-water-quality records for special study sampling sites are published in separate tables following the continuous ground water records.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

Printed Output	Remark
E	Value is estimated.
>	Actual value is known to be greater than the value shown.

Printed Output	Remark
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
U	Material specifically analyzed for, but not detected.
A	Value is an average.
V	Analyte was detected in both the environmental sample and the associated blanks.
S	Most probable value.

Records of Precipitation Quantity

Only precipitation data which are collected as part of long-term monitoring projects are given in this report. These data are intended for use in flood forecasting or other stream-flow modeling applications. Locations of the precipitation quantity stations included in this report are shown in figure 3.

Data Collection and Computation

Precipitation data in this report are collected using one of two methods. A weighing-bucket collector measures precipitation by recording the weight of accumulated precipitation in a container. The precipitation total for each day is simply the difference in recorded values from 12:00 am the previous day to 12:00 am the published day. During winter months the collector is charged with an antifreeze solution to melt incoming snow or ice. Precipitation data from weighing-bucket gages is reported to the nearest 0.1 in. Alternately, a tipping-bucket collector measures precipitation through the use of two equal-sized chambers which alternately fill and drain. As each chamber fills, it tips, simultaneously draining it, bringing the second bucket under the collector, and recording a known amount of precipitation, usually 0.01 in. The precipitation total for each day is computed by summing the number of tips during the day. During winter months a heater or adaptor is used to melt incoming snow or ice. Precipitation data from tipping-bucket gages are reported to the nearest 0.01 in.

Several factors can affect the precipitation recorded at a site, including the elevation of the collector above the land surface, the presence of vegetation, buildings or other barriers near the collector, and(or) the use of a wind shield around the collector.

Data Presentation

Each precipitation record consists of two parts: The station description and a data table of daily precipitation observed during the water year. The description of the sta-

tion is presented first, through use of descriptive headings, preceding the tabular data. The comments to follow clarify information presented under the various headings.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given.

PERIOD OF RECORD.--This entry indicates the period for which there are published records for the station. It reports the month and year of the start of publication by the U.S. Geological Survey and the words "to current year" if the records are to be continued into the following year.

INSTRUMENTATION.--This paragraph provides information on the type of instrumentation used at the station, including its height above land surface and elevation above National Geodetic Vertical Datum of 1929 (NGVD of 1929); it is reported with a precision dependent on the method of determination.

REMARKS.--This entry describes any ancillary information about the station, including any real-time data telemetry capability.

A table of precipitation totals follows the station description for each station. Precipitation totals for each day are reported in inches of water. The total precipitation for each month is shown on a line below the daily-sum table. Missing records are indicated by dashes in place of the precipitation total.

Records of Snow Quantity

Only snow data which are collected as part of long-term monitoring projects are given in this report. These data are intended for use in flood forecasting or other streamflow modeling applications. Locations of the snow sampling stations included in this report are shown in figure 4.

Data Collection and Computation

Snow data were collected with snow tubes with graduations on the outside to measure the total depth of the snow-pack. The inside diameter of the tube is such that one ounce of core in the tube equals one inch of water equivalent. At each sample point, the snow tube is used to record the total depth, and a core sample is removed and weighed to determine the water content.

At each snow course the reported values are the average of ten readings of snow depth and ten readings of water equivalent. Methods used are described in the Snow Survey Sampling Guide, Agriculture Handbook number 169, published by the U.S. Department of Agriculture.

Data Presentation

Snow depth and water content records for snow sampling sites are published in inches for each sample date, in separate tables following the precipitation quantity records.

ACCESS TO USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily mean and peak-flow discharge data for most current or discontinued gaging stations on the internet. These data may be accessed at

<http://me.water.usgs.gov>

Some water-quality and ground-water data also are available through the internet. In addition, data can be provided in various machine-readable formats on CD or 3-1/2 inch floppy disk. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Discipline District Offices. (See address on the back of the title page.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from <http://water.usgs.gov/glossaries.html>.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an “unfiltered” sample (formerly reported as alkalinity).

Acre-foot (AC-FT, acre-ft) is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also “Annual runoff”)

Adenosine triphosphate (ATP) is an organic, phosphate-rich compound important in the transfer of energy in organisms. Its central role in living cells makes ATP an excellent indicator of the presence of living material in water. A measurement of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter.

Adjusted discharge is discharge data that have been mathematically adjusted (for example, to remove the effects of a daily tide cycle or reservoir storage).

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample. (See also “Biomass” and “Dry weight”)

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a “filtered” sample.

Annual runoff is the total quantity of water that is discharged (“runs off”) from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 through September 30). Most low-flow frequency analyses use a climatic year (April 1–March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day, 10-year low-flow statistic.)

Aroclor is the registered trademark for a group of polychlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type, and the last two digits represent the percentage weight of the hydrogen-substituted chlorine.

Artificial substrate is a device that purposely is placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is collected. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection. (See also “Substrate”)

Ash mass is the mass or amount of residue present after the residue from a dry-mass determination has been ashed in a muffle furnace at a temperature of 500 °C for 1 hour. Ash mass of zooplankton and phytoplankton is expressed in grams per cubic meter (g/m³), and periphyton and benthic organisms in grams per square meter (g/m²). (See also “Biomass” and “Dry mass”)

Aspect is the direction toward which a slope faces with respect to the compass.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, whereas others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Bankfull stage, as used in this report, is the stage at which a stream first overflows its natural banks formed by floods with 1- to 3-year recurrence intervals.

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each

station is selected so that an average of about three peak flows per year will be published. (See also "Peak flow")

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Bed material is the sediment mixture of which a stream-bed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

Bedload is material in transport that primarily is supported by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to the top of the bedload sampler nozzle (an elevation ranging from 0.25 to 0.5 foot). These particles are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler also may contain a component of the suspended load.

Bedload discharge (tons per day) is the rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload," "Dry weight," "Sediment," and "Suspended-sediment discharge")

Benthic organisms are the group of organisms inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as mass per unit area or volume of habitat.

Biomass pigment ratio is an indicator of the total proportion of periphyton that are autotrophic (plants). This also is called the Autotrophic Index.

Blue-green algae (*Cyanophyta*) are a group of phytoplankton and periphyton organisms with a blue pigment in addition to a green pigment called chlorophyll. Blue-green algae can cause nuisance water-quality conditions in lakes and slow-flowing rivers; however, they are found commonly in streams throughout the year. The abundance of blue-green algae in phytoplankton samples is expressed as

the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter ($\mu\text{m}^3/\text{mL}$). The abundance of blue-green algae in periphyton samples is given in cells per square centimeter (cells/cm²) or biovolume per square centimeter ($\mu\text{m}^3/\text{cm}^2$). (See also "Phytoplankton" and "Periphyton")

Bottom material (See "Bed material")

Bulk electrical conductivity is the combined electrical conductivity of all material within a doughnut-shaped volume surrounding an induction probe. Bulk conductivity is affected by different physical and chemical properties of the material including the dissolved-solids content of the pore water, and the lithology and porosity of the rock.

Canadian Geodetic Vertical Datum 1928 is a geodetic datum derived from a general adjustment of Canada's first order level network in 1928.

Cell volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are used frequently in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (μm^3) is determined by obtaining critical cell measurements or cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

$$\text{sphere } \frac{4}{3} \pi r^3 \quad \text{cone } \frac{1}{3} \pi r^2 h \quad \text{cylinder } \pi r^2 h.$$

pi (π) is the ratio of the circumference to the diameter of a circle; $\pi = 3.14159\dots$

From cell volume, total algal biomass expressed as biovolume ($\mu\text{m}^3/\text{mL}$) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes for all species.

Cells/volume refers to the number of cells of any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, and generally are reported as cells or units per milliliter (mL) or liter (L).

Cfs-day (See "Cubic foot per second-day")

Channel bars, as used in this report, are the lowest prominent geomorphic features higher than the channel bed.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with BOD or with carbonaceous organic pollution from sewage or industrial wastes. [See also “Biochemical oxygen demand (BOD)”]

***Clostridium perfringens* (*C. perfringens*)** is a spore-forming bacterium that is common in the feces of human and other warmblooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and the presence of microorganisms that are resistant to disinfection and environmental stresses. (See also “Bacteria”)

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of water and of the survival and transport of viruses in the environment.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases, the water level can rise above the ground surface, yielding a flowing well.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Continuous-record station is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

Control designates a feature in the channel that physically affects the water-surface elevation and thereby determines the stage-discharge relation at the gage. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure, as used in this report, is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic foot per second (CFS, ft³/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per minute, or

0.02832 cubic meters per second. The term “second-foot” sometimes is used synonymously with “cubic foot per second” but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, [(ft³/s)/d]) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily mean discharges reported in the daily value data tables numerically are equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, (ft³/s)/mi²] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area. (See also “Annual runoff”)

Daily mean suspended-sediment concentration is the time-weighted mean concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also “Sediment” and “Suspended-sediment concentration”)

Daily record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to data collection on a daily or near-daily basis.

Data collection platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data usually are downloaded from onsite data loggers for entry into office data systems.

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or Universal Transverse Mercator (UTM) coordinates. (See also “Gage datum,” “Land-surface datum,” “National Geodetic Vertical Datum of 1929,” and “North American Vertical Datum of 1988”)

Diatoms (*Bacillariophyta*) are unicellular or colonial algae with a siliceous cell wall. The abundance of diatoms in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter (μm³/mL). The abundance of diatoms in per-

iphyton samples is given in cells per square centimeter (cells/cm²) or biovolume per square centimeter (μm³/cm²). (See also “Phytoplankton” and “Periphyton”)

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or **flow**, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediment or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, and so forth, within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents, such as suspended sediment, bedload, and dissolved or suspended chemicals, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of “dissolved” constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved-solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the “residue-on-evaporation” method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4917 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L CaCO₃) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index (H) (Shannon index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = - \sum_{i=1}^s \frac{n_i}{n} \log_2 \frac{n_i}{n},$$

where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth’s surface that contains a drainage system with a common outlet for its surface runoff. (See “Drainage area”)

Dry mass refers to the mass of residue present after drying in an oven at 105 °C, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass. (See also “Ash mass,” “Biomass,” and “Wet mass”)

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65 °C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue. (See also “Wet weight”)

Embeddedness is the degree to which gravel-sized and larger particles are surrounded or enclosed by finer-sized particles. (See also “Substrate embeddedness class”)

Enterococcus bacteria commonly are found in the feces of humans and other warmblooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 °C on mE agar (nutrient medium for bacterial growth) and subsequent transfer to EIA medium. Enterococci include *Streptococcus feacalis*, *Streptococcus feacium*, *Streptococcus avium*, and their variants. (See also “Bacteria”)

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that generally are considered pollution sensitive; the index usually decreases with pollution.

***Escherichia coli* (*E. coli*)** are bacteria present in the intestine and feces of warmblooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 °C on mTEC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Estimated (E) value of a concentration is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an E code will be reported with the value. If the analyte is identified qualitatively as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an E code even though the measured value is greater than the MDL. A value reported with an E code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<). For bacteriological data, concentrations are reported as estimated when results are based on non-ideal colony counts.

Euglenoids (*Euglenophyta*) are a group of algae that usually are free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark. (See also "Phytoplankton")

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semivolatile and extractable by ethyl acetate from air-dried streambed sediment. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediment.

Fecal coliform bacteria are present in the intestines or feces of warmblooded animals. They often are used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 °C plus or minus 0.2 °C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Fecal streptococcal bacteria are present in the intestines of warmblooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 1.0 °C on KF-streptococcus medium (nutrient

medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also "Bacteria")

Filtered pertains to constituents in a water sample passed through a filter of specified pore diameter, most commonly 0.45 micrometer or less for inorganic analytes and 0.7 micrometer for organic analytes.

Filtered, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that has passed through a filter has been extracted. Complete recovery is not achieved by the extraction procedure and thus the analytical determination represents something less than 95 percent of the total constituent concentration in the sample. To achieve comparability of analytical data, equivalent extraction procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results.

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also "Phytoplankton")

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly greater than the maximum depth of water. Because the gage datum is not an actual physical object, the datum is usually defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any national geodetic datum. However, if the elevation of the gage datum relative to the national datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the national datum by adding the elevation of the gage datum to the gage reading.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height often is used interchangeably with the more general term "stage," although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted, and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

Gaging station is a site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data are obtained.

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

Geomorphic channel units, as used in this report, are fluvial geomorphic descriptors of channel shape and stream velocity. Pools, riffles, and runs are types of geomorphic channel units considered for National Water-Quality Assessment (NAWQA) Program habitat sampling.

Green algae (*Chlorophyta*) are unicellular or colonial algae with chlorophyll pigments similar to those in terrestrial green plants. Some forms of green algae produce mats or floating “moss” in lakes. The abundance of green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter ($\mu\text{m}^3/\text{mL}$). The abundance of green algae in periphyton samples is given in cells per square centimeter (cells/cm²) or biovolume per square centimeter ($\mu\text{m}^3/\text{cm}^2$). (See also “Phytoplankton” and “Periphyton”)

Habitat, as used in this report, includes all nonliving (physical) aspects of the aquatic ecosystem, although living components like aquatic macrophytes and riparian vegetation also are usually included. Measurements of habitat typically are made over a wider geographic scale than are measurements of species distribution.

Habitat quality index is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

Hardness of water is a physical-chemical characteristic that commonly is recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate (CaCO_3).

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. See NOAA Web site:
<http://www.cosc.noaa.gov/text/glossary.html>

Hilsenhoff’s Biotic Index (HBI) is an indicator of organic pollution that uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = \frac{\sum(n)(a)}{N},$$

where n is the number of individuals of each taxon, a is the tolerance value of each taxon, and N is the total number of organisms in the sample.

Horizontal datum (See “Datum”)

Hydrologic index stations referred to in this report are continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the USGS. Each hydrologic unit is identified by an 8-digit number.

Inch (IN., in.), in reference to streamflow, as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were distributed uniformly on it. (See also “Annual runoff”)

Instantaneous discharge is the discharge at a particular instant of time. (See also “Discharge”)

International Boundary Commission Survey Datum refers to a geodetic datum established at numerous monuments along the United States-Canada boundary by the International Boundary Commission.

Island, as used in this report, is a mid-channel bar that has permanent woody vegetation, is flooded once a year, on average, and remains stable except during large flood events.

Laboratory reporting level (LRL) generally is equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a nondetection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a “less than” (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory (NWQL) collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are

reevaluated annually on the basis of the most current quality-control data and, therefore, may change. The LRL replaces the term 'non-detection value' (NDV).

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Latent heat flux (often used interchangeably with latent heat-flux density) is the amount of heat energy that converts water from liquid to vapor (evaporation) or from vapor to liquid (condensation) across a specified cross-sectional area per unit time. Usually expressed in watts per square meter.

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation:

$$I = I_0 e^{-\lambda L},$$

where I_0 is the source light intensity, I is the light intensity at length L (in meters) from the source, λ is the light-attenuation coefficient, and e is the base of the natural logarithm. The light-attenuation coefficient is defined as

$$\lambda = -\frac{1}{L} \log_e \frac{I}{I_0}.$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Long-term method detection level (LT-MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike-sample measurements over an extended period of time. LT-MDL data are collected on a continuous basis to assess year-to-year variations in the LT-MDL. The LT-MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT-MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. *See NOAA Web site:*
<http://www.csc.noaa.gov/text/glossary.html>

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that usually are arranged in zones in aquatic ecosystems and restricted in the area by the extent of illu-

mination through the water and sediment deposition along the shoreline.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also "Daily mean suspended-sediment concentration" and "Suspended-sediment concentration")

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period. (See also "Discharge")

Mean high or low tide is the average of all high or low tides, respectively, over a specific period.

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also "Datum")

Measuring point (MP) is an arbitrary permanent reference point from which the distance to water surface in a well is measured to obtain water level.

Megahertz is a unit of frequency. One megahertz equals one million cycles per second.

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Method code is a one-character code that identifies the analytical or field method used to determine a value stored in the National Water Information System (NWIS).

Method detection limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

Method of Cubatures is a method of computing discharge in tidal estuaries based on the conservation of mass equation.

Methylene blue active substances (MBAS) indicate the presence of detergents (anionic surfactants). The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

Micrograms per gram (UG/G, $\mu\text{g/g}$) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per kilogram (UG/KG, $\mu\text{g/kg}$) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

Microsiemens per centimeter (US/CM, $\mu\text{S/cm}$) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in water as the mass (milligrams) of constituent per unit volume (liter) of water. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the mass of dry sediment per liter of water-sediment mixture.

Minimum reporting level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method.

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

National Geodetic Vertical Datum of 1929 (NGVD 29) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It formerly was called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations, it does not necessarily represent local mean sea level at any particular place. *See NOAA Web site: <http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88>* (See "North American Vertical Datum of 1988")

Natural substrate refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives. (See also "Substrate")

Nekton are the consumers in the aquatic environment and consist of large, free-swimming organisms that are capable of sustained, directed mobility.

Nonfilterable refers to the portion of the total residue retained by a filter.

North American Datum of 1927 (NAD 27) is the horizontal control datum for the United States that was defined by a location and azimuth on the Clarke spheroid of 1866.

North American Datum of 1983 (NAD 83) is the horizontal control datum for the United States, Canada, Mexico, and Central America that is based on the adjustment of 250,000 points including 600 satellite Doppler stations that constrain the system to a geocentric origin. NAD 83 has been officially adopted as the legal horizontal datum for the United States by the Federal government.

North American Vertical Datum of 1988 (NAVD 88) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the United States. This datum was established in 1991 by minimum-constraint adjustment of

the Canadian, Mexican, and United States first-order terrestrial leveling networks.

Open or screened interval is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediment. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or volatile mass of a living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass. (See also "Ash mass," "Biomass," and "Dry mass")

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m²), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter code is a 5-digit number used in the USGS computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method uses the principle of Stokes Law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, sedigraph) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification, as used in this report, agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	>0.00024 - 0.004	Sedimentation
Silt	>0.004 - 0.062	Sedimentation
Sand	>0.062 - 2.0	Sedimentation/sieve
Gravel	>2.0 - 64.0	Sieve
Cobble	>64 - 256	Manual measurement
Boulder	>256	Manual measurement

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. For the sedimentation method, most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation of the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

Percent composition or percent of total is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, mass, or volume.

Percent shading is a measure of the amount of sunlight potentially reaching the stream. A clinometer is used to measure left and right bank canopy angles. These values are added together, divided by 180, and multiplied by 100 to compute percentage of shade.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, or other hydrologic measurements are made one or more times during a year but at a frequency insufficient to develop a daily record.

Periphyton is the assemblage of microorganisms attached to and living upon submerged solid surfaces. Although primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton are useful indicators of water quality.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7.0 standard units are termed "acidic," and solutions with a pH greater than 7.0 are termed "basic." Solutions with a pH of 7.0 are neutral. The presence and concentration of many dissolved chemical constituents found in water are affected, in part, by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms also are affected, in part, by the hydrogen-ion activity of water.

Phytoplankton is the plant part of the plankton. They usually are microscopic, and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and commonly are known as algae. (See also "Plankton")

Picocurie (PC, pCi) is one-trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

Pool, as used in this report, is a small part of a stream reach with little velocity, commonly with water deeper than surrounding areas.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated (carbon method) by the plants.

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [$\text{mg C}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg C}/(\text{m}^3/\text{time})$] for phytoplankton. The carbon method defines the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light- and dark-bottle method and is preferred for use with unenriched water samples. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [$\text{mg O}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg O}/(\text{m}^3/\text{time})$] for phytoplankton. The oxygen method defines production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light- and dark-bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Radioisotopes are isotopic forms of elements that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Reach, as used in this report, is a length of stream that is chosen to represent a uniform set of physical, chemical, and biological conditions within a segment. It is the principal sampling unit for collecting physical, chemical, and biological data.

Recoverable is the amount of a given constituent that is in solution after a representative water sample has been extracted or digested. Complete recovery is not achieved by the extraction or digestion and thus the determination represents something less than 95 percent of the constituent present in the sample. To achieve comparability of analytical data, equivalent extraction or digestion procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results. (See also "Bed material")

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or nonexceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day, 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the nonexceedances of the $7Q_{10}$ occur less than 10 years after the previous nonexceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous nonexceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

Return period (See "Recurrence interval")

Riffle, as used in this report, is a shallow part of the stream where water flows swiftly over completely or partially submerged obstructions to produce surface agitation.

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (Octo-

ber 1968) of the Water Resources Council and typically is used to denote location along a river.

Run, as used in this report, is a relatively shallow part of a stream with moderate velocity and little or no surface turbulence.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin during a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also "Annual runoff")

Salinity is the total quantity of dissolved salts, measured by weight in parts per thousand. Values in this report are calculated from specific conductance and temperature. Seawater has an average salinity of about 35 parts per thousand (for additional information, refer to: Miller, R.L., Bradford, W.L., and Peters, N.E., 1988, Specific conductance: theoretical considerations and application to analytical quality control: U.S. Geological Survey Water-Supply Paper 2311, 16 p.)

Sea level, as used in this report, refers to one of the two commonly used national vertical datums (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are affected by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Sensible heat flux (often used interchangeably with latent sensible heat-flux density) is the amount of heat energy that moves by turbulent transport through the air across a specified cross-sectional area per unit time and goes to heating (cooling) the air. Usually expressed in watts per square meter.

Seven-day, 10-year low flow ($7Q_{10}$) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-term average. The recurrence interval of the $7Q_{10}$ is 10 years; the chance that the annual 7-day minimum flow will be less than the $7Q_{10}$ is 10 percent in any given year. (See also "Annual 7-day minimum" and "Recurrence interval")

Shelves, as used in this report, are streambank features extending nearly horizontally from the flood plain to the lower limit of persistent woody vegetation.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Soil heat flux (often used interchangeably with soil heat-flux density) is the amount of heat energy that moves by conduction across a specified cross-sectional area of soil per unit time and goes to heating (or cooling) the soil. Usually expressed in watts per square meter.

Soil-water content is the water lost from the soil upon drying to constant mass at 105 °C; expressed either as mass of water per unit mass of dry soil or as the volume of water per unit bulk volume of soil.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stable isotope ratio (per MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific water, to evaluate mixing of different water, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage (See “Gage height”)

Stage-discharge relation is the relation between the water-surface elevation, termed stage (gage height), and the volume of water flowing in a channel per unit time.

Streamflow is the discharge that occurs in a natural channel. Although the term “discharge” can be applied to the flow of a canal, the word “streamflow” uniquely describes the discharge in a surface stream course. The term “streamflow” is more general than “runoff” as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Substrate embeddedness class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2 mm, sand or finer). Below are the class categories expressed as the percentage covered by fine sediment:

0	no gravel or larger substrate	3	26-50 percent
1	> 75 percent	4	5-25 percent
2	51-75 percent	5	< 5 percent

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

Surficial bed material is the upper surface (0.1 to 0.2 foot) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Surrogate is an analyte that behaves similarly to a target analyte, but that is highly unlikely to occur in a sample. A surrogate is added to a sample in known amounts before extraction and is measured with the same laboratory procedures used to measure the target analyte. Its purpose is to monitor method performance for an individual sample.

Suspended is the amount (concentration) of undissolved material in a water-sediment mixture. Most commonly refers to that material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer filter has been extracted or digested. Complete recovery is not achieved by the extraction or digestion procedures and thus the determination represents less than 95 percent of the constituent present in the sample. To achieve comparability of analytical data, equivalent extraction or digestion procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results. (See also “Suspended”)

Suspended sediment is sediment carried in suspension by the turbulent components of the fluid or by the Brownian movement (a law of physics). (See also “Sediment”)

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 foot above the bed) expressed as milligrams of dry sed-

iment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also “Sediment” and “Suspended sediment”)

Suspended-sediment discharge (tons/d) is the rate of sediment transport, as measured by dry mass or volume, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft³/s) x 0.0027. (See also “Sediment,” “Suspended sediment,” and “Suspended-sediment concentration”)

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It is not synonymous with either suspended-sediment discharge or concentration. (See also “Sediment”)

Suspended solids, total residue at 105 °C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

Suspended, total is the total amount of a given constituent in the part of a water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as “suspended, total.” Determinations of “suspended, total” constituents are made either by directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total concentrations of the constituent. (See also “Suspended”)

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydrologic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

Taxa (Species) richness is the number of species (taxa) present in a defined area or sampling unit.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification

of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata*, is the following:

Kingdom:	Animal
Phylum:	Arthropoda
Class:	Insecta
Order:	Ephemeroptera
Family:	Ephemeridae
Genus:	<i>Hexagenia</i>
Species:	<i>Hexagenia limbata</i>

Thalweg is the line formed by connecting points of minimum streambed elevation (deepest part of the channel).

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term “temperature recorder” is used in the table descriptions and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water resulting from the mixing of flow proportionally to the duration of the concentration.

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (acre-foot) of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY, tons/d) is a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric ton per day.

Total is the amount of a given constituent in a representative whole-water (unfiltered) sample, regardless of the constituent’s physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as “total.” (Note that the word “total” does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined at least 95 percent of the constituent in the sample.)

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warmblooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory, these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 °C plus or minus 1.0 °C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliliters of sample. (See also "Bacteria")

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total in bottom material is the amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total length (fish) is the straight-line distance from the anterior point of a fish specimen's snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total organism count is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume")

Total recoverable is the amount of a given constituent in a whole-water sample after a sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data for whole-water samples, equivalent digestion procedures are required of all laboratories performing

such analyses because different digestion procedures may produce different analytical results.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also "Bedload," "Bedload discharge," "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

Total sediment load or **total load** is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It differs from total sediment discharge in that load refers to the material, whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also "Sediment," "Suspended-sediment load," and "Total load")

Transect, as used in this report, is a line across a stream perpendicular to the flow and along which measurements are taken, so that morphological and flow characteristics along the line are described from bank to bank. Unlike a cross section, no attempt is made to determine known elevation points along the line.

Turbidity is an expression of the optical properties of a liquid that causes light rays to be scattered and absorbed rather than transmitted in straight lines through water. Turbidity, which can make water appear cloudy or muddy, is caused by the presence of suspended and dissolved matter, such as clay, silt, finely divided organic matter, plankton and other microscopic organisms, organic acids, and dyes (ASTM International, 2004, D1889-00 Standard test method for turbidity of water, *in* ASTM International, Annual Book of ASTM Standards, Water and Environmental Technology, v. 11.01: West Conshohocken, Pennsylvania, 6 p.). The color of water, whether resulting from dissolved compounds or suspended particles, can affect a turbidity measurement. To ensure that USGS turbidity data can be understood and interpreted properly within the context of the instrument used and site conditions encountered, data from each instrument type are stored and reported in the National Water Information System (NWIS) using parameter codes and measurement reporting units that are specific to the instrument type, with specific instruments designated by the method code. The respective measurement units, many of which also are in use internationally, fall into two categories: (1) the designations NTU, NTRU, BU, AU, and NTMU signify the use of a broad spectrum incident light in the wavelength range of 400-680 nanometers (nm), but having different light detection configurations; (2) The designations FNU, FNRU, FBU, FAU, and FNMU generally signify an incident light in the range between 780-900 nm, also with varying light detection configurations. These reporting units are equivalent when

measuring a calibration solution (for example, formazin or polymer beads), but their respective instruments may not produce equivalent results for environmental samples. Specific reporting units are as follows:

NTU (Nephelometric Turbidity Units): white or broadband [400-680 nm] light source, 90 degree detection angle, one detector.

NTRU (Nephelometric Turbidity Ratio Units): white or broadband [400-680 nm] light source, 90 degree detection angle, multiple detectors with ratio compensation.

BU (Backscatter Units): white or broadband [400-680 nm] light source, 30 ± 15 degree detection angle (backscatter).

AU (Attenuation Units): white or broadband [400-680 nm] light source, 180 degree detection angle (attenuation).

NTMU (Nephelometric Turbidity Multibeam Units): white or broadband [400-680 nm] light source, multiple light sources, detectors at 90 degrees and possibly other angles to each beam.

FNU (Formazin Nephelometric Units): near infrared [780-900 nm] or monochrome light source, 90 degree detection angle, one detector.

FNRU (Formazin Nephelometric Ratio Units): near infrared [780-900 nm] or monochrome light source, 90 degree detection angle, multiple detectors, ratio compensation.

FBU (Formazin Backscatter Units): near infrared [780-900 nm] or monochrome light source, 30 ± 15 degree detection angle.

FAU (Formazin Attenuation Units): near infrared [780-900 nm] light source, 180 degree detection angle.

FNMU (Formazin Nephelometric Multibeam Units): near infrared [780-900 nm] or monochrome light source, multiple light sources, detectors at 90 degrees and possibly other angles to each beam.

For more information please see http://water.usgs.gov/owq/FieldManual/Chapter6/6.7_contents.html.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of path length of UV light through a sample.

Unconfined aquifer is an aquifer whose upper surface is a water table free to fluctuate under atmospheric pressure. (See "Water-table aquifer")

Unfiltered pertains to the constituents in an unfiltered, representative water-suspended sediment sample.

Unfiltered, recoverable is the amount of a given constituent in a representative water-suspended sediment sample that has been extracted or digested. Complete recovery is not achieved by the extraction or digestion treatment and thus the determination represents less than 95 percent of the constituent present in the sample. To achieve comparability of analytical data, equivalent extraction or digestion procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results.

Vertical datum (See "Datum")

Volatile organic compounds (VOCs) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and, subsequently, analyzed by gas chromatography. Many VOCs are human-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They often are components of fuels, solvents, hydraulic fluids, paint thinners, and dry-cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human-health concern because many are toxic and are known or suspected human carcinogens.

Water table is that surface in a ground-water body at which the water pressure is equal to the atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which the water table is found.

Water year in USGS reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2002, is called the "2002 water year."

Watershed (See "Drainage basin")

WDR is used as an abbreviation for "Water-Data Report" in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports. (WRD was used as an abbreviation for "Water-Resources Data" in reports published prior to 1976.)

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying

the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

Wet mass is the mass of living matter plus contained water. (See also “Biomass” and “Dry mass”)

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also “Dry weight”)

WSP is used as an acronym for “Water-Supply Paper” in reference to previously published reports.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and often are large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers. (See also “Plankton”)

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The USGS publishes a series of manuals, the Techniques of Water-Resources Investigations, describing procedures for planning and conducting specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, section A of book 3 (Applications of Hydraulics) pertains to surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises.

Reports in the Techniques of Water-Resources Investigations series, which are listed below, are online at <http://water.usgs.gov/pubs/twri/>. Printed copies are for sale by the USGS, Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office), telephone 1-888-ASK-USGS. Please telephone 1-888-ASK-USGS for current prices, and refer to the title, book number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations." Products can then be ordered by telephone, or online at <http://www.usgs.gov/sales.html>, or by FAX to (303)236-469 of an order form available online at <http://mac.usgs.gov/isb/pubs/forms/>. Prepayment by major credit card or by a check or money order payable to the "U.S. Geological Survey" is required.

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

- 1–D1. *Water temperature—Influential factors, field measurement, and data presentation*, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS–TWRI book 1, chap. D1. 1975. 65 p.
- 1–D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS–TWRI book 1, chap. D2. 1976. 24 p.

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

- 2–D1. *Application of surface geophysics to ground-water investigations*, by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS–TWRI book 2, chap. D1. 1974. 116 p.
- 2–D2. *Application of seismic-refraction techniques to hydrologic studies*, by F.P. Haeni: USGS–TWRI book 2, chap. D2. 1988. 86 p.

Section E. Subsurface Geophysical Methods

- 2–E1. *Application of borehole geophysics to water-resources investigations*, by W.S. Keys and L.M. MacCary: USGS–TWRI book 2, chap. E1. 1971. 126 p.
- 2–E2. *Borehole geophysics applied to ground-water investigations*, by W.S. Keys: USGS–TWRI book 2, chap. E2. 1990. 150 p.

Section F. Drilling and Sampling Methods

- 2–F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and W.E. Teasdale: USGS–TWRI book 2, chap. F1. 1989. 97 p.

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

- 3–A1. *General field and office procedures for indirect discharge measurements*, by M.A. Benson and Tate Dalrymple: USGS–TWRI book 3, chap. A1. 1967. 30 p.
- 3–A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M.A. Benson: USGS–TWRI book 3, chap. A2. 1967. 12 p.
- 3–A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS–TWRI book 3, chap. A3. 1968. 60 p.
- 3–A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS–TWRI book 3, chap. A4. 1967. 44 p.
- 3–A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS–TWRI book 3, chap. A5. 1967. 29 p.
- 3–A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Davidian: USGS–TWRI book 3, chap. A6. 1968. 13 p.
- 3–A7. *Stage measurement at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A7. 1968. 28 p.
- 3–A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS–TWRI book 3, chap. A8. 1969. 65 p.
- 3–A9. *Measurement of time of travel in streams by dye tracing*, by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS–TWRI book 3, chap. A9. 1989. 27 p.
- 3–A10. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS–TWRI book 3, chap. A10. 1984. 59 p.
- 3–A11. *Measurement of discharge by the moving-boat method*, by G.F. Smoot and C.E. Novak: USGS–TWRI book 3, chap. A11. 1969. 22 p.
- 3–A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS–TWRI book 3, chap. A12. 1986. 34 p.

- 3–A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS–TWRI book 3, chap. A13. 1983. 53 p.
- 3–A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS–TWRI book 3, chap. A14. 1983. 46 p.
- 3–A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS–TWRI book 3, chap. A15. 1984. 48 p.
- 3–A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS–TWRI book 3, chap. A16. 1985. 52 p.
- 3–A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS–TWRI book 3, chap. A17. 1985. 38 p.
- 3–A18. *Determination of stream reaeration coefficients by use of tracers*, by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS–TWRI book 3, chap. A18. 1989. 52 p.
- 3–A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS–TWRI book 3, chap. A19. 1990. 31 p.
- 3–A20. *Simulation of soluble waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS–TWRI book 3, chap. A20. 1993. 38 p.
- 3–A21. *Stream-gaging cableways*, by C. Russell Wagner: USGS–TWRI book 3, chap. A21. 1995. 56 p.

Section B. Ground-Water Techniques

- 3–B1. *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS–TWRI book 3, chap. B1. 1971. 26 p.
- 3–B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G.D. Bennett: USGS–TWRI book 3, chap. B2. 1976. 172 p.
- 3–B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS–TWRI book 3, chap. B3. 1980. 106 p.
- 3–B4. *Regression modeling of ground-water flow*, by R.L. Cooley and R.L. Naff: USGS–TWRI book 3, chap. B4. 1990. 232 p.
- 3–B4. *Supplement 1. Regression modeling of ground-water flow—Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems*, by R.L. Cooley: USGS–TWRI book 3, chap. B4. 1993. 8 p.
- 3–B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems—An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS–TWRI book 3, chap. B5. 1987. 15 p.
- 3–B6. *The principle of superposition and its application in ground-water hydraulics*, by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS–TWRI book 3, chap. B6. 1987. 28 p.
- 3–B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow*, by E.J. Wexler: USGS–TWRI book 3, chap. B7. 1992. 190 p.

- 3–B8. *System and boundary conceptualization in ground-water flow simulation*, by T.E. Reilly: USGS–TWRI book 3, chap. B8. 2001. 29 p.

Section C. Sedimentation and Erosion Techniques

- 3–C1. *Fluvial sediment concepts*, by H.P. Guy: USGS–TWRI book 3, chap. C1. 1970. 55 p.
- 3–C2. *Field methods for measurement of fluvial sediment*, by T.K. Edwards and G.D. Glysson: USGS–TWRI book 3, chap. C2. 1999. 89 p.
- 3–C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS–TWRI book 3, chap. C3. 1972. 66 p.

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

- 4–A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS–TWRI book 4, chap. A1. 1968. 39 p.
- 4–A2. *Frequency curves*, by H.C. Riggs: USGS–TWRI book 4, chap. A2. 1968. 15 p.
- 4–A3. *Statistical methods in water resources*, by D.R. Helsel and R.M. Hirsch: USGS–TWRI book 4, chap. A3. 1991. Available only online at <http://water.usgs.gov/pubs/twri/twri4a3/>. (Accessed August 30, 2002.)

Section B. Surface Water

- 4–B1. *Low-flow investigations*, by H.C. Riggs: USGS–TWRI book 4, chap. B1. 1972. 18 p.
- 4–B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS–TWRI book 4, chap. B2. 1973. 20 p.
- 4–B3. *Regional analyses of streamflow characteristics*, by H.C. Riggs: USGS–TWRI book 4, chap. B3. 1973. 15 p.

Section D. Interrelated Phases of the Hydrologic Cycle

- 4–D1. *Computation of rate and volume of stream depletion by wells*, by C.T. Jenkins: USGS–TWRI book 4, chap. D1. 1970. 17 p.

Book 5. Laboratory Analysis

Section A. Water Analysis

- 5–A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M.J. Fishman and L.C. Friedman, editors: USGS–TWRI book 5, chap. A1. 1989. 545 p.

5–A2. *Determination of minor elements in water by emission spectroscopy*, by P.R. Barnett and E.C. Mallory, Jr.: USGS–TWRI book 5, chap. A2. 1971. 31 p.

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5–A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L.J. Britton and P.E. Greeson, editors: USGS–TWRI book 5, chap. A4. 1989. 363 p.

5–A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS–TWRI book 5, chap. A5. 1977. 95 p.

5–A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L.C. Friedman and D.E. Erdmann: USGS–TWRI book 5, chap. A6. 1982. 181 p.

Section C. Sediment Analysis

5–C1. *Laboratory theory and methods for sediment analysis*, by H.P. Guy: USGS–TWRI book 5, chap. C1. 1969. 58 p.

Book 6. Modeling Techniques

Section A. Ground Water

6–A1. *A modular three-dimensional finite-difference ground-water flow model*, by M.G. McDonald and A.W. Harbaugh: USGS–TWRI book 6, chap. A1. 1988. 586 p.

6–A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model*, by S.A. Leake and D.E. Prudic: USGS–TWRI book 6, chap. A2. 1991. 68 p.

6–A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual*, by L.J. Torak: USGS–TWRI book 6, chap. A3. 1993. 136 p.

6–A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions*, by R.L. Cooley: USGS–TWRI book 6, chap. A4. 1992. 108 p.

6–A5. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 3: Design philosophy and programming details*, by L.J. Torak: USGS–TWRI book 6, chap. A5. 1993. 243 p.

6–A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction*, by Eric D. Swain and Eliezer J. Wexler: USGS–TWRI book 6, chap. A6. 1996. 125 p.

6–A7. *User's guide to SEAWAT: A computer program for simulation of three-dimensional variable-density ground-water*

flow, by Weixing Guo and Christian D. Langevin: USGS–TWRI book 6, chap. A7. 2002. 77 p.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

7–C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS–TWRI book 7, chap. C1. 1976. 116 p.

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7–C3. *A model for simulation of flow in singular and interconnected channels*, by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS–TWRI book 7, chap. C3. 1981. 110 p.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

8–A1. *Methods of measuring water levels in deep wells*, by M.S. Garber and F.C. Koopman: USGS–TWRI book 8, chap. A1. 1968. 23 p.

8–A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS–TWRI book 8, chap. A2. 1983. 57 p.

Section B. Instruments for Measurement of Discharge

8–B2. *Calibration and maintenance of vertical-axis type current meters*, by G.F. Smoot and C.E. Novak: USGS–TWRI book 8, chap. B2. 1968. 15 p.

Book 9. Handbooks for Water-Resources Investigations

Section A. National Field Manual for the Collection of Water-Quality Data

9–A1. *National field manual for the collection of water-quality data: Preparations for water sampling*, by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A1. 1998. 47 p.

9–A2. *National field manual for the collection of water-quality data: Selection of equipment for water sampling*, edited by

F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo:
USGS–TWRI book 9, chap. A2. 1998. 94 p.

9–A3. *National field manual for the collection of water-quality data: Cleaning of equipment for water sampling*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A3. 1998. 75 p.

9–A4. *National field manual for the collection of water-quality data: Collection of water samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibbs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A4. 1999. 156 p.

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9–A6. *National field manual for the collection of water-quality data: Field measurements*, edited by F.D. Wilde and D.B. Radtke: USGS–TWRI book 9, chap. A6. 1998. Variously paginated.

9–A7. *National field manual for the collection of water-quality data: Biological indicators*, edited by D.N. Myers and F.D. Wilde: USGS–TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.

9–A8. *National field manual for the collection of water-quality data: Bottom-material samples*, by D.B. Radtke: USGS–TWRI book 9, chap. A8. 1998. 48 p.

9–A9. *National field manual for the collection of water-quality data: Safety in field activities*, by S.L. Lane and R.G. Fay: USGS–TWRI book 9, chap. A9. 1998. 60 p.



Dennys River at Dennysville, ME (01021200).
February 2005

01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME

LOCATION.--Lat 46°42'02", long 69°42'56" (corrected), Aroostook County, Hydrologic Unit 01010001, on right bank in T12 R15, 0.1 mi downstream from Ninemile Brook, 0.4 mi downstream from site of Ninemile Bridge, and 11 mi northwest of Clayton Lake Post Office.

DRAINAGE AREA.--1,341 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1950 to current year.

CHEMICAL ANALYSES: Water years 1976, 1981.

SPECIFIC CONDUCTANCE: October 1975 to September 1980.

WATER TEMPERATURE: October 1975 to September 1980.

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

GAGE.--Water-stage recorder. Datum of gage is 931.26 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for period of doubtful gage-height record, Apr. 19 to Aug. 23, which is fair, and periods of ice effect, Nov. 8-12, 26-28, Dec. 6 to Apr. 18, period of no gage-height record, Dec. 10 to Feb. 8, period of doubtful gage-height record, Feb. 9 to Apr. 18, which are poor. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 464200069425701). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft³/s, May 1, 1974, gage height, 12.63 ft; maximum gage height, 23 ft, Apr. 11, 1991, estimated from flood marks (backwater from ice); minimum discharge, 32 ft³/s, Sept. 10, 2002; gage height, 0.19 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,100 ft³/s, Apr. 20, gage height, 9.18 ft; maximum gage height may have been higher during period of no gage-height record; minimum discharge, 212 ft³/s, Oct. 4, gage height, 0.90 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	308	9,100	8,320	e4,860	e382	e248	e1,630	5,080	2,420	e1,830	4,480	2,210
2	288	6,360	5,540	e4,030	e372	e247	e2,080	5,040	2,540	e1,680	4,850	1,650
3	244	4,600	3,740	e3,140	e365	e260	e2,510	4,620	6,940	e1,440	2,960	1,210
4	223	3,550	3,210	e2,500	e357	e264	e2,860	5,610	6,960	e1,260	2,090	2,630
5	283	2,960	2,580	e2,100	e348	e275	e2,810	9,560	4,960	e1,110	e1,600	7,470
6	849	2,820	e2,020	e1,780	e342	e305	e2,550	8,260	3,540	e970	e1,300	6,000
7	973	3,170	e1,600	e1,540	e334	e367	e2,300	6,150	2,650	e843	e1,100	3,970
8	821	e2,950	e1,460	e1,370	e328	e457	e2,040	4,520	e2,150	e773	e1,090	2,700
9	652	e2,270	e1,430	e1,190	e323	e570	e1,840	3,460	e1,760	1,050	e1,110	2,270
10	535	e1,910	e1,500	e1,080	e319	e685	e1,840	2,790	e1,420	1,440	e907	8,250
11	447	e1,720	e1,950	e987	e316	e725	e1,760	2,360	e1,180	1,910	e845	11,700
12	384	e1,610	e2,780	e911	e310	e718	e1,560	e2,040	e983	1,630	1,770	8,230
13	341	2,070	e2,570	e850	e303	e695	e1,390	e1,820	e865	1,170	14,000	5,460
14	306	5,610	e2,360	e799	e298	e650	e2,000	e1,700	e737	886	21,500	3,840
15	304	5,800	e2,260	e752	e293	e610	e9,790	e1,750	e737	752	16,800	2,790
16	394	4,450	e2,240	e713	e289	e573	e10,800	e1,630	e963	804	11,500	2,130
17	937	3,410	e2,270	e675	e284	e533	e10,000	e1,430	e1,060	1,590	7,400	1,690
18	1,020	2,730	e2,520	e641	e281	e497	e9,620	e1,240	e872	2,690	4,630	1,380
19	847	2,420	e3,090	e609	e277	e467	13,700	2,170	e808	2,550	3,160	1,140
20	703	4,580	e4,240	e584	e275	e441	23,100	4,500	e1,640	2,170	e2,510	983
21	622	10,200	e5,890	e560	e271	e421	22,200	3,920	e2,280	e1,800	e2,100	869
22	587	9,470	e7,080	e534	e266	e403	17,100	2,700	e1,990	e1,480	e1,780	780
23	560	7,000	e6,660	e512	e265	e388	14,000	1,990	e1,950	e1,250	e1,550	707
24	553	5,030	e5,730	e496	e265	e374	10,800	1,620	e2,210	5,760	1,360	647
25	537	3,830	e4,960	e478	e261	e360	8,020	2,830	e1,850	5,600	1,210	586
26	539	e3,010	e5,380	e460	e255	e372	6,270	6,290	e2,800	3,500	1,020	552
27	1,240	e2,510	e6,750	e445	e253	e402	5,240	e6,730	e2,170	2,290	860	527
28	7,580	e2,250	e8,430	e429	e250	e519	5,120	e6,030	e1,720	1,650	744	480
29	9,800	5,120	e8,110	e417	e249	e684	4,770	4,860	e1,340	1,250	661	441
30	14,800	10,000	e7,020	e405	---	e940	4,460	3,800	e1,240	1,010	619	409
31	12,600	---	e5,970	e392	---	e1,270	---	2,970	---	942	989	---
TOTAL	60,277	132,510	129,660	36,239	8,731	15,720	204,160	119,470	64,735	55,080	118,495	83,701
MEAN	1,944	4,417	4,183	1,169	301	507	6,805	3,854	2,158	1,777	3,822	2,790
MAX	14,800	10,200	8,430	4,860	382	1,270	23,100	9,560	6,960	5,760	21,500	11,700
MIN	223	1,610	1,430	392	249	247	1,390	1,240	737	752	619	409
CFSM	1.45	3.29	3.12	0.87	0.22	0.38	5.07	2.87	1.61	1.32	2.85	2.08
IN.	1.67	3.68	3.60	1.01	0.24	0.44	5.66	3.31	1.80	1.53	3.29	2.32

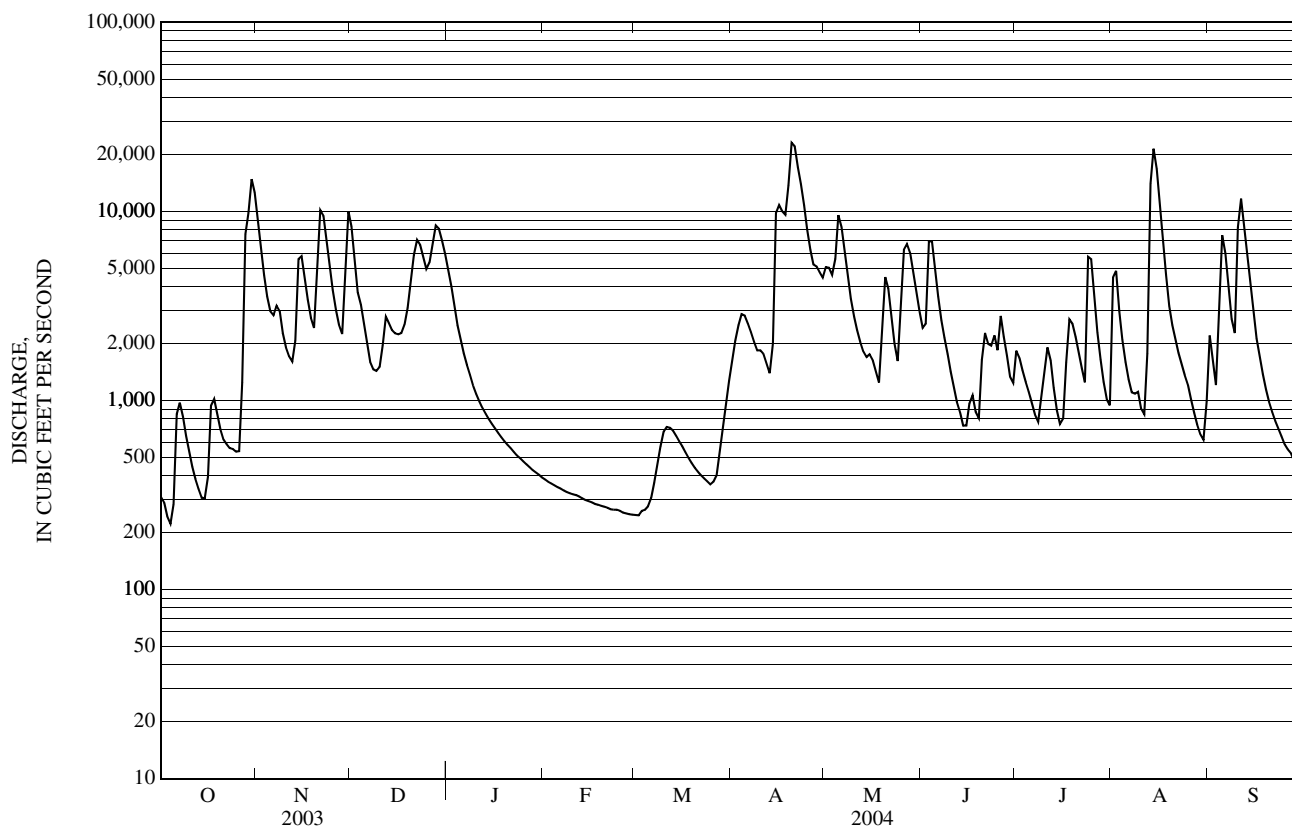
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2004, BY WATER YEAR (WY)

MEAN	1,883	2,244	1,368	718	608	1,005	7,436	6,901	2,074	1,475	1,331	1,311
MAX	6,102	5,717	4,899	2,580	2,981	4,296	13,420	16,550	4,705	6,845	5,985	3,930
(WY)	(1991)	(1964)	(1951)	(1995)	(1996)	(1979)	(1976)	(1961)	(1954)	(1984)	(1981)	(1954)
MIN	347	540	311	207	143	180	1,918	1,474	453	174	113	102
(WY)	(1956)	(1957)	(1956)	(1957)	(1961)	(1956)	(1967)	(1987)	(1988)	(1952)	(1953)	(1952)

e Estimated

01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1951 - 2004	
ANNUAL TOTAL	970,647		1,028,778		2,366	
ANNUAL MEAN	2,659		2,811		3,548	
HIGHEST ANNUAL MEAN					1,336	
LOWEST ANNUAL MEAN					38,600	
HIGHEST DAILY MEAN	17,000	Apr 24	23,100	Apr 20	38,600	May 1, 1974
LOWEST DAILY MEAN	116	Mar 17	223	Oct 4	34	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	119	Mar 12	252	Feb 26	42	Sep 5, 2002
MAXIMUM PEAK FLOW			25,100	Apr 20	44,400	May 1, 1974
MAXIMUM PEAK STAGE			9.18	Apr 20	23.00	Apr 11, 1991
INSTANTANEOUS LOW FLOW			212	Oct 4	32	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.98		2.10		1.76	
ANNUAL RUNOFF (INCHES)	26.93		28.54		23.97	
10 PERCENT EXCEEDS	8,170		6,970		5,980	
50 PERCENT EXCEEDS	1,040		1,630		970	
90 PERCENT EXCEEDS	149		339		255	



01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME

LOCATION.--Lat 46°53'38", long 69°45'06" (corrected), Aroostook County, Hydrologic Unit 01010001, on left bank at the Six Mile Landing Road Bridge, 4 mi northeast of Depot Mountain, 26.8 mi upstream from mouth.

DRAINAGE AREA.--171 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1983 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 885 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for periods of ice effect, Nov. 8-19, 23-28, and Dec. 2 to Apr. 18, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,680 ft³/s Apr. 1, 1987; gage height, 15.62 ft; minimum daily discharge, 7.4 ft³/s, Sept. 24, 1985.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	0615	2,810	9.59	Sept 10	2130	3,170	9.91
Apr 20	1930	*5,090	*11.69				

Minimum discharge, 37 ft³/s, Oct. 4, gage height, 3.28 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

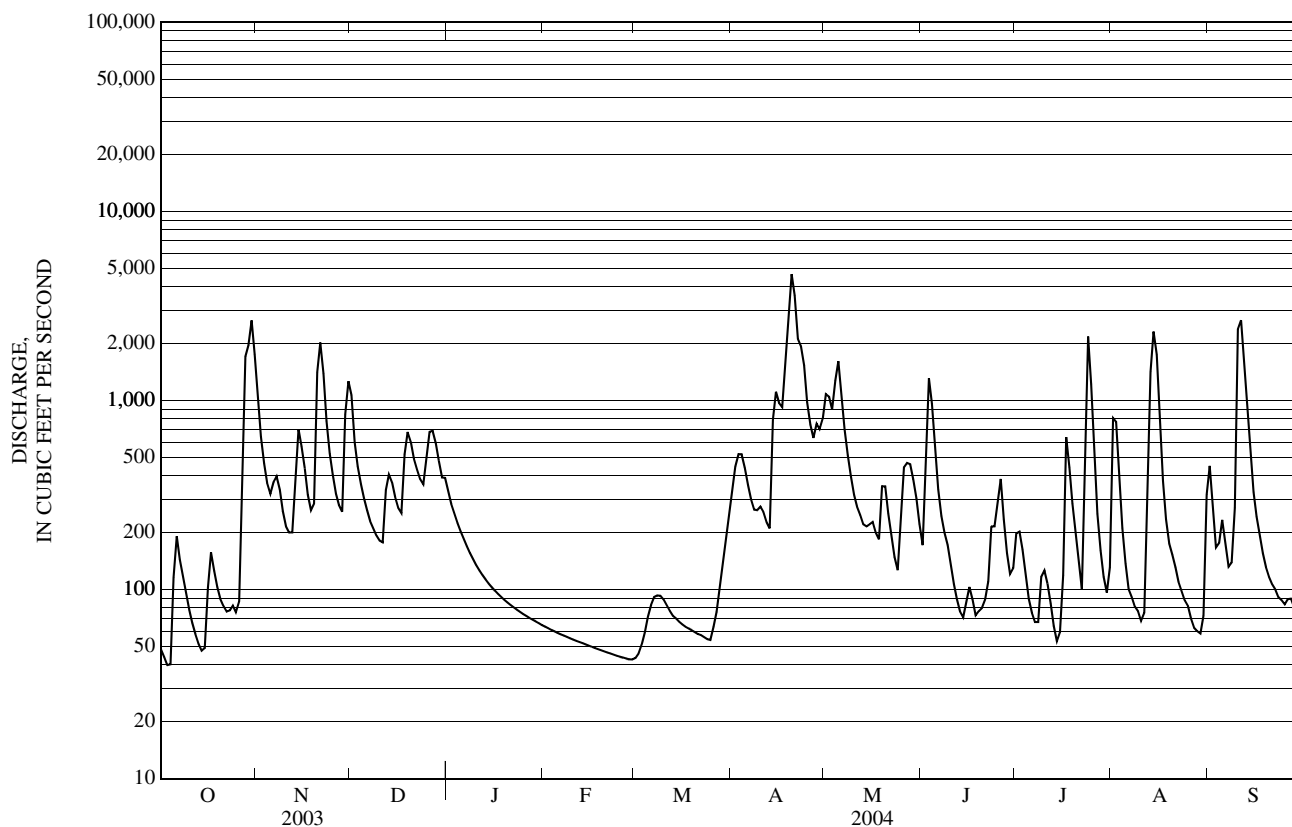
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	996	1,070	e330	e64	e43	e343	1,080	172	198	809	451
2	44	644	e601	e283	e63	e46	e448	1,050	470	203	772	273
3	40	465	e448	e253	e61	e51	e521	898	1,310	163	383	167
4	40	367	e362	e225	e60	e60	e521	1,270	959	121	211	177
5	116	321	e305	e203	e59	e72	e441	1,610	541	90	137	233
6	192	371	e262	e186	e58	e83	e358	1,080	339	75	101	177
7	144	397	e230	e169	e57	e91	e302	702	245	67	91	132
8	117	e338	e210	e156	e56	e93	e265	513	201	67	81	139
9	96	e260	e193	e145	e55	e93	e263	399	172	116	77	271
10	78	e216	e182	e135	e54	e89	e275	318	136	126	68	2,380
11	67	e201	e178	e126	e54	e83	e257	275	107	108	75	2,660
12	58	e201	e337	e119	e53	e77	e227	248	89	84	290	1,330
13	52	e395	e407	e113	e52	e73	e210	222	76	64	1,420	760
14	48	e705	e369	e108	e51	e70	e793	216	71	53	2,320	489
15	49	e571	e310	e103	e51	e68	e1,110	221	86	59	1,750	328
16	103	e439	e270	e99	e50	e65	e969	228	103	119	753	243
17	157	e318	e254	e95	e49	e64	e922	200	88	641	375	194
18	126	e262	e519	e91	e48	e62	e1,470	184	73	444	235	156
19	103	e285	e681	e88	e48	e61	2,420	351	77	285	175	131
20	89	1,410	e604	e85	e47	e60	4,660	352	80	197	153	117
21	82	2,030	e494	e83	e46	e58	3,600	252	88	139	131	107
22	77	1,390	e431	e80	e46	e57	2,120	190	110	100	110	100
23	77	e779	e385	e78	e45	e56	1,940	149	216	608	98	91
24	82	e525	e360	e76	e45	e55	1,530	127	216	2,180	88	88
25	76	e405	e502	e74	e44	e54	977	250	290	1,220	82	84
26	86	e322	e682	e72	e44	e64	745	443	384	495	70	89
27	480	e280	e691	e71	e43	e76	634	468	236	251	63	90
28	1,710	e258	e594	e69	e43	e102	753	461	156	161	60	81
29	1,960	847	e479	e68	e43	e136	705	383	121	117	59	73
30	2,650	1,260	e393	e66	---	e186	804	303	130	96	73	68
31	1,760	---	e390	e65	---	e251	---	222	---	131	318	---
TOTAL	10,807	17,258	13,193	3,914	1,489	2,499	30,583	14,665	7,342	8,778	11,428	11,679
MEAN	349	575	426	126	51.3	80.6	1,019	473	245	283	369	389
MAX	2,650	2,030	1,070	330	64	251	4,660	1,610	1,310	2,180	2,320	2,660
MIN	40	201	178	65	43	43	210	127	71	53	59	68
CFSM	2.04	3.36	2.49	0.74	0.30	0.47	5.96	2.77	1.43	1.66	2.16	2.28
IN.	2.35	3.75	2.87	0.85	0.32	0.54	6.65	3.19	1.60	1.91	2.49	2.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2004, BY WATER YEAR (WY)

MEAN	247	321	194	98.7	83.2	202	1,260	701	242	205	157	124
MAX	710	612	708	265	393	852	1,807	1,766	762	691	748	389
(WY)	(1991)	(1989)	(1991)	(1991)	(1996)	(1990)	(1991)	(1997)	(1994)	(1984)	(2003)	(2004)
MIN	39.2	113	41.8	27.5	13.6	25.9	678	152	57.2	38.5	17.6	17.1
(WY)	(2003)	(2002)	(1998)	(1985)	(1985)	(1993)	(1985)	(1987)	(1998)	(1997)	(2001)	(2002)

01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1984 - 2004	
ANNUAL TOTAL	149,464		133,635		319	
ANNUAL MEAN	409		365		438	
HIGHEST ANNUAL MEAN					157	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	3,860	Aug 11	4,660	Apr 20	6,790	Apr 1, 1987
LOWEST DAILY MEAN	15	Mar 15	40	Oct 3	7.4	Sep 24, 1985
ANNUAL SEVEN-DAY MINIMUM	16	Mar 11	44	Feb 24	8.0	Sep 20, 1985
MAXIMUM PEAK FLOW			5,090	Apr 20	8,680	Apr 1, 1987
MAXIMUM PEAK STAGE			11.69	Apr 20	15.62	Apr 1, 1987
INSTANTANEOUS LOW FLOW			37	Oct 4		
ANNUAL RUNOFF (CFSM)	2.39		2.14		1.87	
ANNUAL RUNOFF (INCHES)	32.51		29.07		25.37	
10 PERCENT EXCEEDS	1,270		905		822	
50 PERCENT EXCEEDS	144		176		115	
90 PERCENT EXCEEDS	21		57		30	



01010500 ST. JOHN RIVER AT DICKEY, ME

LOCATION.--Lat 47°06'47", long 69°05'17" (corrected), Aroostook County, Hydrologic Unit 01010001, on right bank at downstream side of State Route 161 highway bridge at Dickey, 0.4 mi downstream from Little Black River, and 2.8 mi upstream from Allagash River.

DRAINAGE AREA.--2,680 mi².

PERIOD OF RECORD.--

DISCHARGE: July to November 1910 and April to November 1911 (published as "near Dickey"), September 1946 to current year.

CHEMICAL ANALYSES: Water years 1952, 1975, 1981.

SPECIFIC CONDUCTANCE: April 1975 to September 1980.

WATER TEMPERATURE: April 1975 to September 1980.

SUSPENDED SEDIMENT DISCHARGE: October 1975 to September 1976.

REVISED RECORDS.--WDR ME-82-1: Drainage area. WDR ME-95-1: 1993, 1994. WDR ME-97-1: 1991(M) 1992(M) 1994(P).

GAGE.--Water-stage recorder. Datum of gage is 590.38 ft above National Geodetic Vertical Datum of 1929. Prior to December 1911, nonrecording gage at site 2,300 ft downstream at different datum. September 1946 to April 1962, water-stage recorder at site 1,300 ft downstream at same datum. April 1962 to August 1993, water-stage recorder at current site and datum. August 1993 to July 1998, water-stage recorder at site 500 ft downstream at same datum.

REMARKS.--Records good, except for the period of doubtful gage-height record, Apr. 19 to Sept. 30, which is fair, and periods of ice effect, Nov. 9-11, 26-28, and Dec. 5 to Apr. 18, periods of no gage-height record, Jan. 9-16, 22, 26-27, and Feb. 15-17, which are poor. Gage is operated in conjunction with a co-located precipitation gage (station 470646069052501). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 91,700 ft³/s, Apr. 29, 1979, gage height, 19.13 ft; maximum gage height, 37.89 ft, from flood marks, Apr. 9, 1991 (backwater from ice); minimum discharge, 106 ft³/s, Sept. 10, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 27,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	2045	32,700	11.98	Aug 14	1145	41,900	13.35
Apr 15	2030	Ice Jam	*21.34	Sep 11	1230	27,700	11.17
Apr 21	0245	*50,500	14.51				

Minimum daily discharge, 728 ft³/s, Mar. 25.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,760	19,700	16,200	e9,780	e1,130	e756	e3,150	e12,800	4,430	e2,520	e5,770	5,060
2	1,280	13,600	11,800	e8,240	e1,100	e749	e3,880	e14,800	4,030	e3,320	11,800	5,130
3	1,100	10,100	8,130	e7,020	e1,080	e745	e4,500	e14,400	7,630	e3,330	7,950	3,790
4	969	8,000	6,140	e5,990	e1,060	e754	e5,020	e14,300	12,100	e2,990	5,220	3,130
5	1,100	6,670	e4,850	e5,160	e1,040	e772	e5,020	e19,100	9,480	e2,510	3,870	5,920
6	1,630	5,990	e3,760	e4,540	e1,020	e796	e4,750	e18,000	6,910	e2,130	e3,180	8,660
7	2,080	6,070	e2,990	e4,040	e1,010	e840	e4,380	e13,400	5,250	e1,780	e2,710	6,540
8	2,180	6,070	e2,790	e3,640	e993	e893	e4,060	e10,300	4,310	e1,550	e2,410	4,920
9	1,850	e5,120	e2,680	e3,310	e973	e962	e3,760	e8,020	e3,660	e1,830	e2,160	4,130
10	1,520	e4,210	e2,730	e3,040	e960	e1,070	e3,510	e6,540	e3,190	e2,590	e1,980	11,100
11	1,260	e3,940	e3,490	e2,800	e952	e1,250	e3,320	e5,560	e2,770	e2,700	e1,820	26,100
12	1,090	3,870	e5,170	e2,580	e933	e1,440	e3,180	e5,000	e2,330	e2,760	2,240	20,100
13	957	3,990	e4,980	e2,380	e923	e1,480	e3,080	e4,530	e1,960	e2,300	14,800	12,500
14	861	6,210	e4,510	e2,210	e912	e1,420	e3,450	e4,190	e1,760	e1,790	39,500	9,020
15	814	9,510	e4,340	e2,080	e902	e1,300	e4,540	e4,190	e1,650	e1,400	32,900	6,770
16	1,080	8,120	e4,340	e1,970	e887	e1,210	e6,850	e4,210	e1,710	e1,690	21,400	5,360
17	1,510	6,370	e4,410	e1,860	e877	e1,130	e10,200	e3,940	e1,890	e3,010	13,600	4,430
18	1,890	5,130	e4,930	e1,770	e872	e1,040	e17,500	e3,510	e1,930	e4,560	9,260	3,730
19	2,040	4,640	e6,300	e1,670	e858	e973	28,000	e4,360	e1,730	e4,570	6,660	3,230
20	1,730	6,440	e8,460	e1,590	e848	e909	42,400	e6,700	e1,870	e3,810	5,340	2,860
21	1,490	18,300	e11,500	e1,520	e838	e858	47,300	e7,310	e2,930	e3,190	4,670	2,570
22	1,320	19,700	e13,300	e1,460	e834	e818	36,700	5,910	e3,550	e2,840	4,010	2,340
23	1,270	14,500	e13,200	e1,410	e824	e782	29,100	4,600	e3,650	e3,190	3,470	2,130
24	1,260	10,600	e11,600	e1,360	e822	e747	24,000	e3,700	e4,120	11,400	e3,120	1,950
25	1,210	8,290	e9,520	e1,320	e810	e728	17,900	e3,480	e4,100	14,700	e2,850	e1,770
26	1,230	e6,670	e9,920	e1,290	e798	e735	14,000	e6,430	e4,770	e9,050	e2,570	e1,670
27	2,290	e5,520	e13,300	e1,250	e786	e812	11,500	e9,140	e4,960	e5,710	e2,230	e1,570
28	10,800	e4,990	e15,200	e1,220	e777	e986	e11,100	e9,350	e3,700	e4,160	e1,980	e1,460
29	21,200	6,230	e14,900	e1,200	e766	e1,310	e11,300	e8,200	e2,940	e3,200	e1,750	e1,350
30	28,800	15,600	e13,700	e1,170	---	e1,800	e10,900	6,790	e2,590	e2,730	e1,690	e1,270
31	28,300	---	e11,600	e1,150	---	e2,440	---	5,440	---	e2,430	2,980	---
TOTAL	127,871	254,150	250,740	90,020	26,585	32,505	378,350	248,200	117,900	115,740	225,890	170,560
MEAN	4,125	8,472	8,088	2,904	917	1,049	12,610	8,006	3,930	3,734	7,287	5,685
MAX	28,800	19,700	16,200	9,780	1,130	2,440	47,300	19,100	12,100	14,700	39,500	26,100
MIN	814	3,870	2,680	1,150	766	728	3,080	3,480	1,650	1,400	1,690	1,270
CFM	1.54	3.16	3.02	1.08	0.34	0.39	4.71	2.99	1.47	1.39	2.72	2.12
IN.	1.77	3.53	3.48	1.25	0.37	0.45	5.25	3.45	1.64	1.61	3.14	2.37

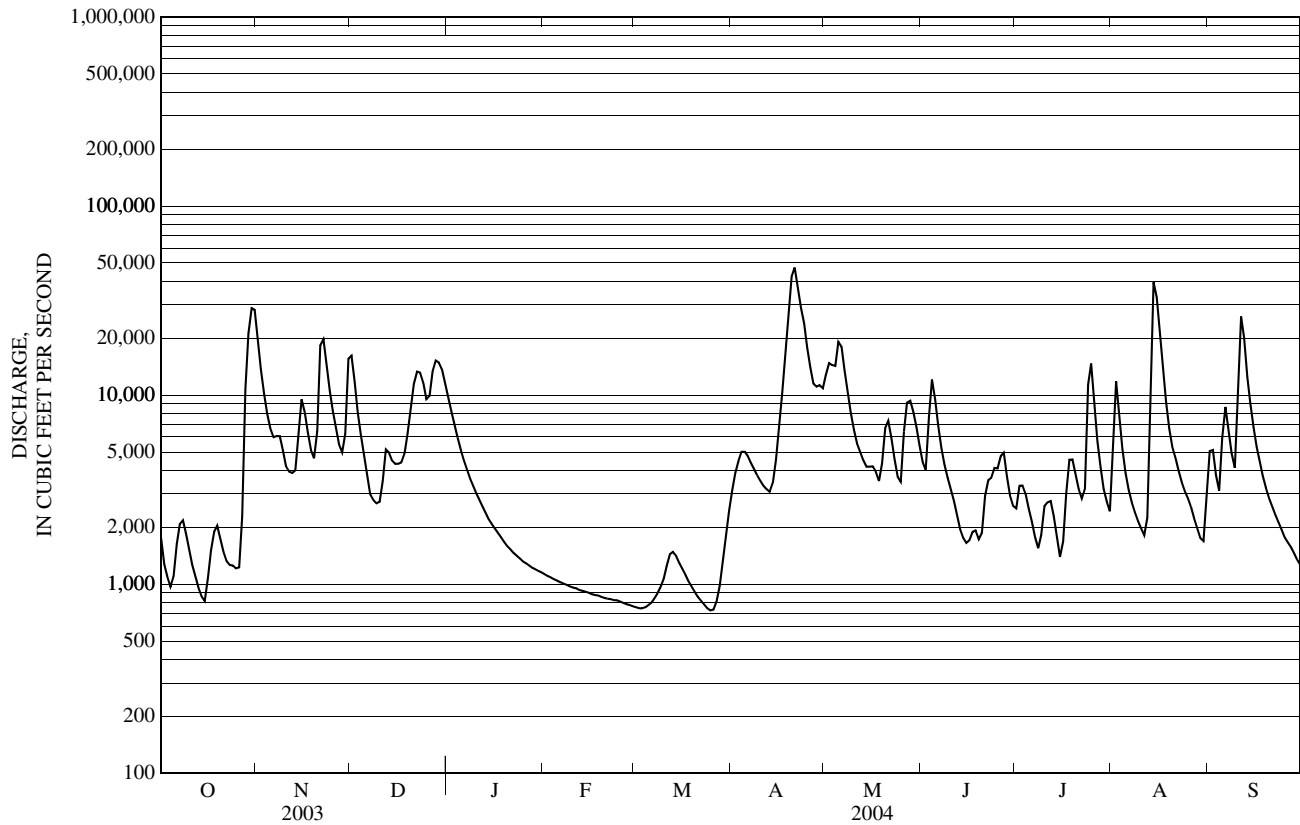
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	CFM	IN.
(WY)	3,426	11,280	690	1.54	1.77
(1978)	4,160	10,180	605	3.16	3.53
(1964)	2,678	9,781	624	3.02	3.48
(1951)	1,418	4,461	341	1.08	1.25
(1995)	1,175	6,456	201	0.34	0.37
(1996)	1,843	9,249	378	0.39	0.45
(1979)	14,600	27,790	3,999	4.71	5.25
(1967)	15,160	35,100	2,681	2.99	3.45
(1961)	4,383	10,840	1,152	1.47	1.64
(1947)	2,874	10,320	796	1.39	1.61
(1984)	2,560	11,740	265	2.72	3.14
(1981)	2,406	7,655	265	2.12	2.37
(1954)					
(1948)					
(1956)					
(1948)					
(1948)					
(1956)					
(1965)					
(1987)					
(1968)					
(1991)					
(1953)					
(2002)					

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01010500 ST. JOHN RIVER AT DICKEY, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910 - 2004	
ANNUAL TOTAL	1,873,662		2,038,511		4,746	
ANNUAL MEAN	5,133		5,570		7,193	
HIGHEST ANNUAL MEAN					2,844	
LOWEST ANNUAL MEAN					86,800	
HIGHEST DAILY MEAN	33,200	Apr 24	47,300	Apr 21	110	Apr 29, 1979
LOWEST DAILY MEAN	238	Mar 17	728	Mar 25	119	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	240	Mar 12	760	Feb 28	119	Sep 4, 2002
MAXIMUM PEAK FLOW			50,500	Apr 21	91,700	Apr 29, 1979
MAXIMUM PEAK STAGE			21.34	Apr 15	37.89	Apr 9, 1991
INSTANTANEOUS LOW FLOW					106	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.92		2.08		1.77	
ANNUAL RUNOFF (INCHES)	26.01		28.30		24.06	
10 PERCENT EXCEEDS	14,600		13,300		11,900	
50 PERCENT EXCEEDS	2,310		3,390		2,000	
90 PERCENT EXCEEDS	307		946		550	



01011000 ALLAGASH RIVER NEAR ALLAGASH, ME

LOCATION.--Lat 47°04'11", long 69°04'46" (corrected), Aroostook County, Hydrologic Unit 01010002, on left bank 3.0 mi upstream from mouth and village of Allagash.

DRAINAGE AREA.--1,229 mi², not including 249 mi² drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--

DISCHARGE: July 1910 to November 1910, May to November 1911, September 1931 to current year. Monthly discharges only for some periods prior to November 1911, published in WSP 1301.

CHEMICAL ANALYSES: Water years 1952-53, 1975, 1981.

SPECIFIC CONDUCTANCE: April 1975 to September 1980.

WATER TEMPERATURE: April 1975 to September 1980.

SUSPENDED SEDIMENT DISCHARGE: October 1975 to September 1976.

REVISED RECORDS.--WSP 1231: 1911. WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 604.6 ft above National Geodetic Vertical Datum of 1929. Prior to December 1911, nonrecording gage at site 3.0 mi downstream at different datum.

REMARKS.--Records good, except for period of ice effect, Dec. 2 to Apr. 18, which is poor. Some regulation for recreational purposes since May 1969 by Churchill Lake, usable capacity, about 3.4 billion ft³, 58 mi upstream. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,900 ft³/s, Apr. 18, 1983, gage height, 13.68 ft; maximum gage height, 19.78 ft, Apr. 10, 1991 (backwater from ice); minimum discharge, 87 ft³/s, Sept. 11, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,000 ft³/s, Apr. 20, gage height, 8.75 ft; maximum gage height, 14.02 ft, Dec. 19 (backwater from ice); minimum daily discharge, 302 ft³/s, Mar. 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,870	7,380	5,370	e3,480	e602	e303	e1,470	3,670	1,690	1,550	1,860	1,700
2	1,560	6,200	e4,520	e3,160	e594	e302	e1,850	3,480	1,660	1,560	1,980	1,550
3	1,410	5,430	e3,730	e2,900	e572	e307	e2,200	3,270	2,320	1,610	1,540	1,440
4	1,250	4,860	e3,190	e2,660	e555	e333	e2,370	3,610	2,650	1,500	1,360	1,450
5	1,380	4,470	e2,790	e2,420	e536	e342	e2,460	4,450	2,550	1,370	1,190	1,660
6	1,540	4,230	e2,440	e2,210	e519	e373	e2,350	4,000	2,330	1,250	1,080	1,900
7	1,310	3,820	e2,240	e2,010	e502	e458	e2,210	3,520	2,120	1,110	1,000	1,850
8	1,140	3,390	e2,080	e1,840	e485	e542	e2,090	3,070	1,950	1,060	948	1,770
9	994	2,970	e1,970	e1,700	e469	e594	e2,040	2,700	1,780	1,470	938	1,770
10	846	2,660	e1,900	e1,590	e460	e594	e2,000	2,380	1,570	2,090	879	3,880
11	751	2,490	e2,000	e1,500	e438	e549	e2,000	2,180	1,360	2,070	857	5,080
12	680	2,390	e2,140	e1,400	e424	e508	e2,280	1,980	1,180	1,810	1,020	4,320
13	622	2,600	e2,210	e1,330	e409	e470	e2,950	1,810	1,070	1,570	6,570	3,770
14	571	3,900	e2,190	e1,250	e396	e435	e3,810	1,780	995	1,370	13,300	3,230
15	563	4,050	e2,060	e1,190	e385	e408	e4,570	1,750	990	1,250	10,700	2,780
16	824	3,740	e1,950	e1,140	e374	e388	e4,940	1,630	1,110	1,400	8,040	2,450
17	1,010	3,450	e1,860	e1,080	e363	e382	e5,550	1,500	1,010	1,860	5,970	2,190
18	904	3,150	e2,320	e1,030	e357	e375	e6,820	1,410	908	2,070	4,580	1,960
19	942	2,980	e2,950	e981	e355	e379	9,410	1,570	908	1,890	3,710	1,660
20	907	3,720	e3,250	e938	e353	e379	13,400	1,680	1,480	1,710	3,190	1,490
21	811	5,150	e3,230	e901	e350	e366	12,500	1,640	1,640	1,640	2,780	1,370
22	751	4,910	e3,150	e861	e342	e361	10,900	1,450	1,590	1,510	2,570	1,200
23	716	4,270	e3,080	e827	e334	e354	10,100	1,330	1,850	1,510	2,330	1,100
24	714	3,760	e3,410	e796	e326	e354	8,730	1,210	2,110	1,980	2,150	1,010
25	699	3,410	e3,940	e769	e319	e365	7,340	1,260	1,820	1,890	1,970	927
26	703	3,090	e4,480	e738	e313	e390	6,110	1,640	1,630	1,670	1,820	859
27	1,780	2,810	e4,900	e712	e310	e451	4,980	2,090	1,390	1,470	1,700	789
28	5,660	2,670	e4,780	e684	e307	e523	4,480	2,410	1,220	1,330	1,580	765
29	6,830	3,960	e4,540	e659	e305	e656	4,010	2,450	1,120	1,230	1,460	769
30	9,450	5,790	e4,180	e637	---	e857	3,720	2,270	1,220	1,140	1,410	728
31	8,780	---	e3,840	e618	---	e1,120	---	1,980	---	1,100	1,600	---
TOTAL	57,968	117,700	96,690	44,011	12,054	14,218	149,640	71,170	47,221	48,040	92,082	57,417
MEAN	1,870	3,923	3,119	1,420	416	459	4,988	2,296	1,574	1,550	2,970	1,914
MAX	9,450	7,380	5,370	3,480	602	1,120	13,400	4,450	2,650	2,090	13,300	5,080
MIN	563	2,390	1,860	618	305	302	1,470	1,210	908	1,060	857	728
CFSM	1.52	3.19	2.54	1.16	0.34	0.37	4.06	1.87	1.28	1.26	2.42	1.56
IN.	1.75	3.56	2.93	1.33	0.36	0.43	4.53	2.15	1.43	1.45	2.79	1.74

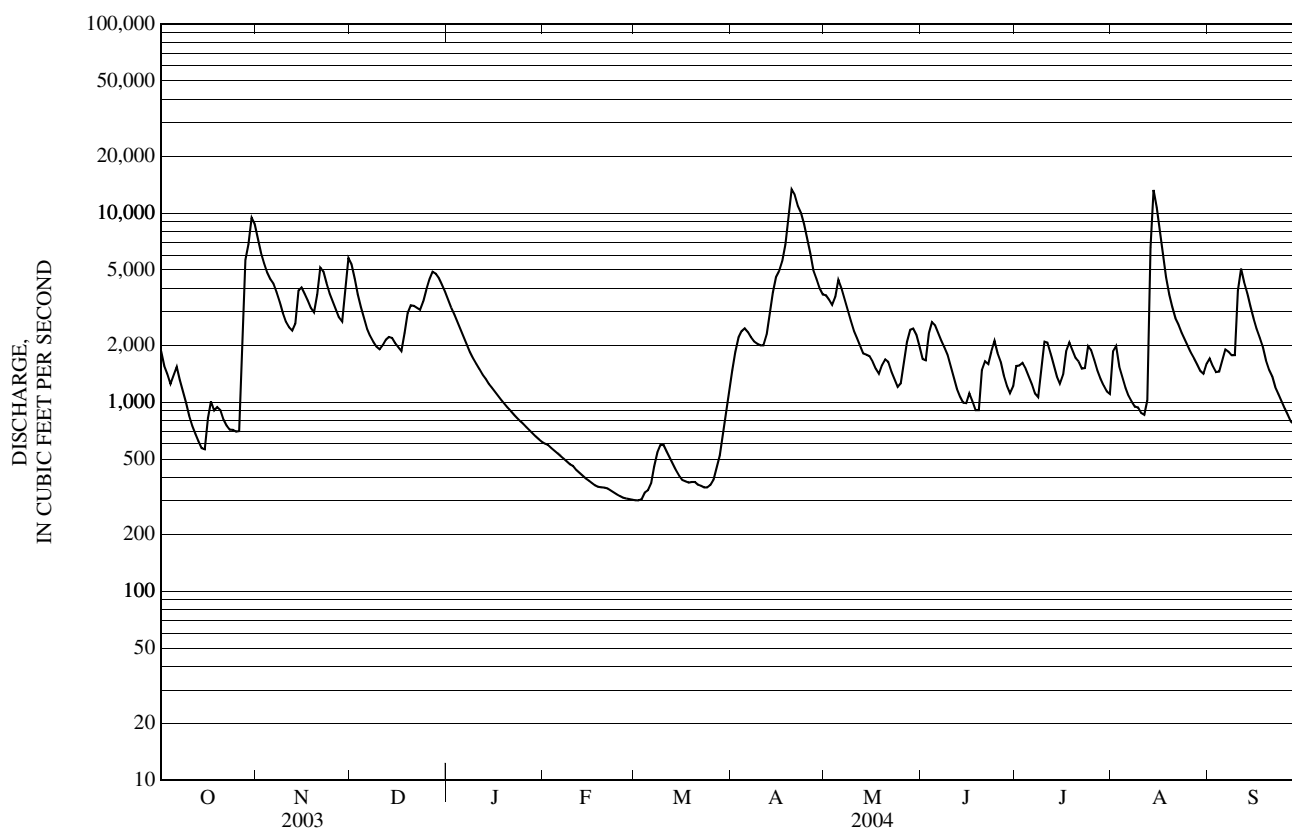
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2004, BY WATER YEAR (WY)

	MEAN	1,249	1,580	1,197	725	588	776	4,794	6,336	2,208	1,409	1,107	1,056
MAX	5,068	4,628	4,549	1,865	2,400	3,610	10,100	13,550	4,544	4,053	5,292	3,419	
(WY)	(1991)	(1964)	(1951)	(1958)	(1996)	(1979)	(1976)	(1961)	(1947)	(1954)	(1976)	(1999)	
MIN	149	235	252	192	119	181	623	1,269	611	365	165	122	
(WY)	(1969)	(1969)	(1969)	(1948)	(1948)	(1956)	(1944)	(1987)	(1998)	(1965)	(1968)	(1968)	

e Estimated

01011000 ALLAGASH RIVER NEAR ALLAGASH, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910 - 2004	
ANNUAL TOTAL	774,804		808,211		1,932	
ANNUAL MEAN	2,123		2,208		2,899	
HIGHEST ANNUAL MEAN					989	
LOWEST ANNUAL MEAN					32,100	
HIGHEST DAILY MEAN	11,400	Apr 24	13,400	Apr 20	91	Apr 18, 1983
LOWEST DAILY MEAN	224	Mar 18	302	Mar 2	91	Mar 9, 1948
ANNUAL SEVEN-DAY MINIMUM	226	Mar 13	307	Feb 26	91	Mar 9, 1948
MAXIMUM PEAK FLOW			14,000	Apr 20	36,900	Apr 18, 1983
MAXIMUM PEAK STAGE			14.02	Dec 19	19.78	Apr 10, 1991
INSTANTANEOUS LOW FLOW					87	Sep 11, 1960
ANNUAL RUNOFF (CFSM)	1.73		1.80		1.57	
ANNUAL RUNOFF (INCHES)	23.45		24.46		21.36	
10 PERCENT EXCEEDS	4,810		4,490		4,640	
50 PERCENT EXCEEDS	1,510		1,640		973	
90 PERCENT EXCEEDS	254		432		315	



01011500 ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE, NEAR
CONNORS, NEW BRUNSWICK

(International gaging station)

LOCATION.--Lat 47°12'25", long 68°57'25", Madawaska County, on left bank at outlet of Glasier Lake, 4.0 mi upstream from mouth, and 6.5 mi west of Connors.

DRAINAGE AREA.--524 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1951 to current year.

REVISED RECORDS.--WDR ME-82-1: Drainage area. WDR ME-97-1: 1992(M). WDR ME-00-1: 1999.

GAGE.--Water-stage recorder. Elevation of gage is 550 ft, from International Boundary Map.

REMARKS.--Records good, including period of ice effect, Jan. 19 to Feb. 19. Satellite telemeter at station.

COOPERATION.--This station is maintained by Canada under agreement with the United States.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,000 ft³/s, Apr. 30, 1979, gage height, 15.39 ft; minimum daily discharge, 60 ft³/s, Oct. 11, 1978.EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,400 ft³/s, Apr. 23, gage height, 9.06 ft; minimum daily discharge, 186 ft³/s, Mar. 25.DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	600	4,060	2,200	2,060	e392	219	480	2,820	1,170	865	1,030	837
2	724	3,710	2,360	1,980	e381	218	632	3,080	1,120	837	1,300	865
3	749	3,190	2,230	1,860	e371	219	844	3,410	1,100	812	1,470	883
4	699	2,740	2,020	1,740	e364	215	1,050	3,670	1,120	787	1,410	904
5	678	2,360	1,810	1,640	e357	214	1,230	3,920	1,140	756	1,240	932
6	639	2,100	1,610	1,520	e350	230	1,300	3,990	1,120	724	1,080	971
7	614	1,890	1,470	1,390	e343	231	1,280	3,780	1,070	674	950	968
8	597	1,730	1,350	1,260	e335	225	1,230	3,330	1,010	643	847	946
9	572	1,570	1,230	1,130	e328	222	1,180	2,930	964	671	773	929
10	540	1,420	1,120	1,020	e321	220	1,150	2,560	907	706	696	1,290
11	512	1,300	1,030	943	e314	218	1,140	2,270	840	770	650	2,390
12	484	1,210	1,030	879	e307	219	1,130	2,030	777	798	664	3,520
13	459	1,150	1,050	830	e300	220	1,100	1,840	713	784	1,200	3,570
14	434	1,160	1,050	780	e293	215	1,250	1,680	660	738	2,900	3,130
15	417	1,150	1,080	731	e286	215	1,640	1,600	629	699	4,170	2,690
16	427	1,120	1,060	689	e279	214	2,120	1,570	600	696	4,100	2,330
17	417	1,070	999	657	e275	212	2,480	1,520	572	763	3,380	2,040
18	420	1,020	1,020	629	e272	206	2,730	1,450	547	897	2,690	1,790
19	427	960	1,110	e600	e268	202	3,000	1,520	547	1,020	2,180	1,580
20	427	982	1,250	e569	265	198	3,710	1,890	576	1,030	1,830	1,400
21	427	1,260	1,390	e551	261	199	4,630	2,190	618	968	1,560	1,250
22	420	1,900	1,460	e530	259	197	5,260	2,150	657	879	1,370	1,140
23	413	2,340	1,450	e512	257	191	5,330	1,980	706	900	1,200	1,040
24	410	2,360	1,410	e498	251	188	5,160	1,780	738	1,140	1,080	950
25	392	2,210	1,390	e484	245	186	4,770	1,620	819	1,480	964	876
26	388	2,010	1,510	e470	241	187	4,270	1,500	900	1,630	869	819
27	441	1,820	1,790	e456	233	209	3,810	1,420	978	1,530	798	759
28	643	1,660	2,050	e441	228	223	3,360	1,360	999	1,350	738	710
29	1,280	1,660	2,150	e427	222	243	3,040	1,340	957	1,180	685	667
30	2,460	1,850	2,130	e413	---	287	2,860	1,300	922	1,040	674	629
31	3,670	---	2,080	e403	---	367	---	1,240	---	943	766	---
TOTAL	21,780	54,962	46,889	28,092	8,598	6,809	73,166	68,740	25,476	28,710	45,264	42,805
MEAN	703	1,832	1,513	906	296	220	2,439	2,217	849	926	1,460	1,427
MAX	3,670	4,060	2,360	2,060	392	367	5,330	3,990	1,170	1,630	4,170	3,570
MIN	388	960	999	403	222	186	480	1,240	547	643	650	629
CFSM	1.34	3.50	2.89	1.73	0.57	0.42	4.65	4.23	1.62	1.77	2.79	2.72
IN.	1.55	3.90	3.33	1.99	0.61	0.48	5.19	4.88	1.81	2.04	3.21	3.04

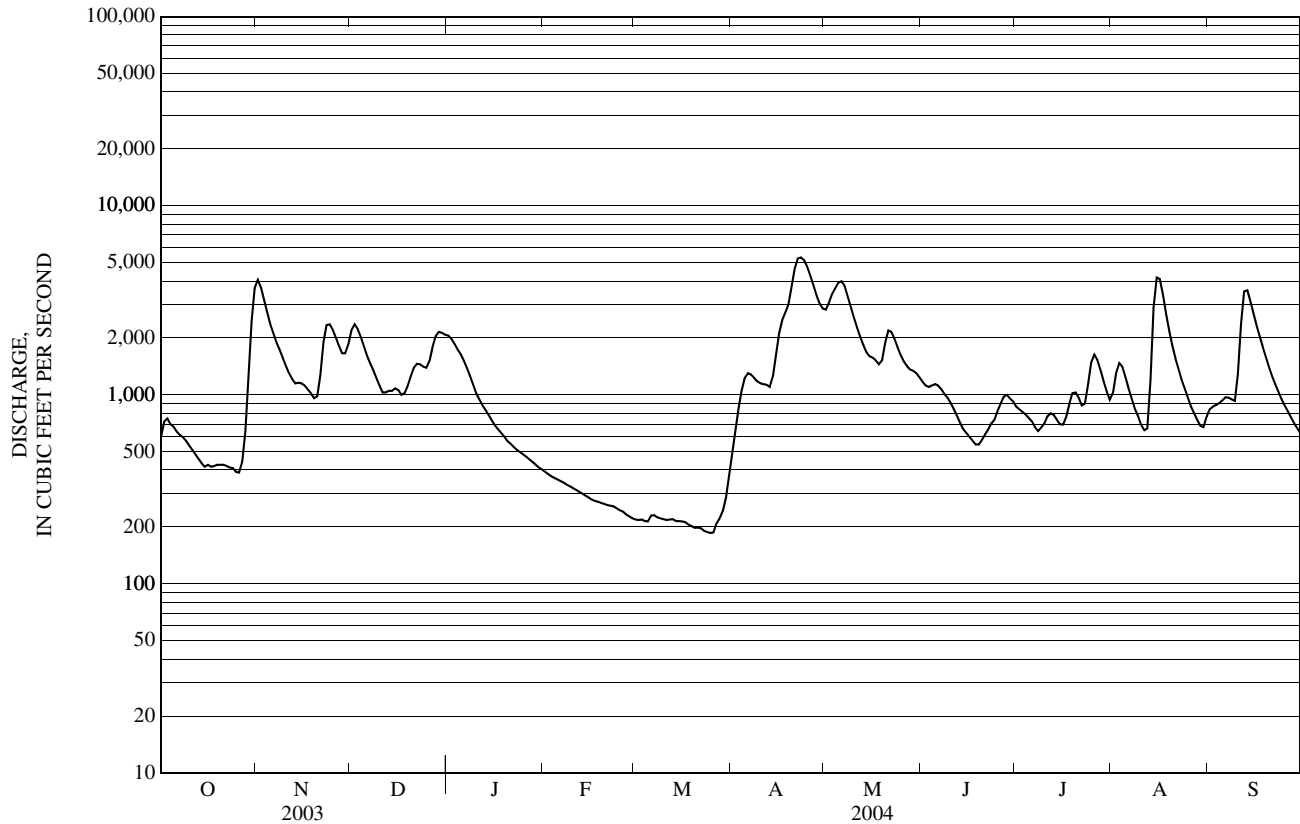
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	520	717	553	334	275	318	2,197	3,276	948	519	457	391
MAX	1,650	1,889	1,513	906	1,072	1,116	4,554	6,360	1,954	1,730	2,055	1,427
(WY)	(1955)	(1964)	(2004)	(2004)	(1981)	(1981)	(1983)	(1974)	(1994)	(1992)	(1981)	(2004)
MIN	84.3	97.4	102	115	111	107	558	606	438	206	101	83.4
(WY)	(1969)	(1979)	(1979)	(1990)	(2003)	(1962)	(1967)	(1987)	(1998)	(1991)	(1978)	(1978)

e Estimated

01011500 ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE, NEAR—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	329,935		451,291			
ANNUAL MEAN	904		1,233		878	
HIGHEST ANNUAL MEAN					1,285	
LOWEST ANNUAL MEAN					485	
HIGHEST DAILY MEAN	5,050	Apr 26	5,330	Apr 23	14,500	Apr 30, 1979
LOWEST DAILY MEAN	90	Mar 20	186	Mar 25	60	Oct 11, 1978
ANNUAL SEVEN-DAY MINIMUM	91	Mar 14	192	Mar 20	64	Oct 3, 2000
MAXIMUM PEAK FLOW			5,400	Apr 23	15,000	Apr 30, 1979
MAXIMUM PEAK STAGE			9.06	Apr 23	15.39	Apr 30, 1979
ANNUAL RUNOFF (CFSM)	1.73		2.35		1.68	
ANNUAL RUNOFF (INCHES)	23.42		32.04		22.76	
10 PERCENT EXCEEDS	2,240		2,600		2,100	
50 PERCENT EXCEEDS	459		970		424	
90 PERCENT EXCEEDS	105		258		149	



01013500 FISH RIVER NEAR FORT KENT, ME

LOCATION.--Lat 47°14'15", long 68°34'58" (corrected), Aroostook County, Hydrologic Unit 01010003, on right bank 300 ft upstream from highway bridge at Fort Kent Mills, 2 mi upstream from mouth, and 2 mi south of Fort Kent.

DRAINAGE AREA.--873 mi².

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, Jan. 5 to Apr. 1, which is poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,800 ft³/s, Apr. 30, 1973, gage height, 12.43 ft; minimum discharge, 34 ft³/s, Aug. 29, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,360 ft³/s, Apr. 22, gage height, 7.39 ft; maximum gage height, 8.66 ft, Jan. 28 (backwater from ice); minimum daily discharge, 344 ft³/s, Mar. 2-4.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,890	5,100	3,790	2,780	e676	e347	e665	3,970	1,170	1,040	1,030	1,370
2	1,960	5,010	3,800	2,700	e655	e344	784	3,800	1,180	1,130	1,010	1,260
3	1,980	4,810	3,670	2,640	e637	e344	998	3,650	1,240	1,120	1,000	1,210
4	1,950	4,540	3,510	2,580	e617	e344	1,160	3,720	1,200	1,130	970	1,160
5	2,090	4,350	3,320	e2,440	e598	e368	1,360	3,720	1,190	1,140	937	1,080
6	2,040	4,100	3,120	e2,320	e579	e420	1,530	3,600	1,170	1,110	895	1,010
7	1,980	3,880	2,990	e2,160	e564	e449	1,650	3,440	1,160	1,070	847	961
8	1,930	3,620	2,900	e2,020	e546	e444	1,770	3,250	1,140	1,070	831	919
9	1,840	3,360	2,720	e1,900	e532	e438	1,870	3,050	1,110	1,580	813	963
10	1,760	3,150	2,570	e1,770	e517	e433	1,950	2,860	1,050	1,740	774	1,740
11	1,680	2,950	2,470	e1,670	e503	e426	2,010	2,670	996	1,730	846	1,940
12	1,610	2,790	2,570	e1,580	e491	e418	2,060	2,490	957	1,730	901	2,050
13	1,540	2,830	2,440	e1,480	e478	e411	2,100	2,330	927	1,730	2,490	2,100
14	1,470	2,910	2,320	e1,400	e466	e407	2,610	2,230	888	1,670	3,590	2,080
15	1,480	2,850	2,300	e1,320	e455	e401	3,090	2,100	863	1,660	3,730	2,030
16	1,600	2,790	2,330	e1,250	e444	e394	3,460	1,980	843	1,700	3,770	1,960
17	1,560	2,710	2,260	e1,190	e436	e387	3,760	1,880	806	1,640	3,660	1,870
18	1,530	2,600	2,360	e1,130	e426	e380	4,160	1,820	775	1,570	3,460	1,760
19	1,500	2,550	2,360	e1,080	e418	e375	4,810	1,770	809	1,520	3,260	1,640
20	1,460	2,730	2,310	e1,030	e410	e371	5,800	1,680	837	1,470	3,010	1,560
21	1,430	2,970	2,290	e992	e401	e368	6,200	1,590	839	1,410	2,770	1,470
22	1,410	3,050	2,230	e955	e394	e364	6,260	1,500	840	1,340	2,570	1,400
23	1,400	3,090	2,210	e916	e387	e360	6,150	1,430	928	1,300	2,380	1,320
24	1,420	3,090	2,180	e885	e381	e354	5,930	1,350	944	1,280	2,190	1,260
25	1,400	3,020	2,260	e855	e373	e353	5,660	1,350	956	1,190	2,020	1,210
26	1,400	2,910	2,560	e829	e368	e353	5,330	1,330	940	1,120	1,890	1,130
27	1,780	2,790	2,630	e798	e361	e378	4,990	1,350	917	1,050	1,770	1,080
28	2,410	2,720	2,700	e773	e356	e410	4,730	1,350	886	990	1,640	1,010
29	3,140	3,460	2,760	e745	e351	e448	4,450	1,290	849	953	1,530	963
30	4,640	3,680	2,830	e720	---	e497	4,180	1,240	1,000	921	1,460	919
31	4,950	---	2,860	e696	---	e573	---	1,210	---	883	1,460	---
TOTAL	60,230	100,410	83,620	45,604	13,820	12,359	101,477	71,000	29,410	40,987	59,504	42,425
MEAN	1,943	3,347	2,697	1,471	477	399	3,383	2,290	980	1,322	1,919	1,414
MAX	4,950	5,100	3,800	2,780	676	573	6,260	3,970	1,240	1,740	3,770	2,100
MIN	1,400	2,550	2,180	696	351	344	665	1,210	775	883	774	919
CFSM	2.23	3.83	3.09	1.69	0.55	0.46	3.87	2.62	1.12	1.51	2.20	1.62
IN.	2.57	4.28	3.56	1.94	0.59	0.53	4.32	3.03	1.25	1.75	2.54	1.81

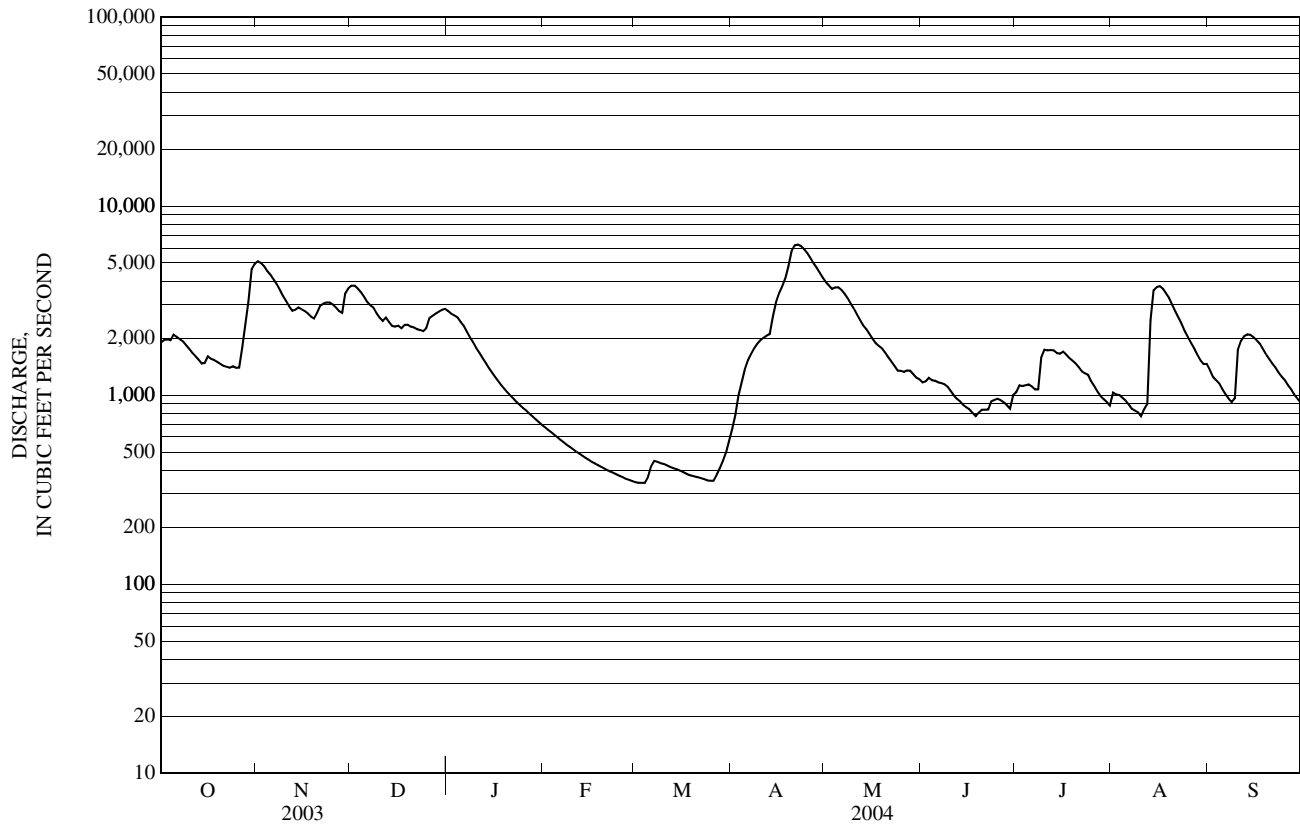
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

MEAN	759	1,193	1,075	631	494	572	3,138	5,047	1,765	953	716	579
MAX	2,776	4,116	4,688	1,891	1,750	3,104	7,495	8,951	3,696	3,075	3,571	2,492
(WY)	(1991)	(1964)	(1951)	(1958)	(1996)	(1936)	(1953)	(1969)	(1961)	(1954)	(1954)	(1963)
MIN	63.1	98.2	103	149	116	107	390	1,327	652	294	112	51.7
(WY)	(1906)	(1906)	(1956)	(1904)	(1904)	(1944)	(1944)	(1987)	(1988)	(1965)	(1968)	(1968)

e Estimated

01013500 FISH RIVER NEAR FORT KENT, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	711,141		660,846		1,418	
ANNUAL MEAN	1,948		1,806		2,175	
HIGHEST ANNUAL MEAN					773	
LOWEST ANNUAL MEAN					15,600	
HIGHEST DAILY MEAN	7,730	Apr 28	6,260	Apr 22	42	Apr 30, 1973
LOWEST DAILY MEAN	261	Mar 4	344	Mar 2	44	Oct 4, 1995
ANNUAL SEVEN-DAY MINIMUM	264	Mar 4	350	Feb 27	15,800	Apr 30, 1973
MAXIMUM PEAK FLOW			6,360	Apr 22	12.43	Apr 30, 1973
MAXIMUM PEAK STAGE			8.66	Jan 28	34	Aug 29, 1968
INSTANTANEOUS LOW FLOW					1.62	
ANNUAL RUNOFF (CFSM)	2.23		2.07		22.07	
ANNUAL RUNOFF (INCHES)	30.30		28.16		3,580	
10 PERCENT EXCEEDS	4,600		3,610		726	
50 PERCENT EXCEEDS	1,480		1,480		225	
90 PERCENT EXCEEDS	281		431			



01014000 ST. JOHN RIVER BELOW FISH RIVER, AT FORT KENT, ME

(International gaging station)

LOCATION.--Lat 47°15'29", long 68°35'38" (corrected), Aroostook County, Hydrologic Unit 01010001, on right bank at Fort Kent and 0.2 miles downstream from Fish River.

DRAINAGE AREA.--5,665 mi², not including 249 mi² drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--

DISCHARGE: October 1926 to current year. Prior to October 1931, published as "at Fort Kent."

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

GAGE.--Water-stage recorder. Datum of gage is 488.81 ft above National Geodetic Vertical Datum of 1929. Prior to October 10, 1933, nonrecording gage, and August 23, 2001 to November 4, 2002, water-stage recorder on left bank at Clair, New Brunswick, Canada at same datum.

REMARKS.--Records good, except for period of ice effect, Dec. 3 to Apr. 18, and period of no gage-height record, Jan. 13-20, which are poor. Telephone and satellite telemeters at station.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft³/s, Apr. 30, 1979, gage height, 27.31 ft; minimum daily discharge, 510 ft³/s, Mar. 13-15, 1948.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 45,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 31	0300	52,700	15.89	Aug 14	1815	68,100	18.10
Apr 21	0645	*80,500	*19.72				

Minimum daily discharge, 1,700 ft³/s, Mar. 5.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,610	40,900	29,700	e19,700	e3,010	e1,780	e6,200	23,300	9,490	6,520	7,760	9,240
2	6,640	31,900	25,300	e17,500	e2,940	e1,760	e7,650	25,500	8,630	7,100	15,700	9,980
3	6,210	26,100	e20,000	e15,500	e2,840	e1,740	e9,150	25,400	10,100	7,550	14,200	8,650
4	5,770	22,100	e15,400	e14,000	e2,790	e1,710	e10,400	25,700	17,300	7,230	10,500	7,660
5	5,970	19,500	e12,500	e12,500	e2,710	e1,700	e10,700	30,400	15,900	6,580	8,440	7,770
6	6,370	17,800	e11,100	e11,200	e2,660	e1,710	e10,500	31,600	12,900	6,000	7,110	13,200
7	6,470	16,700	e10,300	e10,300	e2,600	e1,770	e9,970	26,500	10,800	5,450	6,320	11,900
8	6,560	16,000	e9,640	e9,370	e2,530	e1,830	e9,450	22,100	9,420	5,030	5,760	9,910
9	6,100	14,300	e9,260	e8,640	e2,480	e1,910	e9,120	18,700	8,470	6,690	5,420	8,810
10	5,490	12,600	e8,950	e7,970	e2,430	e1,990	e8,900	16,100	7,600	7,910	5,150	15,100
11	4,970	11,500	e9,370	e7,400	e2,380	e2,110	e8,720	14,200	6,740	8,360	5,020	34,200
12	4,540	11,000	e10,000	e6,920	e2,320	e2,270	e8,640	12,800	5,950	8,070	5,180	33,700
13	4,210	11,100	e10,200	e6,500	e2,270	e2,440	e8,600	11,700	5,320	7,520	18,800	25,300
14	3,880	13,200	e10,300	e6,110	e2,230	e2,560	e10,200	11,000	4,830	6,720	62,100	19,700
15	3,810	17,900	e10,700	e5,750	e2,190	e2,550	e13,300	10,600	4,620	6,180	60,400	16,200
16	4,500	17,100	e9,910	e5,420	e2,140	e2,450	e17,900	10,400	4,630	6,270	43,600	13,700
17	4,990	14,800	e10,700	e5,120	e2,110	e2,300	e23,200	9,860	4,620	8,310	31,100	11,900
18	5,060	13,000	e10,400	e4,860	e2,070	e2,190	e32,400	9,240	4,580	9,640	23,300	10,500
19	5,480	11,900	e11,500	e4,640	e2,050	e2,090	45,400	9,400	4,620	10,300	18,400	9,360
20	5,270	13,100	e15,800	e4,450	e2,010	e1,990	65,900	11,500	4,960	9,380	15,300	8,390
21	4,870	24,300	e19,400	e4,250	e1,980	e1,930	78,500	13,700	5,840	8,440	13,300	7,750
22	4,610	31,300	e21,100	e4,100	e1,960	e1,860	67,700	12,200	7,250	7,590	11,900	7,130
23	4,440	26,800	e21,100	e3,950	e1,940	e1,820	56,100	10,300	7,560	7,560	10,700	6,570
24	4,450	21,900	e19,700	e3,820	e1,910	e1,770	48,300	8,930	8,440	13,100	9,730	6,080
25	4,310	18,600	e17,900	e3,680	e1,890	e1,740	39,700	8,290	8,610	20,800	8,880	5,670
26	4,310	16,200	e20,000	e3,580	e1,860	e1,750	32,800	9,360	8,510	16,400	8,150	5,300
27	6,120	14,200	e24,200	e3,470	e1,830	e1,910	27,800	14,200	9,130	11,900	7,500	4,950
28	15,800	13,100	e26,500	e3,360	e1,820	e2,320	25,100	15,100	7,920	9,370	6,900	4,640
29	32,800	15,700	e26,700	e3,270	e1,810	e2,870	24,000	14,400	6,720	7,810	6,340	4,440
30	45,100	24,800	e24,500	e3,170	---	e3,680	22,500	12,800	6,530	6,800	6,130	4,240
31	50,300	---	e22,200	e3,090	---	e4,860	---	11,100	---	6,190	7,000	---
TOTAL	287,010	559,400	504,330	223,590	65,760	67,360	748,800	486,380	237,990	262,770	466,090	341,940
MEAN	9,258	18,650	16,270	7,213	2,268	2,173	24,960	15,690	7,933	8,476	15,040	11,400
MAX	50,300	40,900	29,700	19,700	3,010	4,860	78,500	31,600	17,300	20,800	62,100	34,200
MIN	3,810	11,000	8,950	3,090	1,810	1,700	6,200	8,290	4,580	5,030	5,020	4,240
CFSM	1.63	3.29	2.87	1.27	0.40	0.38	4.41	2.77	1.40	1.50	2.65	2.01
IN.	1.88	3.67	3.31	1.47	0.43	0.44	4.92	3.19	1.56	1.73	3.06	2.25

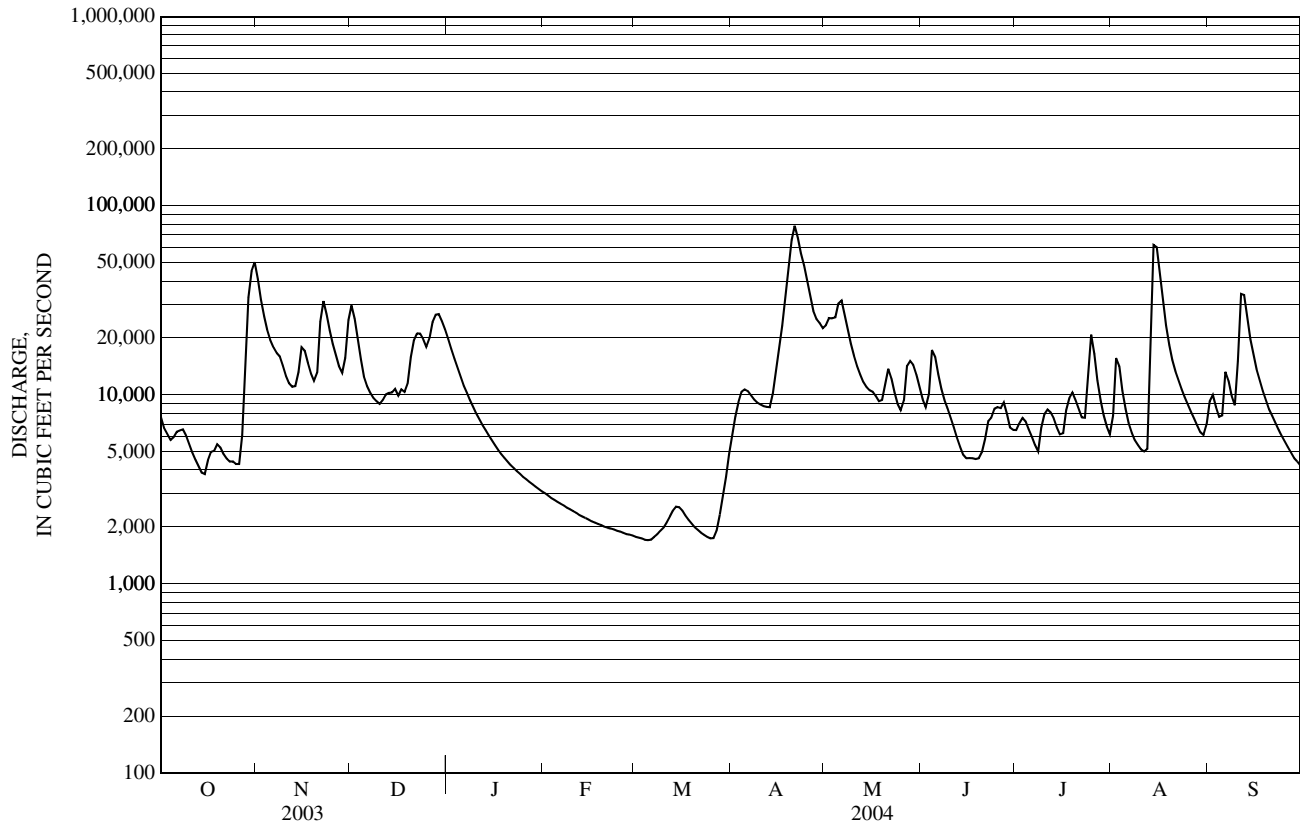
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2004, BY WATER YEAR (WY)

MEAN	6,536	8,563	5,831	3,310	2,536	3,577	25,310	33,080	10,490	6,393	5,250	4,771
MAX	19,840	24,220	22,900	8,093	12,010	23,590	49,210	68,160	21,800	17,250	24,640	14,700
(WY)	(1991)	(1928)	(1951)	(1995)	(1996)	(1936)	(1983)	(1974)	(1947)	(1984)	(1981)	(1954)
MIN	1,116	1,367	1,232	871	562	669	3,298	6,464	3,374	2,077	910	893
(WY)	(1969)	(1948)	(1956)	(1948)	(1948)	(1944)	(1944)	(1987)	(1998)	(1991)	(1968)	(2002)

c Estimated

01014000 ST. JOHN RIVER BELOW FISH RIVER, AT FORT KENT, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1927 - 2004	
ANNUAL TOTAL	3,929,522		4,251,420		9,661	
ANNUAL MEAN	10,770		11,620		14,100	
HIGHEST ANNUAL MEAN					5,667	
LOWEST ANNUAL MEAN					146,000	
HIGHEST DAILY MEAN	61,300	Apr 25	78,500	Apr 21	1928	
LOWEST DAILY MEAN	816	Mar 19	1,700	Mar 5	1965	
ANNUAL SEVEN-DAY MINIMUM	825	Mar 13	1,740	Mar 1	Apr 30, 1979	
MAXIMUM PEAK FLOW			80,500	Apr 21	Mar 9, 1948	
MAXIMUM PEAK STAGE			19.72	Apr 21	Apr 30, 1979	
ANNUAL RUNOFF (CFSM)	1.90		2.05		27.31	
ANNUAL RUNOFF (INCHES)	25.80		27.92		1.71	
10 PERCENT EXCEEDS	26,300		24,900		23,000	
50 PERCENT EXCEEDS	6,740		8,560		4,600	
90 PERCENT EXCEEDS	996		2,220		1,500	



01015800 AROOSTOOK RIVER NEAR MASARDIS, ME

LOCATION.--Lat 46°31'23", long 68°22'18" (corrected), Aroostook County, Hydrologic Unit 01010004, on left bank, 180 ft upstream from highway bridge, and 1.8 mi downstream from St. Croix Stream and Masardis.

DRAINAGE AREA.--892 mi².

PERIOD OF RECORD.--

DISCHARGE: September 1957 to current year.

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 530.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for period of no gage-height record, Oct. 19 to Nov. 10, which is fair, and period of ice effect, Dec. 4 to Apr. 14, which is poor. Slight regulation by Millinocket Lake, capacity 1.11 billion ft³, used for power. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,100 ft³/s, Apr. 19, 1983, gage height, 17.70 ft; maximum gage height, 18.00 ft, Apr. 18, 1994 (backwater from ice); minimum discharge, 41 ft³/s, Sept. 26-27, 1968, gage height, 1.89 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,800 ft³/s, Oct. 30, gage height, 13.32 ft; minimum daily discharge, 205 ft³/s, Mar. 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,840	e7,640	4,470	e3,250	e522	e207	e3,310	2,210	1,000	570	426	480
2	1,350	e5,850	3,670	e2,800	e501	e205	e4,090	2,070	942	659	455	549
3	1,110	e4,520	2,730	e2,460	e481	e219	e4,750	1,960	1,190	826	425	522
4	990	e3,620	e2,000	e2,180	e461	e290	e5,390	2,360	1,480	890	388	603
5	1,060	e2,920	e1,620	e1,990	e444	e420	e5,590	3,280	1,430	805	356	1,100
6	1,250	e2,540	e1,350	e1,830	e426	e454	e5,110	3,080	1,220	685	318	1,120
7	1,200	e2,280	e1,190	e1,690	e409	e459	e4,220	2,590	1,050	593	293	967
8	1,070	e2,050	e1,080	e1,570	e393	e448	e3,530	2,180	960	527	279	835
9	923	e1,840	e1,010	e1,470	e376	e431	e3,060	1,850	881	582	262	798
10	796	e1,680	e979	e1,380	e364	e414	e2,770	1,600	781	931	249	1,940
11	706	1,610	e967	e1,300	e350	e399	e2,580	1,420	664	1,170	242	3,220
12	641	1,500	e1,250	e1,230	e339	e386	e2,430	1,300	576	1,050	247	2,970
13	777	1,660	e1,170	e1,160	e326	e378	e2,360	1,180	507	862	651	2,320
14	971	2,850	e1,050	e1,110	e316	e365	e3,330	1,100	459	736	2,800	1,820
15	994	3,180	e986	e1,060	e305	e357	6,310	1,040	432	682	3,230	1,490
16	1,800	2,720	e939	e1,010	e296	e348	7,370	978	409	765	2,420	1,250
17	2,420	2,350	e989	e968	e288	e345	6,640	890	384	821	1,790	1,080
18	2,300	2,020	e1,590	e928	e279	e337	5,830	824	355	822	1,350	949
19	e1,980	1,800	e2,450	e883	e270	e332	5,880	976	372	752	1,070	827
20	e1,730	1,960	e2,800	e850	e261	e326	7,280	1,120	573	727	921	738
21	e1,510	4,040	e3,000	e819	e255	e321	7,490	999	699	682	838	665
22	e1,380	4,860	e2,920	e786	e245	e318	6,290	859	653	612	893	609
23	e1,310	4,230	e2,680	e755	e237	e313	5,240	745	764	533	888	563
24	e1,290	3,380	e2,410	e723	e232	e311	4,490	672	1,060	643	793	515
25	e1,280	2,800	e2,370	e696	e226	e317	3,820	906	1,080	984	689	472
26	e1,350	2,420	e3,840	e668	e221	e336	3,290	1,520	975	918	596	458
27	e1,890	2,100	e5,340	e638	e216	e385	2,890	1,690	818	746	528	444
28	e4,880	1,920	e5,740	e612	e213	e556	2,800	1,650	670	611	474	421
29	e6,660	2,760	e5,160	e589	e209	e831	2,650	1,530	565	517	440	402
30	e9,280	4,510	e4,360	e565	---	e1,470	2,400	1,370	517	456	427	374
31	e8,880	---	e3,710	e542	---	e2,560	---	1,160	---	422	436	---
TOTAL	65,618	89,610	75,820	38,512	9,461	14,838	133,190	47,109	23,466	22,579	25,174	30,501
MEAN	2,117	2,987	2,446	1,242	326	479	4,440	1,520	782	728	812	1,017
MAX	9,280	7,640	5,740	3,250	522	2,560	7,490	3,280	1,480	1,170	3,230	3,220
MIN	641	1,500	939	542	209	205	2,360	672	355	422	242	374
CFSM	2.37	3.35	2.74	1.39	0.37	0.54	4.98	1.70	0.88	0.82	0.91	1.14
IN.	2.74	3.74	3.16	1.61	0.39	0.62	5.55	1.96	0.98	0.94	1.05	1.27

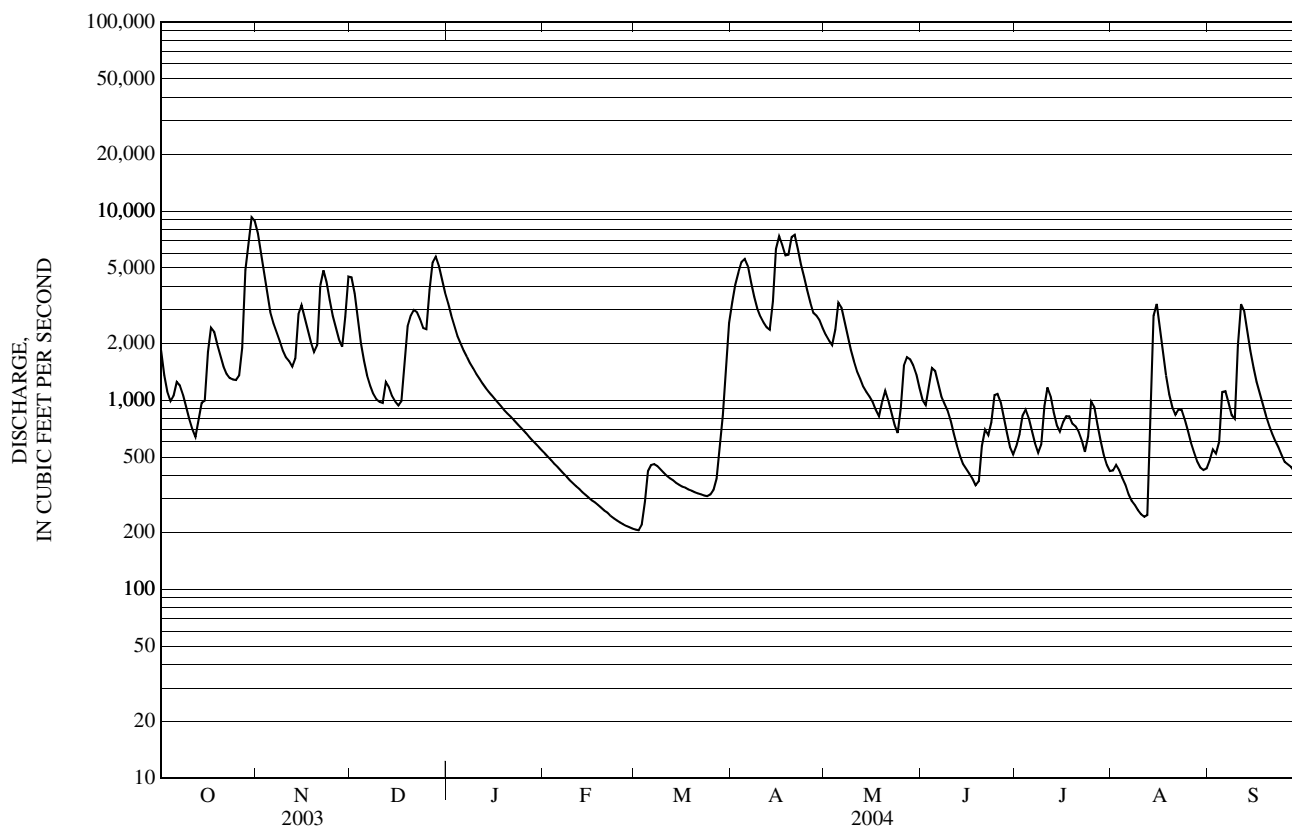
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2004, BY WATER YEAR (WY)

	MEAN	1,018	1,418	1,062	620	590	802	4,577	4,271	1,279	692	601	656
MAX	4,451	5,212	2,823	1,576	2,085	3,749	10,380	11,250	3,591	2,089	2,380	2,939	
(WY)	(1982)	(1964)	(1958)	(1996)	(1996)	(1979)	(1976)	(1961)	(1984)	(1962)	(1981)	(1999)	
MIN	201	292	242	257	181	198	1,055	1,061	301	77.5	79.5	61.5	
(WY)	(1969)	(2002)	(1998)	(1982)	(2002)	(1993)	(1967)	(1987)	(1988)	(1991)	(1968)	(1995)	

e Estimated

01015800 AROOSTOOK RIVER NEAR MASARDIS, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1957 - 2004	
ANNUAL TOTAL	602,015		575,878		1,467	
ANNUAL MEAN	1,649		1,573		2,133	
HIGHEST ANNUAL MEAN					818	
LOWEST ANNUAL MEAN					22,100	
HIGHEST DAILY MEAN	12,200	Apr 25	9,280	Oct 30	22,100	Apr 19, 1983
LOWEST DAILY MEAN	125	Sep 23	205	Mar 2	42	Sep 27, 1968
ANNUAL SEVEN-DAY MINIMUM	130	Sep 20	213	Feb 26	44	Sep 26, 1968
MAXIMUM PEAK FLOW			11,800	Oct 30	23,100	Apr 19, 1983
MAXIMUM PEAK STAGE			13.32	Oct 30	18.00	Apr 18, 1994
INSTANTANEOUS LOW FLOW					41	Sep 26, 1968
ANNUAL RUNOFF (CFSM)	1.85		1.76		1.64	
ANNUAL RUNOFF (INCHES)	25.11		24.02		22.34	
10 PERCENT EXCEEDS	4,400		3,640		3,640	
50 PERCENT EXCEEDS	939		977		650	
90 PERCENT EXCEEDS	165		337		218	



01017000 AROOSTOOK RIVER AT WASHBURN, ME

LOCATION.--Lat 46°46'38", long 68°09'26" (corrected), Aroostook County, Hydrologic Unit 01010004, on right bank at Bangor and Aroostook Railroad bridge, 0.1 mi downstream from Salmon Brook, and 1.0 mi south of railroad station at Washburn.

DRAINAGE AREA.--1,654 mi².

PERIOD OF RECORD.--

DISCHARGE: August 1930 to current year.

CHEMICAL ANALYSES: Water years 1952-53.

REVISED RECORDS.--WSP 951: 1935. WSP 1301: 1933-50 (adjusted monthly runoff). WDR ME-82- 1: Drainage area. WDR ME-97-1: 1991(M).

GAGE.--Water-stage recorder. Datum of gage is 436.40 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1948, at datum 2.0 ft higher.

REMARKS.--Records good, except for period of doubtful gage-height record, May 4 to Aug. 11, which is fair, and periods of ice effect, Nov. 11-15, 18-20, and Dec. 3 to Apr. 14, which are poor. Considerable regulation by Squa Pan Lake, capacity 2.893 billion ft³, used for power. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,400 ft³/s, Apr. 19, 1983, gage height, 13.73 ft; maximum gage height, 20.91 ft, Dec. 24, 1973 (backwater from ice); minimum daily discharge, 75 ft³/s, Feb. 13-15, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,200 ft³/s, Oct. 30, gage height, 9.42 ft; maximum gage height, 10.90 ft, Apr. 4 (backwater from ice); minimum daily discharge, 394 ft³/s, Mar. 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,650	16,800	9,310	e6,440	e986	e399	e5,250	4,350	1,770	e1,400	e1,050	1,350
2	3,440	12,500	7,360	e5,560	e900	e394	e7,490	4,100	1,640	1,620	e1,080	1,260
3	2,730	9,320	e5,350	e4,730	e914	e465	e10,400	3,840	2,020	2,350	e955	1,120
4	2,350	6,940	e3,900	e4,140	e874	e584	e12,000	4,480	2,710	2,320	e833	1,050
5	2,360	5,740	e3,030	e3,560	e822	e841	e12,500	6,210	2,750	1,980	e749	1,290
6	2,640	5,010	e2,600	e3,160	e802	e976	e11,500	5,930	2,370	1,600	e662	1,630
7	2,540	4,580	e2,250	e2,790	e778	e975	e9,710	5,060	2,010	1,330	e584	1,480
8	2,210	4,130	e2,020	e2,500	e759	e936	e8,350	4,300	1,830	e1,140	e546	1,290
9	1,870	3,570	e1,900	e2,250	e740	e892	e7,130	3,620	1,660	1,300	e513	1,260
10	1,590	3,120	e1,800	e2,070	e720	e846	e6,230	3,100	1,470	1,960	e488	3,110
11	1,370	e2,850	e1,720	e1,950	e711	e809	e5,720	2,710	1,240	2,380	e471	5,840
12	1,210	e2,690	e2,360	e1,810	e701	e778	e5,400	2,430	1,060	2,200	460	5,730
13	1,400	e3,160	e2,310	e1,890	e689	e720	e5,160	2,210	918	1,830	1,660	4,610
14	1,790	e5,710	e2,040	e1,880	e670	e692	e7,760	2,120	825	1,530	5,340	3,610
15	1,840	e5,970	e1,920	e1,880	e654	e662	11,800	2,050	756	1,390	6,980	2,880
16	2,630	5,310	e1,820	e1,920	e611	e644	13,700	1,900	727	1,820	5,930	2,380
17	3,740	4,480	e1,810	e1,770	e585	e631	12,900	1,720	681	1,670	4,500	2,020
18	3,550	e3,890	e2,980	e1,520	e560	e620	11,500	1,590	627	e1,600	3,310	1,730
19	3,030	e3,490	e4,650	e1,430	e539	e617	11,800	1,800	693	e1,590	2,450	1,490
20	2,590	e3,780	e5,800	e1,370	e520	e591	14,300	2,120	1,160	1,740	1,960	1,320
21	2,270	7,700	e6,370	e1,290	e503	e572	14,900	1,970	1,480	e1,480	1,710	1,170
22	2,110	9,160	e6,170	e1,280	e491	e563	13,000	1,700	1,390	e1,240	1,690	1,070
23	2,070	8,140	e5,490	e1,230	e478	e556	10,700	1,450	1,460	e1,040	1,670	977
24	2,160	6,270	e5,000	e1,190	e462	e554	8,910	1,270	1,870	1,270	1,500	904
25	2,260	5,230	e4,780	e1,140	e451	e549	7,540	1,310	2,040	1,690	1,310	833
26	2,330	4,510	e7,040	e1,100	e439	e625	6,500	2,040	1,870	1,680	1,130	802
27	3,500	3,910	e10,600	e1,060	e428	e842	5,630	2,710	1,570	1,390	991	767
28	9,370	3,570	e11,600	e1,080	e417	e1,130	5,470	2,870	e1,280	e1,120	886	716
29	13,700	6,130	e10,900	e1,050	e410	e1,530	5,170	2,670	e1,070	e942	797	674
30	20,300	9,480	e8,680	e1,000	---	e2,290	4,670	2,400	e1,110	e813	758	635
31	20,100	---	e7,390	e983	---	e3,520	---	2,090	---	e741	995	---
TOTAL	129,700	177,140	150,950	67,023	18,614	26,803	273,090	88,120	44,057	48,156	53,958	54,998
MEAN	4,184	5,905	4,869	2,162	642	865	9,103	2,843	1,469	1,553	1,741	1,833
MAX	20,300	16,800	11,600	6,440	986	3,520	14,900	6,210	2,750	2,380	6,980	5,840
MIN	1,210	2,690	1,720	983	410	394	4,670	1,270	627	741	460	635

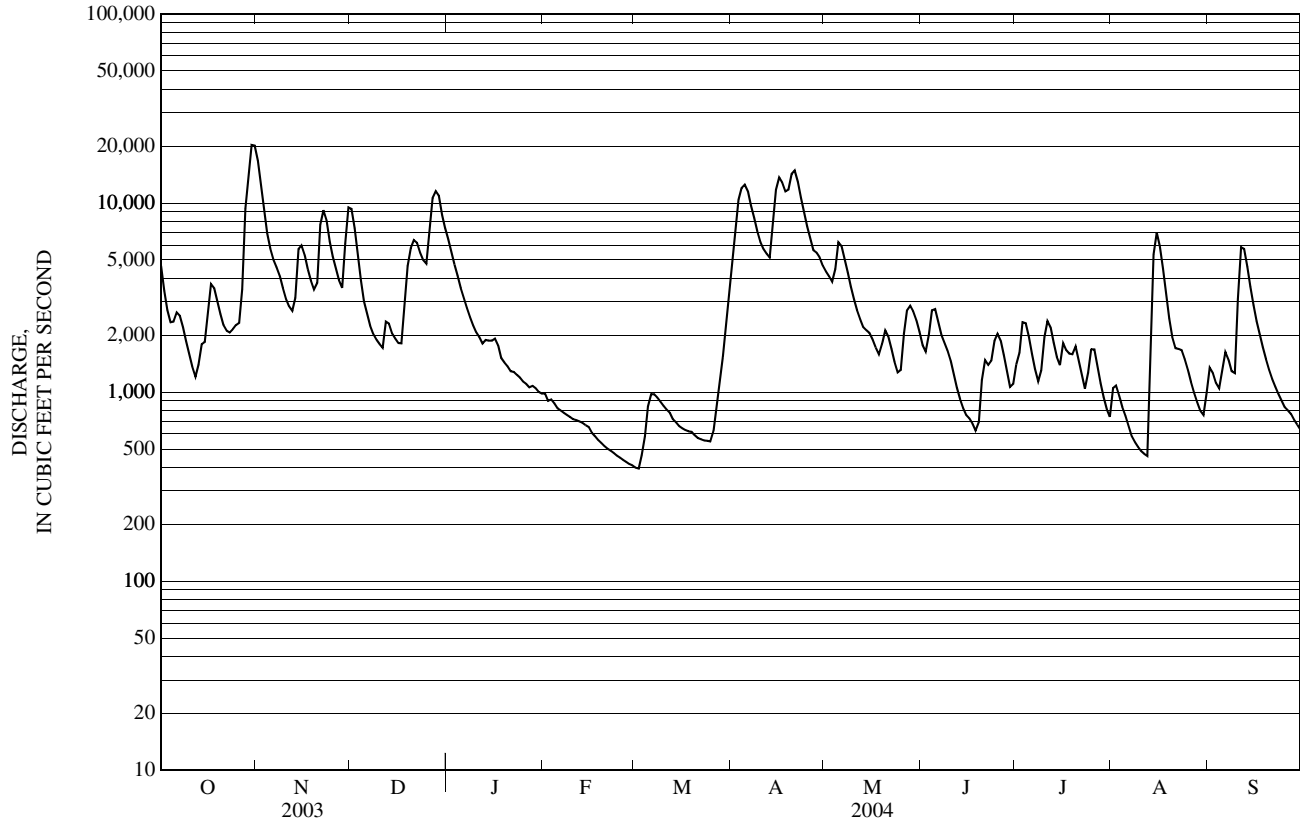
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
1930	1,739	8,098	265	(1982)
1931	2,515	9,767	218	(1983)
1932	1,890	7,975	175	(1984)
1933	1,100	2,893	167	(1985)
1934	1,037	3,864	101	(1986)
1935	1,481	10,440	324	(1987)
1936	8,276	16,990	1,468	(1988)
1937	7,739	20,350	1,775	(1989)
1938	2,443	6,928	634	(1990)
1939	1,374	5,882	189	(1991)
1940	1,036	5,728	152	(1992)
1941	1,113	5,321	106	(1993)
1942	1,113	5,321	106	(1994)
1943	1,113	5,321	106	(1995)
1944	1,113	5,321	106	(1996)
1945	1,113	5,321	106	(1997)
1946	1,113	5,321	106	(1998)
1947	1,113	5,321	106	(1999)
1948	1,113	5,321	106	(2000)
1949	1,113	5,321	106	(2001)
1950	1,113	5,321	106	(2002)
1951	1,113	5,321	106	(2003)
1952	1,113	5,321	106	(2004)

e Estimated

01017000 AROOSTOOK RIVER AT WASHBURN, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	1,219,196		1,132,609			
ANNUAL MEAN	3,340		3,095		2,648	
HIGHEST ANNUAL MEAN					4,145	
LOWEST ANNUAL MEAN					1,409	
HIGHEST DAILY MEAN	22,800	Apr 25	20,300	Oct 30	42,500	Apr 19, 1983
LOWEST DAILY MEAN	232	Sep 16	394	Mar 2	75	Feb 13, 1948
ANNUAL SEVEN-DAY MINIMUM	242	Sep 21	420	Feb 25	78	Feb 9, 1948
MAXIMUM PEAK FLOW			21,200	Oct 30	43,400	Apr 19, 1983
MAXIMUM PEAK STAGE			10.90	Apr 4	20.91	Dec 24, 1973
10 PERCENT EXCEEDS	8,590		7,370		6,800	
50 PERCENT EXCEEDS	1,920		1,840		1,170	
90 PERCENT EXCEEDS	316		641		390	



01017550 WILLIAMS BROOK AT PHAIR, ME

LOCATION.--Lat 46°37'41", long 67°57'11" (corrected), Aroostook County, Hydrologic Unit 01010005, on right bank at upstream side of Bangor and Aroostook Railroad bridge, 0.1 mi upstream from Phair, and 2.5 mi upstream from Prestile Stream.

DRAINAGE AREA.--3.82 mi².

PERIOD OF RECORD.--

DISCHARGE: November 1999 to current year.

GAGE.--Water-stage recorder and concrete weir. Elevation of gage is 580 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for period of ice effect, Jan. 2 to Mar. 25, periods of doubtful stage-discharge relation, Aug. 24-31, Sept. 5-9, and periods of no gage-height record, May 3-4, 11-12, and 19, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 135 ft³/s, Apr. 23, 2001, gage height, 4.22 ft; minimum discharge, 0.19 ft³/s, Aug. 16 and 25, 2001, gage height, 1.10 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 90 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 26	0630	*59	*3.00				
						No peaks greater than base discharge.	

Minimum daily discharge, 0.72 ft³/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	11	13	9.7	e1.9	e0.98	16	7.3	2.7	1.7	1.9	1.3
2	1.3	10	11	e7.7	e1.9	e0.99	16	7.1	3.9	3.3	1.5	1.1
3	2.6	9.2	8.0	e7.1	e1.8	e1.3	21	e9.4	6.0	4.4	1.4	0.94
4	1.9	8.5	7.0	e6.9	e1.9	e1.6	15	e19	5.6	2.5	1.2	1.6
5	4.8	8.5	6.6	e6.3	e1.9	e1.6	11	11	3.7	2.0	1.1	e1.6
6	3.2	9.1	5.8	e5.9	e1.8	e2.0	8.2	7.5	2.7	1.8	0.98	e1.4
7	2.1	8.0	6.3	e5.5	e1.9	e2.2	6.9	10	3.0	1.6	0.92	e1.3
8	1.8	7.2	6.6	e4.5	e1.8	e1.9	8.1	7.3	2.7	1.6	0.95	e1.2
9	1.3	6.0	6.4	e3.8	e1.7	e1.7	13	5.9	2.3	2.3	1.5	e1.1
10	1.1	5.7	6.4	e3.4	e1.7	e1.6	12	5.7	2.1	2.2	1.1	11
11	1.2	5.9	6.5	e3.1	e1.7	e1.6	9.4	e5.1	2.0	2.0	1.0	5.6
12	0.92	6.6	17	e2.9	e1.6	e1.5	9.0	e4.8	1.6	1.5	1.1	2.9
13	3.2	16	9.7	e2.8	e1.6	e1.5	10	4.4	1.5	1.9	6.0	2.1
14	2.1	17	6.9	e2.5	e1.6	e1.4	36	7.8	1.5	2.1	9.0	1.7
15	3.4	8.9	6.4	e2.4	e1.5	e1.4	35	6.4	1.6	2.2	3.6	1.6
16	5.7	7.2	6.9	e2.5	e1.3	e1.3	17	5.2	1.4	2.1	2.1	1.4
17	2.8	6.5	6.5	e2.8	e1.2	e1.3	11	4.4	1.3	1.7	1.7	1.5
18	2.0	5.7	13	e2.8	e1.2	e1.2	14	5.0	1.2	1.2	1.5	1.3
19	1.8	6.3	15	e3.2	e1.2	e1.1	22	e7.7	4.2	2.6	1.5	1.6
20	1.7	19	10	e3.1	e1.2	e1.1	20	4.9	5.4	4.6	1.6	1.3
21	1.6	33	8.5	e3.1	e1.2	e1.1	12	4.2	2.7	2.1	2.2	1.1
22	1.8	15	7.8	e2.9	e1.2	e1.1	10	3.4	2.3	1.5	2.6	1.1
23	2.1	11	7.3	e2.7	e1.2	e0.99	9.5	3.1	5.5	2.3	1.8	1.2
24	2.9	10	7.5	e2.6	e1.2	e0.99	8.3	2.9	3.6	7.9	e1.3	1.1
25	3.5	9.9	32	e2.4	e1.2	e1.0	7.6	4.1	2.8	3.8	e1.0	1.4
26	4.1	8.8	50	e2.3	e1.1	3.0	7.2	4.0	2.5	2.4	e0.87	1.5
27	11	8.0	26	e2.3	e1.1	33	7.3	4.4	1.9	1.9	e0.77	1.2
28	14	8.3	17	e2.2	e1.0	37	12	4.2	1.7	1.6	e0.72	1.4
29	19	34	14	e2.2	e0.99	24	7.9	3.9	1.5	1.6	e0.83	1.2
30	32	19	13	e2.1	---	19	7.1	3.2	1.8	2.0	e1.2	1.2
31	13	---	12	e2.0	---	18	---	2.7	---	1.8	e1.5	---
TOTAL	151.72	339.3	370.1	115.7	42.59	168.45	399.5	186.0	82.7	74.2	56.44	55.94
MEAN	4.89	11.3	11.9	3.73	1.47	5.43	13.3	6.00	2.76	2.39	1.82	1.86
MAX	32	34	50	9.7	1.9	37	36	19	6.0	7.9	9.0	11
MIN	0.92	5.7	5.8	2.0	0.99	0.98	6.9	2.7	1.2	1.2	0.72	0.94
CFSM	1.28	2.96	3.13	0.98	0.38	1.42	3.49	1.57	0.72	0.63	0.48	0.49
IN.	1.48	3.30	3.60	1.13	0.41	1.64	3.89	1.81	0.81	0.72	0.55	0.54

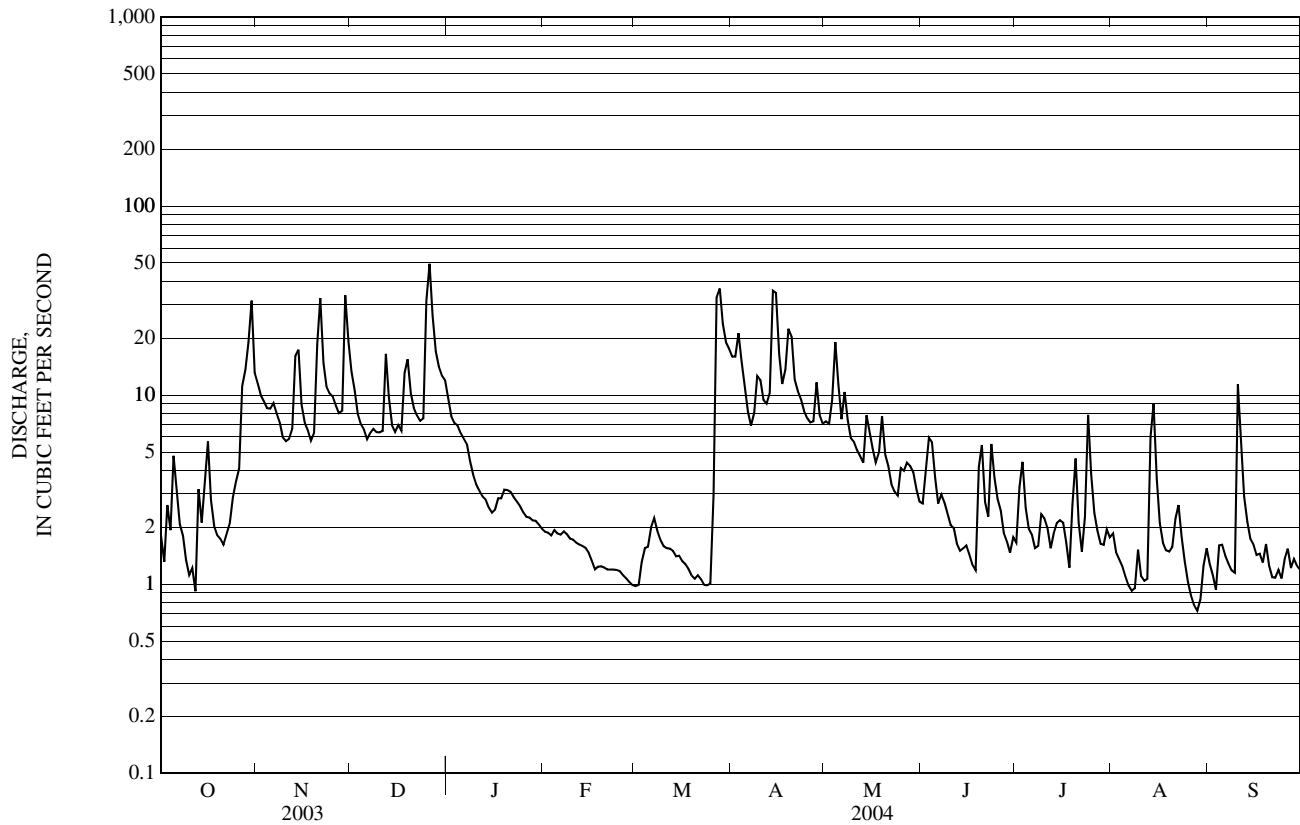
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

MEAN	2.10	5.06	5.72	1.83	1.09	5.97	22.4	8.41	3.21	2.58	1.47	1.24
MAX	4.89	11.3	11.9	3.73	1.62	16.2	28.3	12.4	4.83	4.57	2.90	1.86
(WY)	(2004)	(2004)	(2004)	(2004)	(2000)	(2000)	(2000)	(2000)	(2003)	(2002)	(2003)	(2004)
MIN	1.08	0.96	1.26	0.41	0.39	0.75	13.3	5.74	2.60	1.46	0.40	0.63
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2001)	(2004)	(2001)	(2002)	(2001)	(2001)	(2000)

e Estimated

01017550 WILLIAMS BROOK AT PHAIR, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	2,495.53		2,042.64		4.57	
ANNUAL MEAN	6.84		5.58		5.58	
HIGHEST ANNUAL MEAN					3.53	
LOWEST ANNUAL MEAN					117	
HIGHEST DAILY MEAN	68	Apr 22	50	Dec 26	Apr 23, 2001	
LOWEST DAILY MEAN	0.68	Sep 18	0.72	Aug 28	Aug 25, 2001	
ANNUAL SEVEN-DAY MINIMUM	0.71	Mar 14	0.96	Aug 24	Sep 14, 2001	
MAXIMUM PEAK FLOW			59	Dec 26	Apr 23, 2001	
MAXIMUM PEAK STAGE			3.00	Dec 26	Apr 23, 2001	
INSTANTANEOUS LOW FLOW					0.19	
ANNUAL RUNOFF (CFSM)	1.79		1.46		1.20	
ANNUAL RUNOFF (INCHES)	24.30		19.89		16.25	
10 PERCENT EXCEEDS	18		13		10	
50 PERCENT EXCEEDS	3.2		2.7		1.7	
90 PERCENT EXCEEDS	0.91		1.2		0.60	



01017960 MEDUXNEKEAG RIVER ABOVE SOUTH BRANCH MEDUXNEKEAG RIVER NEAR HOULTON, ME

LOCATION.--Lat 46°06'18", long 67°52'53", Aroostook County, Hydrologic Unit 01010005, on left bank at A.E. Staley Plant and 3.1 mi upstream from Houlton.

DRAINAGE AREA.--88.0 mi².

PERIOD OF RECORD.--

DISCHARGE: October 2003 to September 2004.

GAGE.--Water-stage recorder. Datum of gage is 355 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for periods of ice effect, Dec. 3-27 and Jan. 1 to Mar. 31, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	1630	*1,530	6.42	Dec 26	2130	Ice Jam	*8.22

Minimum discharge, 11 ft³/s, Aug. 8, gage height, 2.44 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	715	404	e284	e45	e20	296	183	72	26	22	66
2	52	513	340	e251	e43	e22	312	162	70	28	25	51
3	58	399	e258	e226	e42	e42	438	151	99	54	22	39
4	56	327	e216	e203	e40	e62	473	292	107	61	22	107
5	99	282	e180	e184	e43	e59	433	373	94	46	20	145
6	135	281	e156	e168	e39	e56	359	286	77	38	16	105
7	100	252	e137	e156	e41	e52	292	229	75	42	13	75
8	74	223	e123	e144	e39	e48	274	194	71	32	12	60
9	61	187	e112	e135	e36	e45	304	163	64	33	14	72
10	48	162	e104	e126	e34	e42	318	161	54	46	15	421
11	42	152	e98	e119	e33	e39	282	143	46	44	17	415
12	37	156	e177	e111	e32	e37	264	125	38	37	21	244
13	76	199	e251	e105	e31	e36	257	113	33	32	36	158
14	105	399	e224	e100	e30	e34	418	108	28	28	113	116
15	90	354	e193	e94	e29	e33	803	104	26	26	97	94
16	235	255	e164	e90	e28	e31	767	96	26	30	81	86
17	216	212	e141	e85	e28	e30	528	87	23	32	59	71
18	153	185	e126	e81	e27	e29	423	78	20	33	43	63
19	117	164	e317	e76	e26	e27	439	79	21	33	34	56
20	96	273	e409	e73	e25	e26	523	73	33	35	27	53
21	102	1,050	e350	e70	e25	e26	435	64	32	34	31	48
22	233	934	e278	e66	e24	e25	332	57	28	30	60	48
23	257	583	e231	e64	e24	e24	281	51	43	25	58	36
24	275	429	e217	e61	e23	e24	244	52	54	48	48	32
25	233	371	e407	e59	e22	e24	227	110	53	74	35	29
26	217	320	e735	e56	e22	e28	206	131	50	61	28	28
27	282	273	e851	e54	e21	e130	201	121	57	48	23	26
28	811	244	745	e52	e21	e227	270	108	53	42	19	23
29	1,160	375	509	e50	e20	e255	251	111	40	31	15	22
30	1,400	518	379	e48	---	e246	212	99	29	26	15	19
31	1,150	---	328	e46	---	e260	---	78	---	22	46	---
TOTAL	8,035	10,787	9,160	3,437	893	2,039	10,862	4,182	1,516	1,177	1,087	2,808
MEAN	259	360	295	111	30.8	65.8	362	135	50.5	38.0	35.1	93.6
MAX	1,400	1,050	851	284	45	260	803	373	107	74	113	421
MIN	37	152	98	46	20	20	201	51	20	22	12	19
CFSM	2.95	4.09	3.36	1.26	0.35	0.75	4.11	1.53	0.57	0.43	0.40	1.06
IN.	3.40	4.56	3.87	1.45	0.38	0.86	4.59	1.77	0.64	0.50	0.46	1.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	259	360	295	111	30.8	65.8	362	135	50.5	38.0	35.1	93.6
MAX	259	360	295	111	30.8	65.8	362	135	50.5	38.0	35.1	93.6
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	259	360	295	111	30.8	65.8	362	135	50.5	38.0	35.1	93.6
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

e Estimated

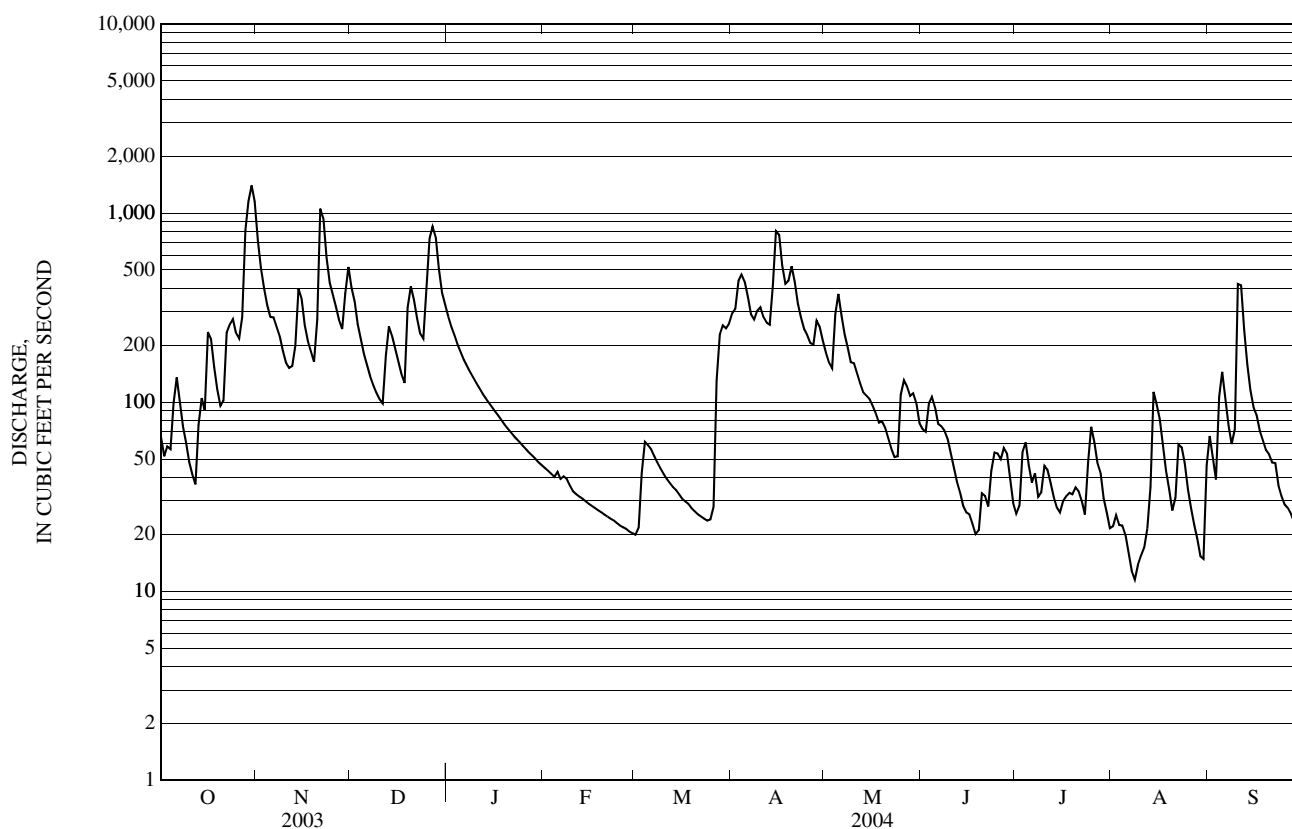
01017960 MEDUXNEKEAG RIVER ABOVE SOUTH BRANCH MEDUXNEKEAG RIVER NEAR HOULTON, ME—Continued

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

ANNUAL TOTAL	55,983			
ANNUAL MEAN	153		153	
HIGHEST ANNUAL MEAN			153	2004
LOWEST ANNUAL MEAN			153	2004
HIGHEST DAILY MEAN	1,400	Oct 30	1,400	Oct 30, 2003
LOWEST DAILY MEAN	12	Aug 8	8.6	Sep 23, 2003
ANNUAL SEVEN-DAY MINIMUM	15	Aug 5	15	Aug 5, 2004
MAXIMUM PEAK FLOW	1,530	Oct 30	1,530	Oct 30, 2003
MAXIMUM PEAK STAGE	8.22	Dec 26	8.22	Dec 26, 2003
INSTANTANEOUS LOW FLOW	11	Aug 8	11	Aug 8, 2004
ANNUAL RUNOFF (CFSM)	1.74		1.74	
ANNUAL RUNOFF (INCHES)	23.67		23.62	
10 PERCENT EXCEEDS	372		372	
50 PERCENT EXCEEDS	74		74	
90 PERCENT EXCEEDS	25		25	



01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME

LOCATION.--Lat 46°06'18", long 67°52'00" (corrected), Aroostook County, 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 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1940 to September 1982, October 2003 to September 2004. 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. 5-24 and Jan. 2 to Apr. 2, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,640 ft³/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 ft³/s, Sept. 19, 1946, gage height, 2.09 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	1300	*2,770	*6.52	Nov 21	1930	2,340	6.06

Minimum discharge, 22 ft³/s, Aug. 7-8, gage height, 2.46 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	1,410	781	561	e84	e37	e555	361	130	49	43	264
2	103	978	647	e489	e81	e40	e642	320	131	59	44	197
3	125	742	472	e429	e78	e76	952	298	192	123	40	133
4	132	597	383	e382	e77	e111	1,030	676	212	143	41	269
5	209	518	e323	e348	e84	e109	961	932	186	109	36	355
6	254	510	e282	e316	e77	e103	769	740	151	86	32	266
7	202	457	e251	e292	e80	e96	621	550	138	82	26	190
8	156	400	e227	e273	e78	e90	575	431	131	66	29	143
9	127	337	e208	e253	e72	e83	627	346	115	70	67	174
10	104	295	e192	e238	e68	e78	654	313	94	102	63	796
11	89	274	e184	e222	e66	e73	586	273	79	103	54	817
12	80	281	e332	e208	e63	e69	548	240	67	87	54	553
13	164	389	e469	e195	e62	e66	532	216	60	73	76	360
14	215	729	e426	e183	e59	e63	889	206	52	62	194	253
15	216	651	e356	e172	e57	e60	1,630	192	47	59	164	192
16	426	495	e310	e162	e55	e58	1,620	173	45	63	131	161
17	386	401	e280	e153	e54	e55	1,160	157	40	64	100	134
18	290	341	e234	e147	e54	e53	896	141	37	64	78	118
19	230	303	e596	e142	e52	e51	928	145	41	67	63	104
20	188	579	e756	e136	e50	e49	1,050	138	59	73	51	96
21	210	2,030	e691	e129	e48	e47	886	118	58	66	61	88
22	476	1,940	e549	e123	e48	e46	683	104	53	59	107	85
23	552	1,290	e438	e118	e46	e45	571	93	84	51	101	71
24	564	898	e413	e113	e45	e44	490	93	105	90	83	65
25	499	729	756	e109	e43	e43	449	198	99	129	64	59
26	455	614	1,380	e104	e42	e52	406	249	92	103	52	56
27	555	512	1,500	e100	e40	e243	397	232	95	80	43	53
28	1,440	454	1,210	e96	e39	e429	508	209	85	70	36	49
29	2,000	737	930	e93	e38	e480	482	207	68	56	30	47
30	2,580	961	755	e90	---	e468	409	177	54	47	31	42
31	2,170	---	654	e87	---	e497	---	146	---	41	134	---
TOTAL	15,319	20,852	16,985	6,463	1,740	3,814	22,506	8,674	2,800	2,396	2,128	6,190
MEAN	494	695	548	208	60.0	123	750	280	93.3	77.3	68.6	206
MAX	2,580	2,030	1,500	561	84	497	1,630	932	212	143	194	817
MIN	80	274	184	87	38	37	397	93	37	41	26	42
CFSM	2.82	3.97	3.13	1.19	0.34	0.70	4.29	1.60	0.53	0.44	0.39	1.18
IN.	3.26	4.43	3.61	1.37	0.37	0.81	4.78	1.84	0.60	0.51	0.45	1.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2004, BY WATER YEAR (WY)

MEAN	186	340	290	154	153	260	1,068	611	213	107	87.7	114
MAX	862	999	1,050	330	618	1,234	1,815	1,775	685	430	502	711
(WY)	(1982)	(1964)	(1951)	(1958)	(1981)	(1979)	(1976)	(1961)	(1977)	(1951)	(1954)	(1954)
MIN	17.2	24.2	11.7	20.7	17.6	43.5	269	192	62.6	29.4	8.44	5.93
(WY)	(1947)	(1956)	(1956)	(1948)	(1944)	(1967)	(1967)	(1968)	(1968)	(1971)	(1952)	(1953)

e Estimated

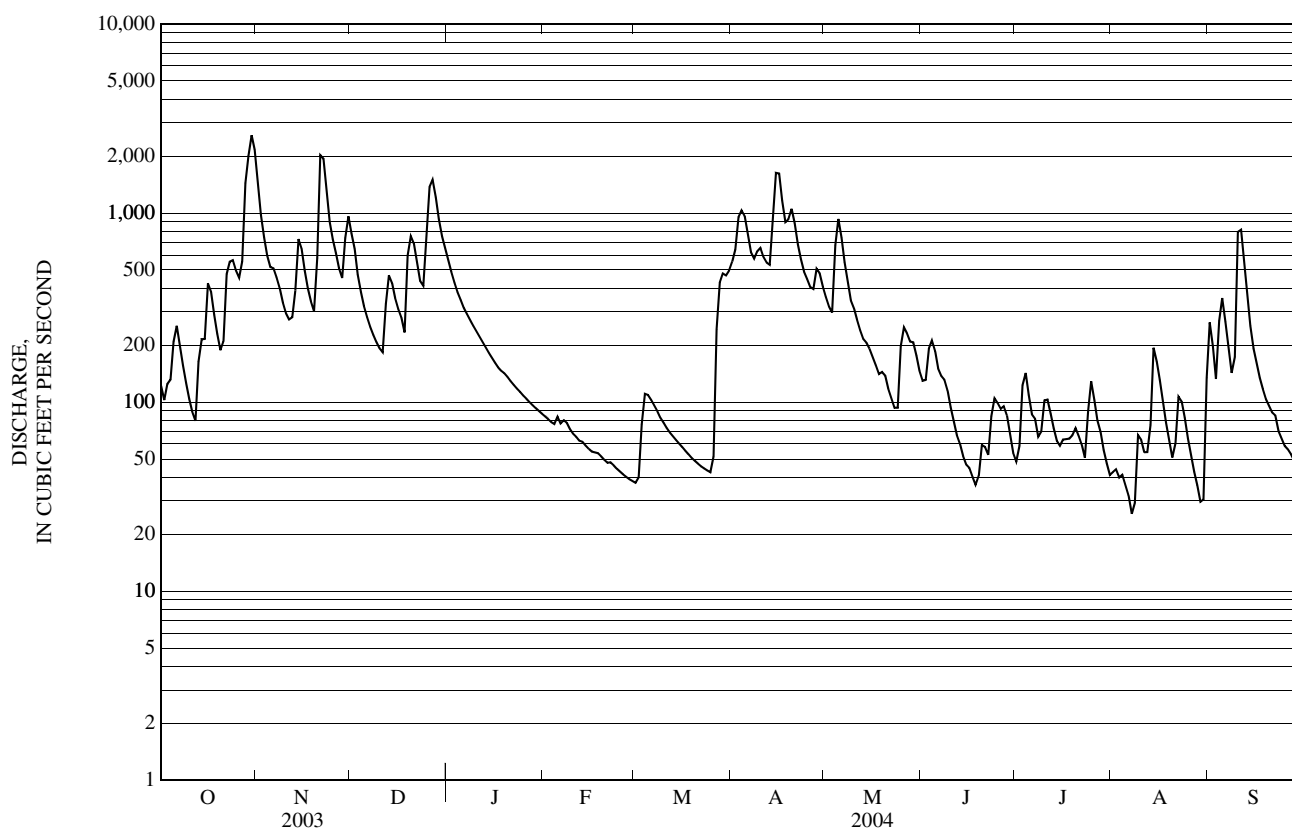
01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME—Continued

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 1941 - 2004

ANNUAL TOTAL	109,867			
ANNUAL MEAN	300		301	
HIGHEST ANNUAL MEAN			473	1951
LOWEST ANNUAL MEAN			152	1957
HIGHEST DAILY MEAN	2,580	Oct 30	6,010	Apr 4, 1976
LOWEST DAILY MEAN	26	Aug 7	3.7	Sep 6, 1953
ANNUAL SEVEN-DAY MINIMUM	35	Aug 2	4.4	Sep 5, 1960
MAXIMUM PEAK FLOW	2,770	Oct 30	6,640	Apr 3, 1976
MAXIMUM PEAK STAGE	6.52	Oct 30	10.83	Mar 27, 1953
INSTANTANEOUS LOW FLOW	22	Aug 7	3.6	Sep 19, 1946
ANNUAL RUNOFF (CFSM)	1.72		1.72	
ANNUAL RUNOFF (INCHES)	23.35		23.35	
10 PERCENT EXCEEDS	738		758	
50 PERCENT EXCEEDS	143		135	
90 PERCENT EXCEEDS	48		23	



ST. CROIX RIVER BASIN

01018500 ST. CROIX RIVER AT VANCEBORO, ME

(International gaging station)

LOCATION.--Lat 45°34'06", long 67°25'42" (corrected), Washington County, Hydrologic Unit 01050001, on right bank 200 ft downstream from international highway bridge in Vanceboro and 500 ft downstream from outlet of Spednik Lake.

DRAINAGE AREA.--413 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1928 to current year.

CHEMICAL ANALYSES: Water year 1955.

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

GAGE.--Water-stage recorder. Datum of gage is 367.75 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 29, 1999 water stage recorder at site 200 ft upstream at international highway bridge at same datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Chiputneticook Lakes, combined usable capacity about 13.20 billion ft³. Final regulation is at Spednik Lake Dam, 500 ft upstream. Telephone and satellite telemeters at station.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,730 ft³/s, June 3, 1984, gage height, 11.28 ft; minimum daily discharge, 1.9 ft³/s, Oct. 12, 22 and Nov. 4, 1936, when flow was held back by cofferdam during repairs to dam just upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,070 ft³/s, Jan. 8 and 10, gage height, 7.34 ft; minimum daily discharge, 213 ft³/s, Oct. 28 and May 9.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

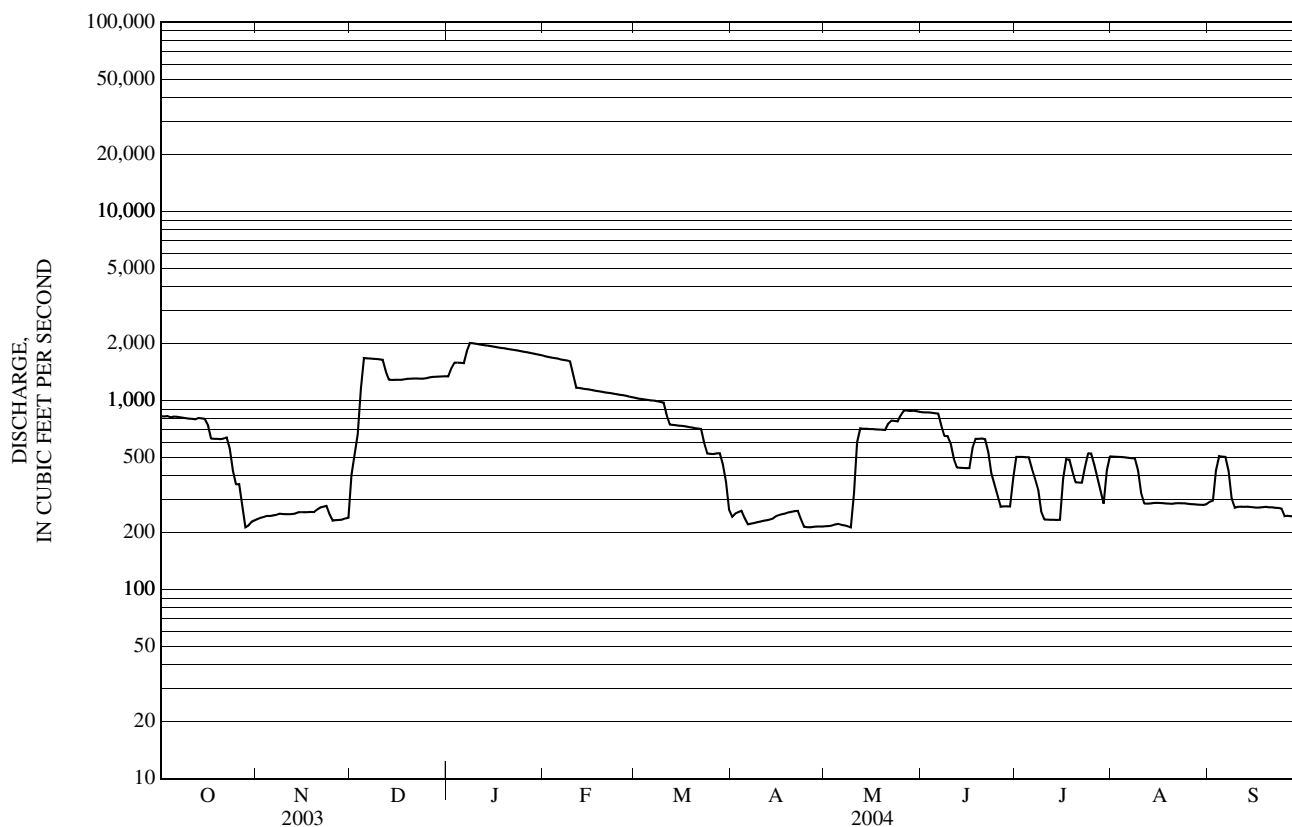
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	825	236	403	1,340	1,710	1,030	243	216	866	503	505	291
2	824	240	517	1,480	1,700	1,020	252	217	865	504	504	295
3	827	242	662	1,590	1,690	1,020	257	218	864	503	503	426
4	815	245	1,160	1,590	1,680	1,010	261	221	862	502	502	507
5	822	245	1,680	1,580	1,670	1,010	239	223	857	501	500	505
6	821	247	1,670	1,580	1,650	1,000	221	220	853	435	498	503
7	816	248	1,670	1,830	1,640	1,000	223	219	734	387	496	424
8	811	252	1,660	2,010	1,630	991	225	216	649	338	494	304
9	806	251	1,660	2,010	1,610	983	227	213	649	259	428	271
10	802	251	1,650	2,000	1,370	975	229	325	593	235	326	274
11	800	250	1,640	1,980	1,170	839	231	601	492	234	286	274
12	796	251	1,420	1,970	1,170	746	233	711	442	234	285	274
13	808	253	1,290	1,960	1,160	743	234	709	441	234	286	274
14	805	256	1,290	1,950	1,150	740	237	709	440	233	287	273
15	801	257	1,290	1,940	1,150	736	244	706	439	234	288	272
16	742	256	1,290	1,920	1,140	734	248	706	439	387	287	272
17	629	257	1,290	1,910	1,130	730	250	703	563	489	287	272
18	627	257	1,300	1,900	1,120	725	253	702	627	487	285	273
19	627	257	1,300	1,890	1,120	721	256	701	627	422	285	274
20	624	265	1,300	1,870	1,110	714	258	698	630	369	284	272
21	629	272	1,310	1,860	1,100	711	260	755	625	369	286	272
22	637	275	1,310	1,850	1,100	707	261	783	534	368	287	271
23	558	277	1,310	1,840	1,090	600	236	780	413	443	286	270
24	425	250	1,310	1,830	1,080	525	215	776	359	526	286	268
25	360	232	1,310	1,820	1,070	523	214	835	314	524	285	245
26	361	233	1,330	1,810	1,070	521	214	888	275	456	283	246
27	278	234	1,330	1,790	1,060	525	215	885	276	387	282	244
28	213	234	1,330	1,780	1,050	526	215	880	276	329	282	244
29	218	238	1,340	1,760	1,040	461	216	883	275	285	281	554
30	228	240	1,340	1,750	---	370	216	879	388	427	281	806
31	232	---	1,340	1,740	---	265	---	871	---	506	283	---
TOTAL	19,567	7,501	40,702	56,130	37,430	23,201	7,083	18,449	16,667	12,110	10,738	9,950
MEAN	631	250	1,313	1,811	1,291	748	236	595	556	391	346	332
MAX	827	277	1,680	2,010	1,710	1,030	261	888	866	526	505	806
MIN	213	232	403	1,340	1,040	265	214	213	275	233	281	244

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	566	464	534	756	842	694	672	971	866	803	759	670
MAX	1,410	1,427	2,572	1,811	3,034	1,879	2,566	2,801	1,746	1,680	1,646	1,530
(WY)	(1974)	(1982)	(1960)	(2004)	(1978)	(1996)	(1976)	(1945)	(1952)	(1984)	(1984)	(1989)
MIN	121	112	152	234	222	192	75.4	193	219	228	301	216
(WY)	(1945)	(1937)	(1936)	(1999)	(1948)	(1948)	(1938)	(1943)	(1985)	(1966)	(1965)	(1966)

01018500 ST. CROIX RIVER AT VANCEBORO, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	265,262		259,528		715	
ANNUAL MEAN	727		709		1,203	
HIGHEST ANNUAL MEAN					335	
LOWEST ANNUAL MEAN					1960	
HIGHEST DAILY MEAN	2,790	May 4	2,010	Jan 8	6,210	Jun 3, 1984
LOWEST DAILY MEAN	213	Oct 28	213	Oct 28	1.9	Oct 12, 1936
ANNUAL SEVEN-DAY MINIMUM	226	Apr 5	215	Apr 24	2.0	Oct 11, 1936
MAXIMUM PEAK FLOW			2,070	Jan 8	6,730	Jun 3, 1984
MAXIMUM PEAK STAGE			7.34	Jan 8	11.28	Jun 3, 1984
10 PERCENT EXCEEDS	1,290		1,650		1,360	
50 PERCENT EXCEEDS	693		506		592	
90 PERCENT EXCEEDS	246		234		226	



01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME

LOCATION.--Lat 45°10'21", long 67°46'08" (corrected), Washington County, Hydrologic Unit 01050001, on left bank at Big Falls, 0.5 mi southeast of village of Grand Lake Stream, and 0.8 mi downstream from outlet dam of Grand Lake.

DRAINAGE AREA.--227 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1928 to current year. Monthly discharge only for October 1928 published in WSP 1301.

CHEMICAL ANALYSES: Water year 1954.

REVISED RECORDS.--WDR ME-82-1: Drainage area. WDR ME-01-1: 1952, 1954, 1955(M), 1958(M), 1960, 1983(M), 1984(M), 1989(M).

GAGE.--Water-stage recorder. Datum of gage is 273.96 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Flow completely regulated by Grand Lake, 0.8 mi upstream, and other lakes, combined usable capacity about 8.25 billion ft³. Telephone and satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,870 ft³/s, Apr. 25, 1983, gage height, 6.69 ft; minimum daily discharge, 5 ft³/s, Dec. 3-6, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,490 ft³/s, Jan. 2, gage height, 4.68 ft; minimum daily discharge, 126 ft³/s, Nov. 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

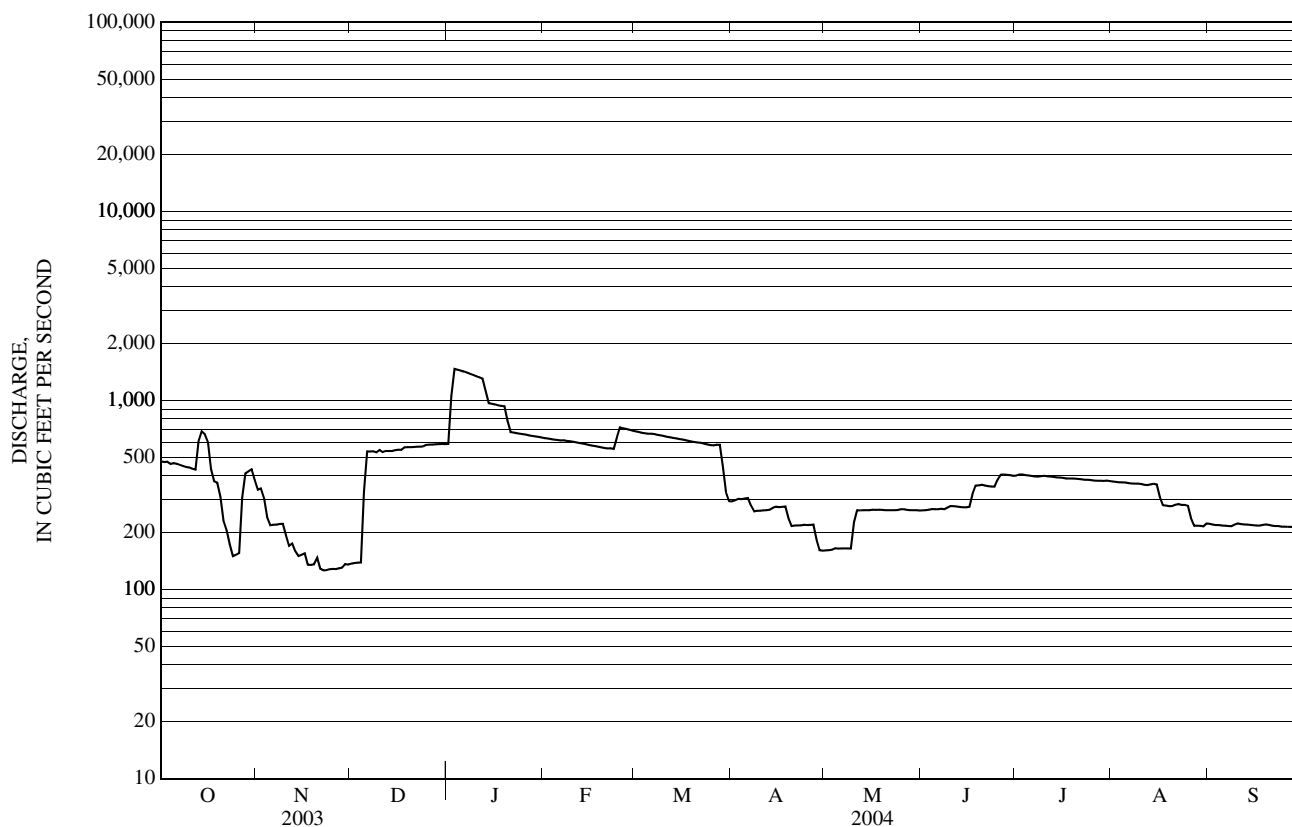
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	477	338	137	589	632	687	293	161	263	401	373	223
2	473	343	138	1,050	629	682	297	162	263	406	372	221
3	474	304	139	1,470	625	676	302	163	265	406	369	220
4	462	242	139	1,460	621	671	301	165	267	403	369	219
5	466	219	329	1,440	619	667	303	165	266	401	368	218
6	463	220	538	1,420	615	668	305	165	266	399	366	218
7	457	221	537	1,400	616	665	279	165	268	397	364	217
8	450	222	538	1,380	611	659	260	165	266	396	364	216
9	445	223	531	1,370	609	655	261	165	271	398	364	221
10	442	193	547	1,340	605	649	262	228	277	400	362	224
11	436	171	534	1,330	600	644	262	263	276	398	359	222
12	431	175	541	1,310	596	640	263	262	275	396	357	221
13	607	160	541	1,120	592	635	265	263	273	394	360	221
14	686	150	541	970	588	631	271	263	273	392	363	220
15	665	153	547	962	583	626	275	263	273	392	360	219
16	603	155	549	953	578	622	273	265	274	390	310	218
17	435	135	549	943	575	617	274	264	321	387	279	218
18	374	135	566	937	570	612	275	264	355	387	278	220
19	368	136	567	933	566	607	239	264	356	387	276	221
20	309	147	567	784	561	603	217	263	358	386	277	220
21	232	129	568	681	558	599	218	263	355	385	281	218
22	206	126	570	677	559	597	218	263	352	383	283	217
23	174	127	570	671	555	591	219	263	351	381	281	217
24	150	128	572	667	634	586	220	264	350	381	280	215
25	153	129	583	663	720	582	219	266	381	380	277	215
26	156	128	585	660	714	579	220	266	406	377	239	215
27	307	130	585	654	707	583	221	264	406	377	218	215
28	412	131	587	650	701	583	183	263	404	376	218	214
29	422	137	589	646	693	449	161	263	403	376	217	213
30	433	135	589	642	---	327	161	263	400	377	216	212
31	382	---	588	637	---	293	---	262	---	375	224	---
TOTAL	12,550	5,342	15,461	30,409	17,832	18,685	7,517	7,238	9,514	12,084	9,624	6,548
MEAN	405	178	499	981	615	603	251	233	317	390	310	218
MAX	686	343	589	1,470	720	687	305	266	406	406	373	224
MIN	150	126	137	589	555	293	161	161	263	375	216	212

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	342	210	245	367	477	459	334	398	444	420	468	450
MAX	890	666	1,261	1,096	1,330	1,117	1,248	1,127	1,159	843	1,173	933
(WY)	(1948)	(1982)	(1960)	(1970)	(1964)	(1960)	(1936)	(1945)	(1971)	(1959)	(1952)	(1942)
MIN	84.5	39.4	20.3	87.8	47.5	39.4	49.7	17.7	54.9	102	129	103
(WY)	(1950)	(1946)	(1946)	(1932)	(1930)	(1930)	(1931)	(1931)	(1931)	(1942)	(1936)	(1949)

01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	148,630		152,804		385	
ANNUAL MEAN	407		417		178	
HIGHEST ANNUAL MEAN					697	
LOWEST ANNUAL MEAN					178	
HIGHEST DAILY MEAN	927	Feb 14	1,470	Jan 3	2,580	Apr 26, 1983
LOWEST DAILY MEAN	126	Nov 22	126	Nov 22	5.0	Dec 3, 1945
ANNUAL SEVEN-DAY MINIMUM	128	Nov 21	128	Nov 21	6.4	Dec 1, 1945
MAXIMUM PEAK FLOW			1,490	Jan 2	2,870	Apr 25, 1983
MAXIMUM PEAK STAGE			4.68	Jan 2	6.69	Apr 25, 1983
10 PERCENT EXCEEDS	662		665		805	
50 PERCENT EXCEEDS	399		364		288	
90 PERCENT EXCEEDS	152		169		120	



01021000 ST. CROIX RIVER AT BARING, ME
(International gaging station)

LOCATION.--Lat 45°08'13", long 67°19'05" (corrected), Washington County, Hydrologic Unit 01050001, on right bank at site of destroyed international highway bridge at Baring.

DRAINAGE AREA.--1,374 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1959 to current year. Records for October 1998 to September 1999, published as St.Croix River at Woodland. Records prior to water year 1974 have not been published, but are available in the files of the U.S. Geological Survey.

CHEMICAL ANALYSES: Water year 1971.

WATER TEMPERATURE: October 1959 to September 1976.

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

GAGE.--Water-stage recorder. Datum of gage is 66.23 ft above National Geodetic Vertical Datum of 1929. July 28, 1999 to Apr. 30, 2000, at site 5.0 mi upstream at different datum.

REMARKS.--Records good, including periods of ice effect, Dec. 10, Jan. 7, and Jan. 9 to Feb. 29. Flow regulated by Chiputneticook Lakes, Grand Lake, and other lakes, combined capacity 25 billion ft³. Final regulation is at Woodland, 5.6 mi upstream from gage. Telephone and satellite telemeters at station.

COOPERATION.--This station is maintained by the United States under agreement with Canada.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 ft³/s, May 29, 1961, gage height, 12.76 ft; minimum daily discharge, 262 ft³/s, Oct. 20, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 1, 1923 has been estimated as 24,100 ft³/s at Baring, based on flows for the St. Croix River near Baileyville (station 01020000); gage height unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,000 ft³/s, Oct. 30, gage height, 10.19 ft; minimum daily discharge, 759 ft³/s, July 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,640	9,030	3,470	5,440	e2,840	1,930	3,180	2,660	1,790	1,750	937	1,770
2	1,710	7,180	3,450	5,040	e2,870	1,920	3,350	2,450	2,070	1,160	932	2,370
3	1,700	5,520	3,220	4,650	e2,720	1,930	3,710	1,860	1,520	994	929	1,580
4	1,710	3,960	3,150	4,610	e2,400	1,930	4,200	1,600	1,520	908	961	1,380
5	1,720	3,370	2,840	4,510	e2,420	1,920	4,860	1,500	1,250	900	1,120	1,390
6	1,710	3,010	3,160	4,450	e2,840	1,930	4,730	1,440	1,240	888	1,040	1,440
7	1,560	3,430	3,320	e4,580	e2,890	2,180	4,290	1,710	1,200	884	1,030	1,010
8	1,740	3,190	3,180	4,130	e2,890	2,180	3,730	2,310	1,260	896	940	991
9	1,710	3,010	2,960	e3,810	e2,570	2,160	3,470	2,370	1,440	918	851	1,200
10	1,710	2,750	e2,880	e3,700	e2,120	1,820	3,430	2,450	1,270	901	816	1,450
11	1,690	2,200	3,120	e3,660	e2,110	1,490	3,400	2,170	1,040	891	802	1,270
12	1,610	2,010	4,150	e3,740	e2,150	1,640	3,380	1,720	989	891	794	1,300
13	1,780	2,430	4,310	e3,770	e2,350	1,660	3,340	1,880	963	890	1,400	1,530
14	1,740	2,970	4,240	e3,630	e2,170	1,660	3,430	2,290	949	887	2,770	1,550
15	1,860	2,870	4,640	e3,630	e2,170	1,770	5,530	2,270	942	889	2,750	1,480
16	1,990	2,580	5,120	e3,630	e2,170	1,630	6,570	2,300	934	886	2,330	1,560
17	2,560	2,440	4,650	e3,630	e2,150	1,630	6,240	2,150	1,640	887	2,030	1,680
18	2,570	2,450	7,160	e3,630	e1,910	1,630	5,490	2,110	1,520	886	1,730	1,520
19	2,550	2,570	6,960	e3,630	e1,820	1,640	4,940	2,080	1,630	887	1,480	1,540
20	2,190	3,110	5,990	e3,560	e1,920	1,660	4,540	2,130	1,670	1,010	1,130	1,530
21	2,150	4,990	5,980	e3,420	e1,900	1,680	3,700	2,090	1,450	1,010	1,170	1,500
22	3,200	5,700	5,960	e3,380	e1,930	1,670	3,430	2,050	1,000	927	2,170	1,470
23	3,120	5,870	5,620	e3,290	e1,920	1,640	3,400	2,140	929	868	2,410	1,490
24	3,300	5,810	5,950	e3,290	e1,920	1,640	3,340	2,130	874	864	2,170	1,500
25	3,220	4,500	6,770	e3,290	e1,920	1,660	3,300	1,940	867	804	1,810	1,450
26	3,280	3,050	7,280	e3,220	e1,920	1,720	3,190	1,910	886	759	1,400	1,430
27	3,870	3,310	7,760	e3,140	e1,930	2,310	3,060	1,680	888	772	1,240	1,400
28	5,640	3,130	7,580	e3,140	e1,930	2,610	2,990	1,100	879	819	1,170	1,440
29	5,790	3,460	6,960	e3,140	e1,930	2,150	2,990	1,420	947	942	975	1,430
30	9,390	3,540	5,980	e3,150	---	2,980	2,970	1,750	1,180	809	952	1,360
31	10,100	---	5,450	e2,980	---	3,160	---	1,900	---	914	1,580	---
TOTAL	90,510	113,440	153,260	116,870	64,780	59,530	118,180	61,560	36,737	28,691	43,819	44,011
MEAN	2,920	3,781	4,944	3,770	2,234	1,920	3,939	1,986	1,225	926	1,414	1,467
MAX	10,100	9,030	7,760	5,440	2,890	3,160	6,570	2,660	2,070	1,750	2,770	2,370
MIN	1,560	2,010	2,840	2,980	1,820	1,490	2,970	1,100	867	759	794	991

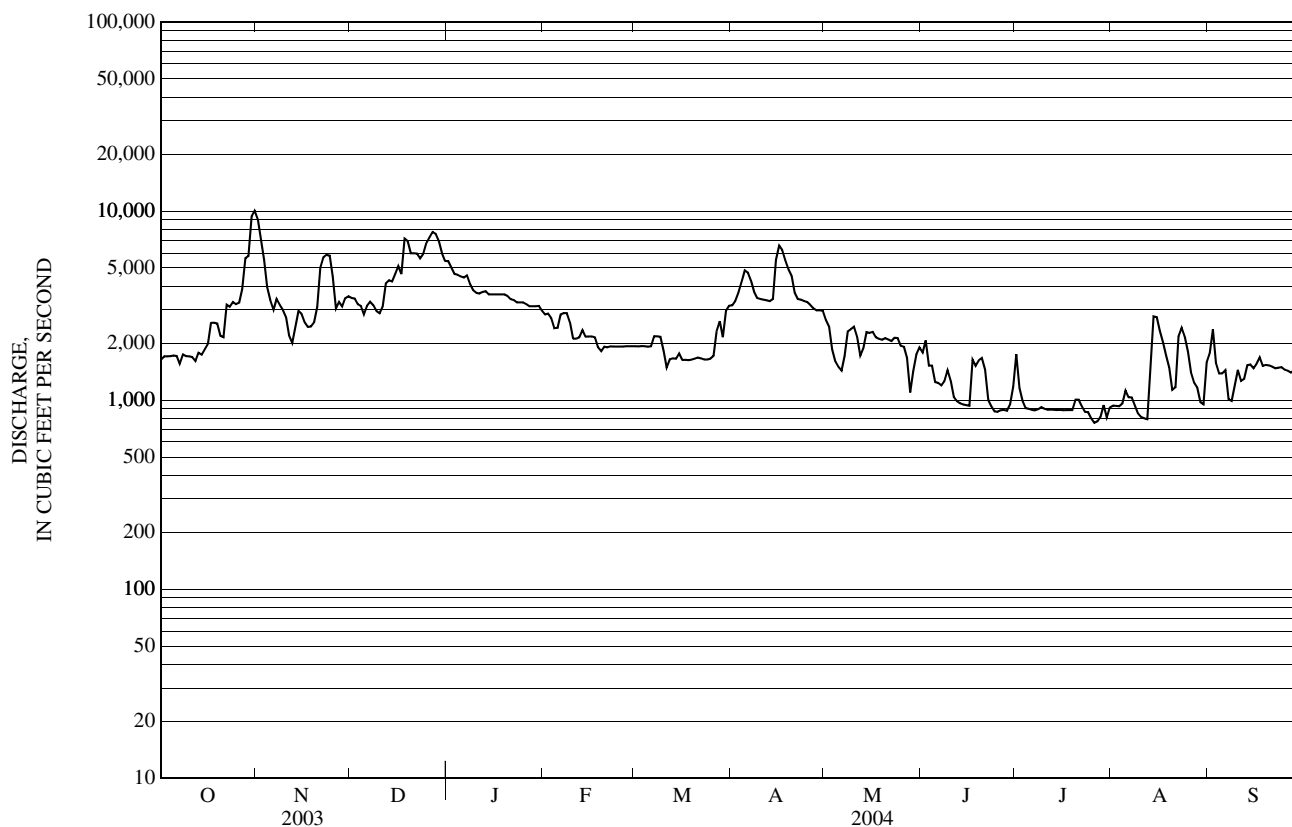
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2004, BY WATER YEAR (WY)

MEAN	1,819	2,288	2,701	2,330	2,626	3,055	5,207	3,641	2,285	1,683	1,586	1,648
MAX	3,865	5,679	8,397	5,303	6,031	8,009	9,438	7,403	6,054	5,042	2,987	3,269
(WY)	(1982)	(1964)	(1960)	(1978)	(1978)	(1998)	(1976)	(1989)	(1977)	(1996)	(1981)	(1981)
MIN	555	381	818	642	756	1,236	2,024	1,076	888	652	636	855
(WY)	(1965)	(1965)	(2002)	(2002)	(2002)	(1993)	(1985)	(1987)	(2002)	(1966)	(1966)	(1978)

e Estimated

01021000 ST. CROIX RIVER AT BARING, ME—Continued

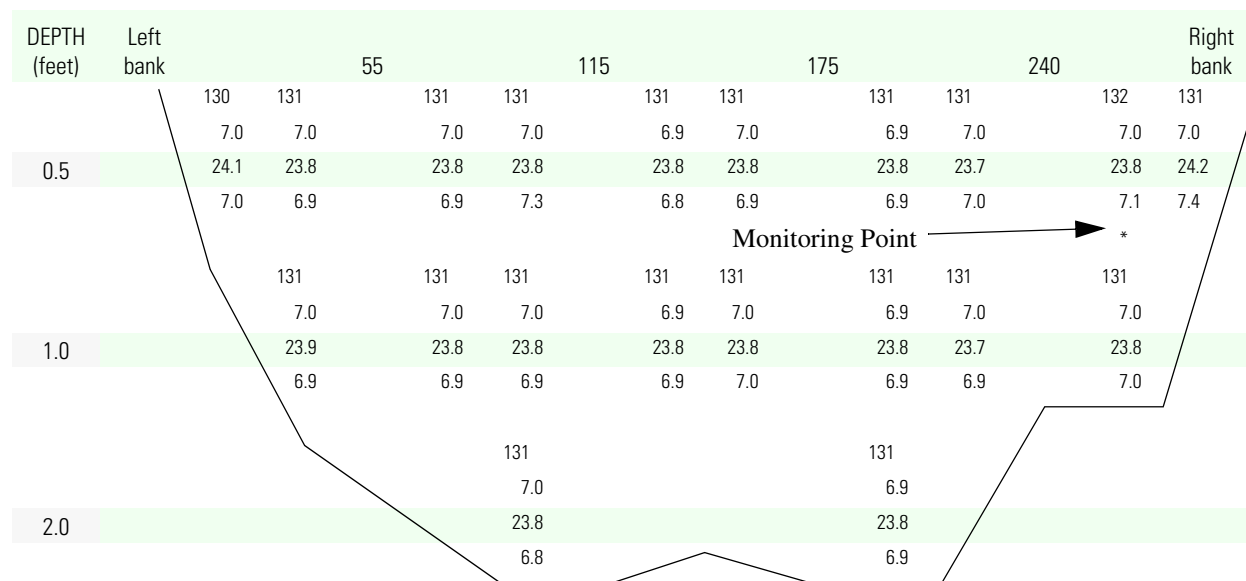
SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1960 - 2004	
ANNUAL TOTAL	1,030,050		931,388			
ANNUAL MEAN	2,822		2,545		2,569	
HIGHEST ANNUAL MEAN					3,863	
LOWEST ANNUAL MEAN					1,280	
HIGHEST DAILY MEAN	10,100	Oct 31	10,100	Oct 31	23,200	May 29, 1961
LOWEST DAILY MEAN	919	Jul 16	759	Jul 26	262	Oct 20, 1964
ANNUAL SEVEN-DAY MINIMUM	950	Jul 10	824	Jul 24	327	Nov 6, 1964
MAXIMUM PEAK FLOW			11,000	Oct 30	23,500	May 29, 1961
MAXIMUM PEAK STAGE			10.19	Oct 30	12.76	May 29, 1961
10 PERCENT EXCEEDS	5,650		4,650		4,780	
50 PERCENT EXCEEDS	2,240		2,080		2,100	
90 PERCENT EXCEEDS	1,310		931		950	



01021050 ST. CROIX RIVER AT MILLTOWN, ME—Continued

Cross section was performed on July 12, 2004, from 4:00pm to 4:35pm,
with field parameters displayed in the following order:
SPECIFIC CONDUCTANCE (microsiemens/cm)
pH (standard units)
WATER TEMPERATURE: (degrees Celsius)
DISSOLVED OXYGEN: (mg/L)

Width (feet)



	Cross Section Values			Recorded Hourly Values			Recorded Daily Values		
	Max	Min	Mean	15:00	16:00	17:00	Max	Min	Mean
Sp Cond	132	130	131	131	130	130	131	124	128
pH	7.1	6.9	7.0	7.0		6.9	7.0	6.9	6.9
WT	24.2	23.7	23.8	24.3	24.1	23.9	24.3	22.3	23.1
DO	7.4	6.8	6.9	7.4	7.3	7.0	7.7	6.5	7.2



Wading discharge measurement
Little Androscoggin River near South Paris (01057000)
February 2005

01021200 DENNY'S RIVER AT DENNYSVILLE, ME

LOCATION.--Lat 44°54'05", long 67°14'51" (corrected), Washington County, Hydrologic Unit 01050002, on right bank 100 ft upstream from railroad bridge, 0.9 mi upstream from Cathance Stream, and 1 mi west of Dennyville.

DRAINAGE AREA.--92.9 mi².

PERIOD OF RECORD.--

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

WATER TEMPERATURE: October 1958 to September 1972.

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, except for periods of ice effect, Jan. 2-3, Jan. 6 to Mar. 25, Mar. 30 to Apr. 2, periods of doubtful stage-discharge relation, Oct. 9-22, Sept. 23-30, and periods of no gage-height record, Jan. 8 to Feb. 3, and May 2-3, 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). Records for precipitation are located in the Quantity of Precipitation section in this report.

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, 1,440 ft³/s, Oct. 30, gage height, 5.42 ft; minimum daily discharge, 42 ft³/s, Feb. 27.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	83	555	498	423	e46	e44	e182	142	117	100	64	87
2	84	317	470	e403	e44	e45	e268	e136	118	116	70	77
3	87	211	446	e394	e43	e49	879	e132	151	135	73	69
4	85	175	400	403	e54	e59	601	254	142	118	68	65
5	111	147	305	406	e68	e62	401	313	115	101	64	62
6	109	142	389	e376	e60	e68	338	237	98	94	61	60
7	98	129	389	e320	e57	e103	285	194	95	90	60	58
8	91	113	382	e258	e56	e112	283	164	103	83	60	58
9	e81	97	359	e206	e54	e95	277	143	96	81	62	70
10	e78	86	273	e174	e53	e84	256	132	86	82	67	193
11	e74	81	215	e148	e51	e76	222	124	77	80	68	257
12	e74	84	559	e128	e50	e71	196	120	85	75	68	184
13	e96	180	665	e123	e48	e69	182	113	88	72	99	126
14	e120	452	602	e112	e48	e68	256	110	85	70	501	95
15	e135	330	527	e104	e46	e68	605	109	84	72	547	81
16	e263	216	457	e97	e45	e75	501	130	83	72	375	74
17	e183	156	443	e91	e44	e70	366	155	80	69	227	70
18	e117	124	875	e85	e44	e66	311	145	78	101	140	89
19	e88	105	984	e93	e44	e62	263	189	79	102	102	158
20	e70	187	813	e89	e43	e60	248	179	89	88	88	148
21	e96	876	649	e83	e43	e61	217	151	83	79	132	117
22	e233	712	543	e77	e45	e62	197	135	79	71	497	95
23	267	568	488	e72	e45	e60	184	133	83	67	352	e78
24	267	458	464	e70	e45	e59	168	139	80	67	213	e70
25	193	395	633	e67	e44	e60	154	224	78	69	138	e64
26	138	358	791	e64	e43	88	140	268	89	66	103	e60
27	226	332	717	e60	e42	191	171	221	246	63	86	e58
28	876	316	597	e57	e45	390	182	187	206	67	78	e57
29	893	475	514	e53	e45	309	167	178	147	75	75	e56
30	1,330	576	466	e51	---	e226	153	154	117	72	73	e55
31	945	---	448	e48	---	e196	---	132	---	67	80	---
TOTAL	7,591	8,953	16,361	5,135	1,395	3,108	8,653	5,143	3,157	2,564	4,691	2,791
MEAN	245	298	528	166	48.1	100	288	166	105	82.7	151	93.0
MAX	1,330	876	984	423	68	390	879	313	246	135	547	257
MIN	70	81	215	48	42	44	140	109	77	63	60	55

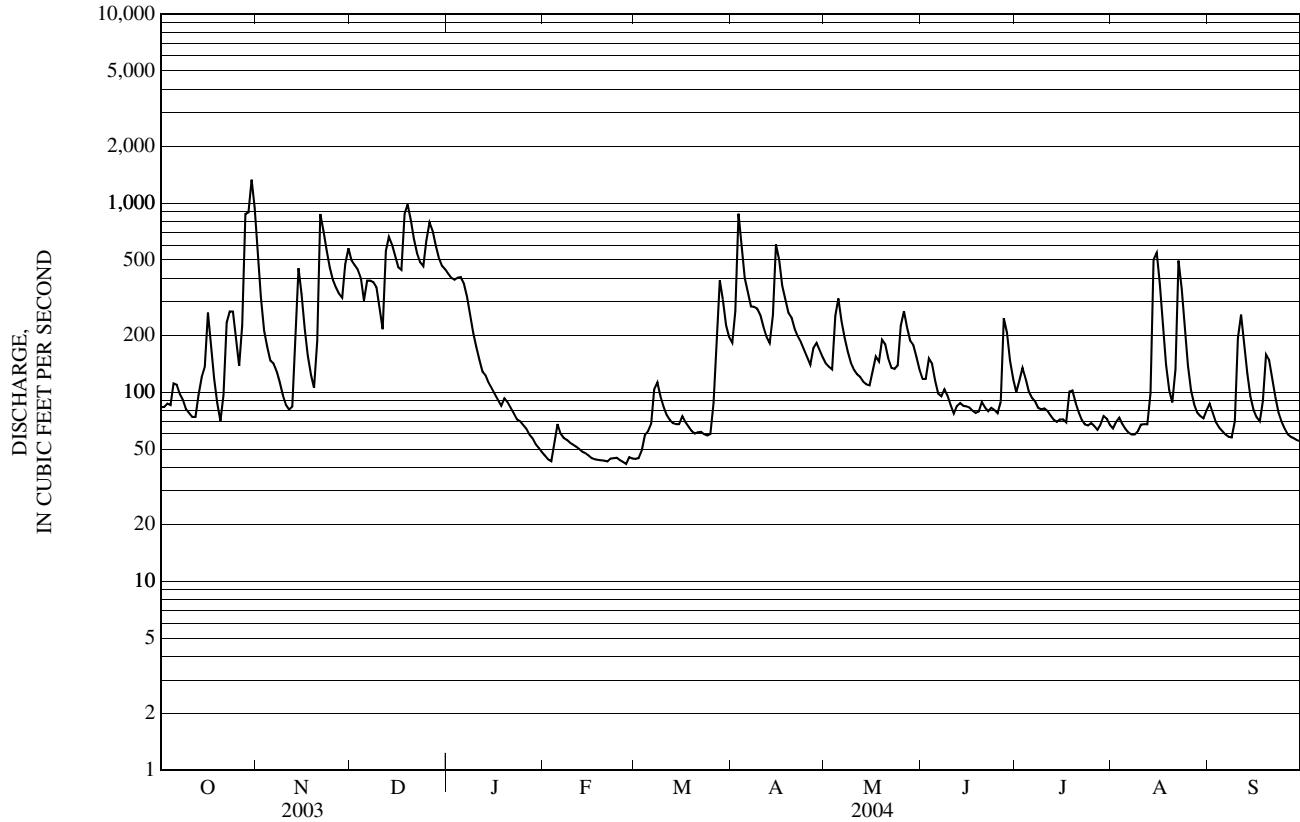
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2004, BY WATER YEAR (WY)

	MEAN	113	195	219	188	187	260	436	272	166	100	75.3	78.5
MAX		317	505	528	457	548	666	737	732	382	354	205	201
(WY)		(1978)	(1964)	(2004)	(1958)	(1976)	(1998)	(1969)	(1972)	(1977)	(1996)	(1991)	(1981)
MIN		11.7	33.0	48.5	42.3	48.1	100	134	96.4	35.4	25.3	15.7	11.4
(WY)		(1958)	(2002)	(1956)	(1985)	(2004)	(2004)	(1985)	(1957)	(1965)	(1965)	(1956)	(1957)

e Estimated

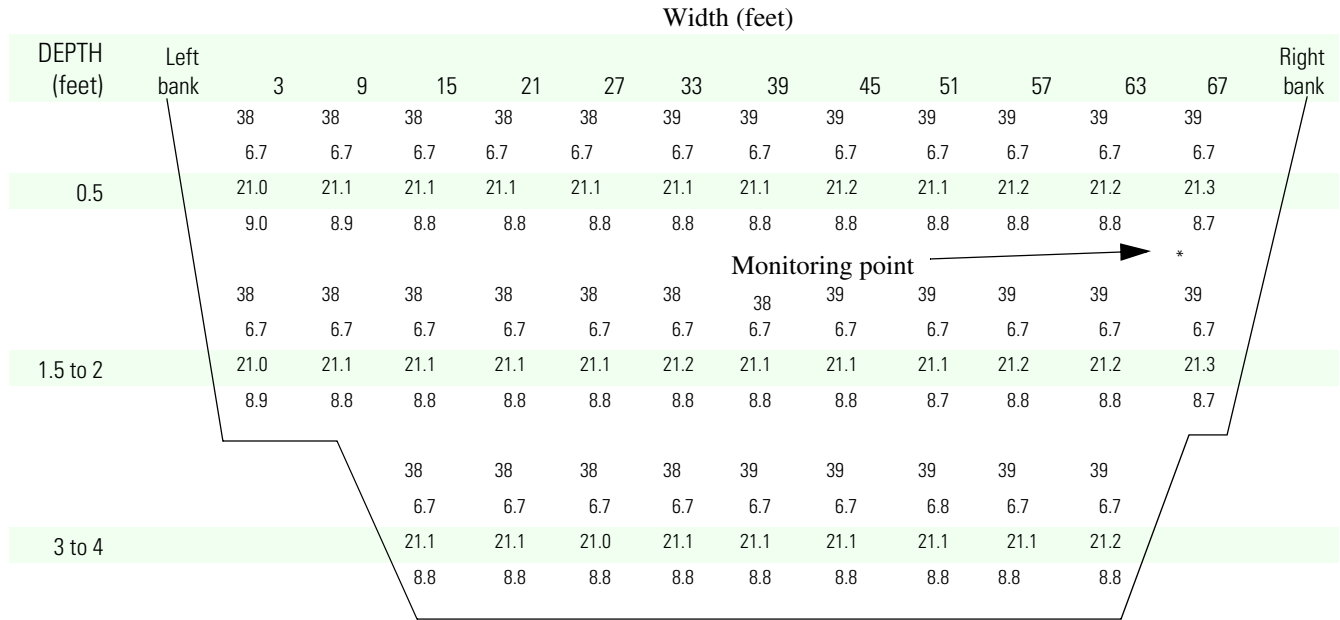
01021200 DENNY'S RIVER AT DENNYVILLE, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1956 - 2004	
ANNUAL TOTAL	88,901		69,542		191	
ANNUAL MEAN	244		190		292	
HIGHEST ANNUAL MEAN					96.0	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	1,530	Mar 31	1,330	Oct 30	3,350	Apr 29, 1973
LOWEST DAILY MEAN	57	Sep 12	42	Feb 27	8.6	Sep 30, 1957
ANNUAL SEVEN-DAY MINIMUM	58	Sep 10	44	Feb 21	9.5	Sep 25, 1957
MAXIMUM PEAK FLOW			1,440	Oct 30	3,930	Apr 29, 1973
MAXIMUM PEAK STAGE			5.42	Oct 30	9.35	Apr 29, 1973
10 PERCENT EXCEEDS	547		460		415	
50 PERCENT EXCEEDS	139		107		129	
90 PERCENT EXCEEDS	72		57		45	



01021200 DENNY'S RIVER AT DENNYSVILLE, ME--Continued

Cross section was performed on July 12, 2004, from 12:05pm to 12:30pm,
 with field parameters displayed in the following order:
 SPECIFIC CONDUCTANCE (microsiemens/cm)
 pH (standard units)
 WATER TEMPERATURE: (degrees Celsius)
 DISSOLVED OXYGEN: (mg/L)



	Cross Section Values			Recorded Hourly Values			Recorded Daily Values		
	Max	Min	Mean	12:00	13:00	14:00	Max	Min	Mean
Sp Cond	39	38	39	39	39	38	40	38	39
pH	6.8	6.7	6.7	6.7	6.8	6.9	7.1	6.7	6.8
WT	21.3	21.0	21.1	21.0	21.5	21.9	23.2	19.1	20.4
DO	9.0	8.7	8.8						

01021452 MOPANG STREAM NEAR BEDDINGTON, ME

LOCATION.--Lat 44°52'16", long 67°56'29" (corrected), Washington County, Hydrologic Unit 01050002, on left bank, at downstream side of State Route 9 highway bridge, 6 miles east of Beddington.

DRAINAGE AREA.--18.8 mi².

PERIOD OF RECORD.--

DISCHARGE: October 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 310 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for flows below 2.0 ft³/s, which are fair, periods of ice effect, Dec. 4-8, 10, 14, 21, Jan. 7 to Mar. 7, Mar. 14, 18, and 23, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 208 ft³/s, Dec. 21, 2002, gage height, 3.76 ft; maximum gage height 4.25, Feb. 12, 2002 (backwater from ice); minimum discharge 0.71 ft³/s, Oct. 4-6 and 12, 2001, gage height, 1.45 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	0800	166	3.46	Dec 26	0530	169	3.48
Nov 21	1100	172	3.50	Jan 9	1115	Ice Jam	*3.99
Dec 18	1800	*193	3.65				

Minimum discharge, 4.9 ft³/s, Oct. 2 and 4, gage height, 1.71 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	94	102	93	e24	e12	34	44	32	15	21	34
2	5.7	81	91	86	e24	e12	47	43	33	38	17	26
3	6.9	74	82	82	e24	e17	80	43	38	38	15	23
4	6.3	68	e75	91	e30	e16	65	54	34	28	15	20
5	18	64	e68	87	e28	e15	63	53	30	22	12	17
6	14	65	e61	80	e26	e22	60	49	29	19	10	15
7	10	61	e65	e75	e27	e25	55	45	33	17	9.7	15
8	8.4	57	e71	e70	e25	22	55	41	31	15	11	14
9	7.3	52	66	e67	e24	20	55	39	29	19	11	23
10	6.6	48	e62	e61	e22	19	53	37	25	19	9.8	50
11	6.3	46	65	e56	e21	18	51	37	22	17	8.9	47
12	5.9	47	122	e52	e20	19	49	35	20	15	8.7	34
13	13	69	114	e49	e19	19	49	32	18	13	31	25
14	11	93	e92	e45	e18	e17	67	31	17	13	84	19
15	25	78	66	e43	e17	19	104	30	18	15	75	15
16	42	64	95	e40	e16	19	90	41	17	14	54	14
17	32	57	87	e38	e15	18	77	40	15	13	41	13
18	23	52	164	e36	e15	e16	71	37	15	13	29	23
19	18	50	172	e39	e15	15	69	43	17	13	23	34
20	15	75	140	e38	e14	15	66	38	21	14	21	26
21	30	162	e121	e37	e13	17	62	34	17	13	34	20
22	48	134	108	e36	e15	17	60	32	15	12	79	16
23	46	111	99	e35	e16	e16	58	35	19	11	66	15
24	35	98	96	e33	e15	15	56	39	20	13	51	13
25	28	92	145	e31	e15	16	53	51	17	15	39	11
26	25	84	164	e30	e14	21	52	52	20	13	30	11
27	48	78	144	e29	e14	40	54	48	22	11	26	10
28	95	73	126	e28	e13	49	52	44	19	36	23	10
29	102	111	114	e27	e13	41	49	42	17	49	26	9.8
30	156	118	107	e26	---	35	47	37	16	38	26	9.4
31	118	---	101	e25	---	33	---	33	---	26	31	---
TOTAL	1,011.2	2,356	3,185	1,565	552	655	1,803	1,259	676	607	938.1	612.2
MEAN	32.6	78.5	103	50.5	19.0	21.1	60.1	40.6	22.5	19.6	30.3	20.4
MAX	156	162	172	93	30	49	104	54	38	49	84	50
MIN	5.7	46	61	25	13	12	34	30	15	11	8.7	9.4
CFSM	1.74	4.18	5.46	2.69	1.01	1.12	3.20	2.16	1.20	1.04	1.61	1.09
IN.	2.00	4.66	6.30	3.10	1.09	1.30	3.57	2.49	1.34	1.20	1.86	1.21

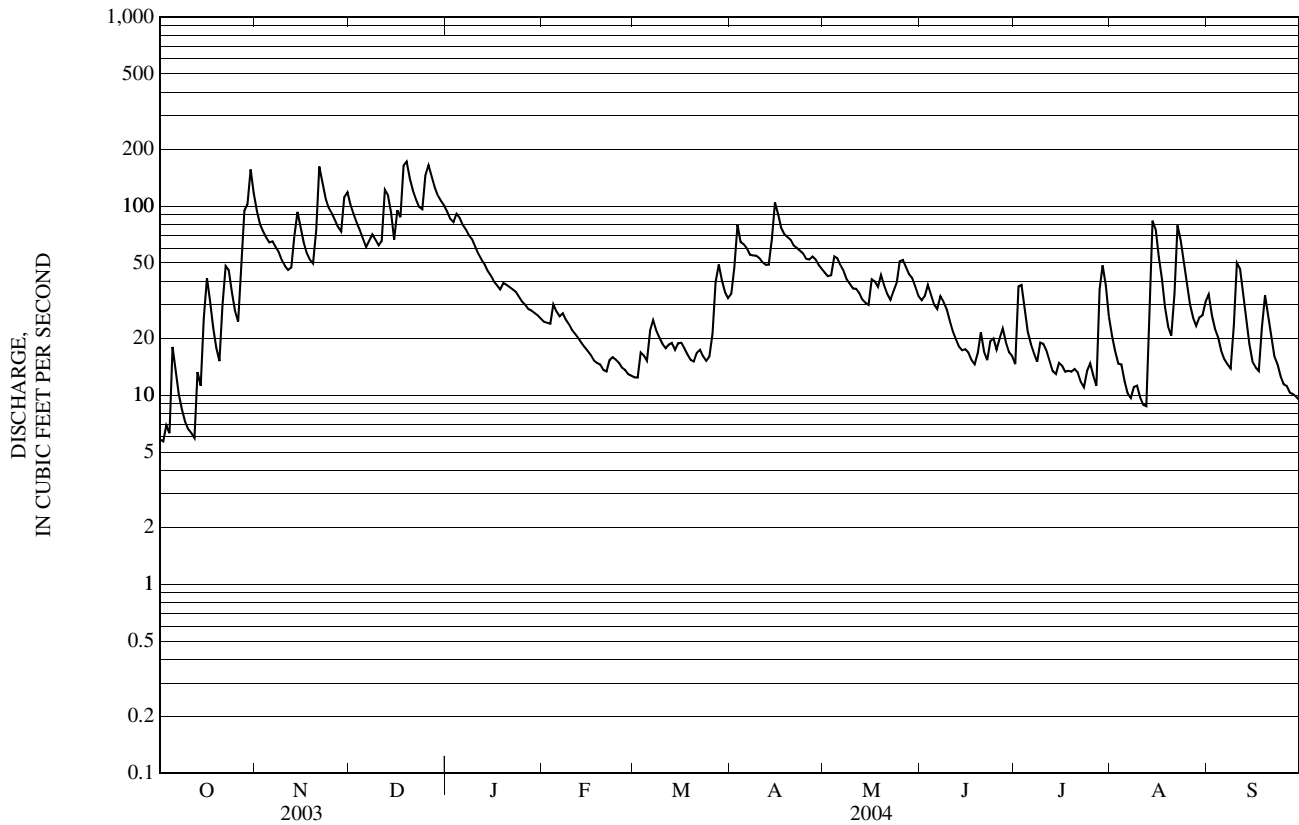
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	12.4	34.8	55.6	28.1	24.2	49.9	87.6	49.7	28.3	14.6	13.7	8.28
MAX	32.6	78.5	103	50.5	29.1	78.6	106	57.9	40.7	19.6	30.3	20.4
(WY)	(2004)	(2004)	(2004)	(2004)	(2002)	(2002)	(2002)	(2003)	(2003)	(2004)	(2004)	(2004)
MIN	1.37	2.69	6.88	8.29	19.0	21.1	60.1	40.6	21.8	11.7	2.91	1.81
(WY)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)	(2004)	(2004)	(2002)	(2003)	(2002)	(2002)

e Estimated

01021452 MOPANG STREAM NEAR BEDDINGTON, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	16,199.9		15,219.5		33.9	
ANNUAL MEAN	44.4		41.6		41.6	
HIGHEST ANNUAL MEAN					26.7	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	195	Mar 31	172	Dec 19	195	Mar 31, 2003
LOWEST DAILY MEAN	1.2	Aug 26	5.7	Oct 2	0.74	Oct 5, 2001
ANNUAL SEVEN-DAY MINIMUM	1.4	Sep 13	8.2	Oct 7	0.84	Oct 4, 2001
MAXIMUM PEAK FLOW			193	Dec 18	208	Dec 21, 2002
MAXIMUM PEAK STAGE			3.99	Jan 9	4.25	Feb 12, 2002
INSTANTANEOUS LOW FLOW			4.9	Oct 2	0.71	Oct 4, 2001
ANNUAL RUNOFF (CFSM)	2.36		2.21		1.80	
ANNUAL RUNOFF (INCHES)	32.06		30.12		24.52	
10 PERCENT EXCEEDS	99		90		84	
50 PERCENT EXCEEDS	32		32		22	
90 PERCENT EXCEEDS	4.6		13		2.1	



01021470 LIBBY BROOK NEAR NORTHFIELD, ME

LOCATION.--Lat 44°48'03", long 67°43'30" (corrected), Washington County, Hydrologic Unit 01050002, on left bank, 0.9 mi southwest of the confluence with Machias River.

DRAINAGE AREA.--7.79 mi².

PERIOD OF RECORD.--

DISCHARGE: July 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 133.16 ft above North American Vertical Datum of 1988.

REMARKS.--Records good, except for periods of ice effect, Dec. 4-11, 13-14, 17, 20-21, Jan. 7 to Mar. 5, Mar. 19, and period of doubtful stage-discharge relation, Sept. 21-30, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 190 ft³/s, Mar. 1, 2002, gage height, 3.48 ft; maximum gage height, 5.68 ft, Mar. 4, 2003 (backwater from ice); minimum discharge, 2.2 ft³/s, July 26, 2002, gage height, 1.48 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	0800	*103	3.18	Jan 11	0415	Ice Jam	*4.27

Minimum discharge, 3.1 ft³/s, Aug. 5-6, gage height, 1.51 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	34	26	15	e5.9	e6.2	15	11	9.0	9.1	4.8	7.1
2	6.1	23	20	13	e5.8	e6.4	25	11	11	13	5.0	6.0
3	6.7	17	14	13	e5.6	e8.4	42	11	14	12	4.4	5.9
4	6.2	15	e12	17	e8.5	e8.5	32	21	12	11	3.6	5.9
5	9.9	12	e9.9	16	e8.1	e8.6	27	20	9.9	8.7	3.2	5.9
6	7.3	13	e8.3	14	e7.8	16	25	16	8.5	8.6	3.6	5.7
7	6.3	11	e8.5	e13	e7.9	18	22	13	9.5	7.1	4.4	5.5
8	6.1	10	e9.1	e12	e7.6	15	19	11	9.7	5.6	5.5	5.7
9	6.0	8.9	e8.5	e11	e7.3	12	16	9.6	8.1	7.2	4.8	8.9
10	5.8	8.6	e8.4	e10	e7.0	10	14	9.0	6.8	7.0	4.1	19
11	5.7	8.3	e10	e9.7	e6.9	9.1	13	10	6.4	6.1	3.7	14
12	5.5	9.0	45	e9.3	e6.8	9.0	11	9.7	5.9	5.1	4.1	10
13	6.7	24	e44	e9.3	e6.7	8.8	11	8.3	5.8	4.9	23	8.1
14	6.4	37	e40	e8.9	e6.6	8.3	20	8.4	5.6	4.4	77	7.3
15	12	30	25	e8.7	e6.4	8.9	37	8.4	6.0	5.7	68	7.2
16	16	22	19	e8.3	e6.4	8.8	32	13	5.8	6.1	38	7.0
17	10	16	e15	e8.0	e6.3	8.2	24	14	5.2	5.6	24	6.9
18	8.6	13	57	e7.8	e6.2	7.7	19	13	6.2	5.2	15	14
19	7.9	11	63	e8.9	e6.1	e7.5	16	22	5.3	5.5	11	20
20	7.2	20	e47	e8.5	e6.0	7.3	15	17	7.3	5.4	9.6	15
21	12	55	e33	e8.1	e6.2	7.8	13	14	5.5	5.3	19	11
22	16	49	24	e7.7	e6.5	8.1	13	11	5.1	4.2	59	9.7
23	13	31	19	e7.4	e6.3	7.5	12	12	5.1	3.8	45	8.4
24	11	23	19	e7.2	e6.2	7.4	11	14	5.4	5.0	27	7.2
25	9.7	19	44	e6.8	e6.1	8.0	10	27	5.7	5.3	17	6.9
26	8.7	15	53	e6.7	e6.0	12	11	28	14	4.7	12	6.4
27	20	13	40	e6.6	e6.0	26	16	24	37	4.6	9.7	6.0
28	46	11	29	e6.6	e6.0	30	15	19	28	6.2	8.7	6.0
29	52	29	23	e6.4	e6.1	24	13	16	20	5.8	7.7	6.4
30	87	30	19	e6.1	---	18	12	13	13	5.3	7.5	6.0
31	57	---	17	e5.9	---	15	---	11	---	4.8	8.0	---
TOTAL	484.5	617.8	809.7	296.9	191.3	356.5	561	445.4	296.8	198.3	537.4	259.1
MEAN	15.6	20.6	26.1	9.58	6.60	11.5	18.7	14.4	9.89	6.40	17.3	8.64
MAX	87	55	63	17	8.5	30	42	28	37	13	77	20
MIN	5.5	8.3	8.3	5.9	5.6	6.2	10	8.3	5.1	3.8	3.2	5.5
CFSM	2.01	2.64	3.35	1.23	0.85	1.48	2.40	1.84	1.27	0.82	2.23	1.11
IN.	2.31	2.95	3.87	1.42	0.91	1.70	2.68	2.13	1.42	0.95	2.57	1.24

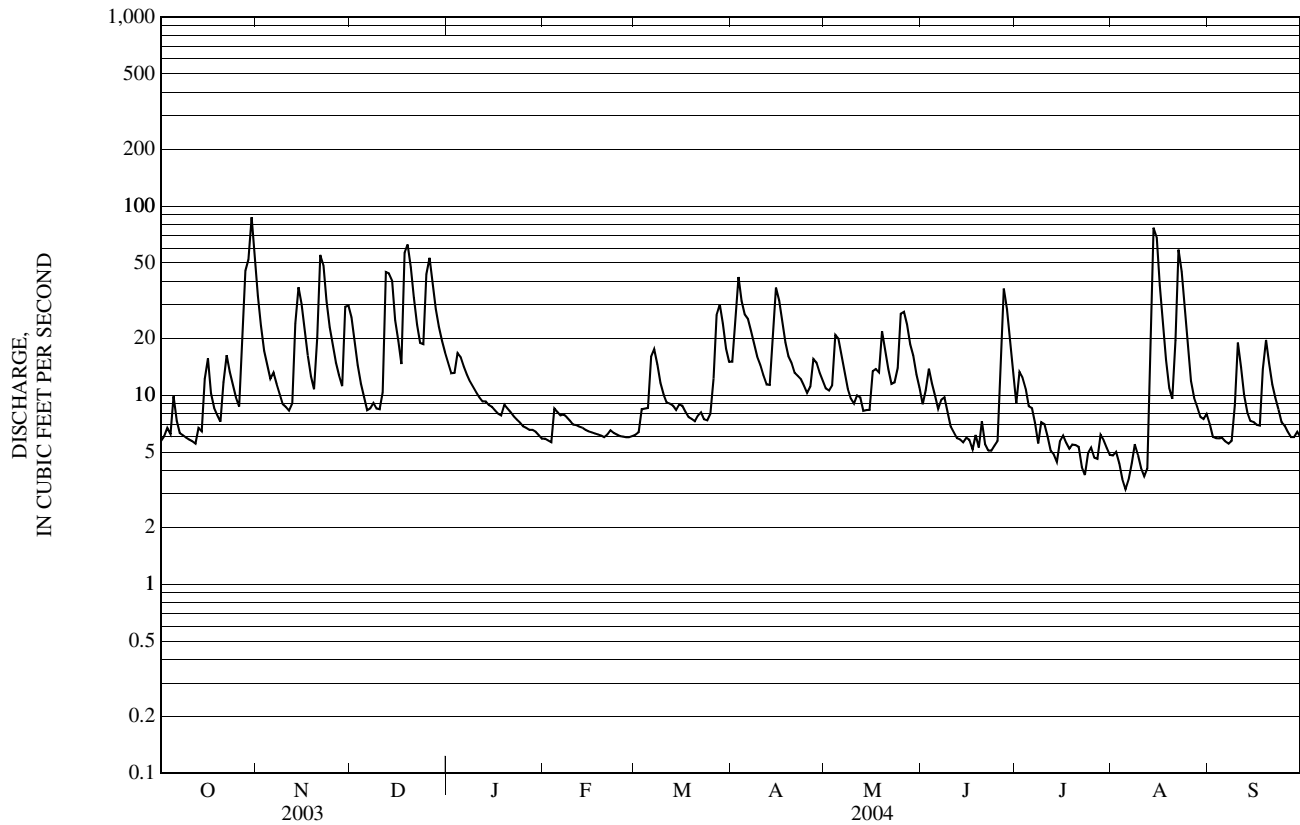
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

	2000	2001	2002	2003	2004
MEAN	8.68	13.4	16.0	6.94	9.56
MAX	15.6	20.6	26.1	9.58	15.8
(WY)	(2004)	(2004)	(2004)	(2002)	(2002)
MIN	4.39	4.50	5.55	4.98	6.60
(WY)	(2002)	(2002)	(2002)	(2002)	(2004)

e Estimated

01021470 LIBBY BROOK NEAR NORTHFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2000 - 2004	
ANNUAL TOTAL	5,284.8		5,054.7		11.7	
ANNUAL MEAN	14.5		13.8		13.8	
HIGHEST ANNUAL MEAN					9.16	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	101	Mar 31	87	Oct 30	113	Feb 28, 2002
LOWEST DAILY MEAN	3.6	Aug 24	3.2	Aug 5	2.7	Jul 26, 2002
ANNUAL SEVEN-DAY MINIMUM	4.2	Aug 23	4.1	Aug 1	3.4	Jul 31, 2002
MAXIMUM PEAK FLOW			103	Oct 30	190	Mar 1, 2002
MAXIMUM PEAK STAGE			4.27	Jan 11	5.68	Mar 4, 2003
INSTANTANEOUS LOW FLOW			3.1	Aug 5	2.2	Jul 26, 2002
ANNUAL RUNOFF (CFSM)	1.86		1.77		1.50	
ANNUAL RUNOFF (INCHES)	25.24		24.14		20.34	
10 PERCENT EXCEEDS	32		27		24	
50 PERCENT EXCEEDS	9.0		9.3		7.3	
90 PERCENT EXCEEDS	4.7		5.6		4.1	



01021480 OLD STREAM NEAR WESLEY, ME

LOCATION.--Lat 44°56'13", long 67°44'10" (corrected), Washington County, Hydrologic Unit 01050002, on left bank at upstream side of State Route 9 highway bridge, 0.6 mi upstream from Chain Lakes Stream, and 3.6 mi west of Wesley.

DRAINAGE AREA.--29.1 mi².

PERIOD OF RECORD.--

DISCHARGE: July 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 170 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REVISED RECORDS.--WDR ME-00-1: 1999(M).

REMARKS.--Records good, except for period of ice effect, Jan. 7 to Feb. 21, which is fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 527 ft³/s, Mar. 31, 2003, gage height 6.52 ft; maximum gage height, 6.76 ft, Dec. 23, 1998 (backwater from ice); minimum discharge, 1.5 ft³/s, Sept. 7 and 14, 2001, gage height 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 260 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	0630	349	5.88	Dec 26	1530	336	5.83
Nov 21	2130	305	5.70	Apr 3	1715	262	5.51
Dec 19	1300	*377	*5.99	Apr 15	1915	285	5.61

Minimum discharge, 4.4 ft³/s, Oct. 1-2, 4, gage height, 3.54 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	203	167	114	e21	16	68	56	42	10	22	28
2	4.5	147	135	99	e21	16	113	53	43	29	28	24
3	5.3	114	106	92	e20	19	249	49	48	31	23	23
4	5.0	97	87	100	e25	20	233	66	45	31	20	21
5	14	84	74	96	e24	20	181	70	39	28	17	20
6	12	82	64	85	e23	27	144	66	35	24	13	17
7	11	72	66	e72	e25	33	124	61	37	21	11	15
8	9.5	63	66	e56	e24	31	117	54	37	18	10	14
9	9.0	55	59	e52	e22	29	117	46	33	19	9.2	21
10	9.4	49	55	e44	e22	26	114	41	28	19	7.9	54
11	7.8	46	61	e40	e21	25	101	39	24	19	5.5	64
12	5.6	47	194	e39	e21	24	90	36	21	18	4.8	53
13	5.5	91	197	e38	e20	24	85	33	19	14	32	42
14	5.1	149	190	e37	e19	23	136	32	17	13	135	33
15	16	134	143	e35	e19	23	261	33	17	14	137	26
16	35	107	130	e32	e18	24	252	52	15	13	107	23
17	33	86	108	e30	e17	22	185	57	13	11	79	21
18	27	71	293	e29	e16	21	144	57	12	10	53	28
19	22	61	354	e32	e16	20	125	73	15	10	38	36
20	18	100	316	e30	e16	19	118	63	19	9.4	31	32
21	35	281	238	e29	e15	20	102	58	15	8.2	41	28
22	67	283	174	e28	17	20	93	48	13	6.7	103	24
23	93	208	140	e28	18	19	86	49	14	6.1	108	22
24	98	153	126	e26	17	18	79	53	13	8.1	88	19
25	84	127	259	e25	17	19	71	85	12	9.4	61	15
26	69	107	328	e24	17	26	66	100	15	8.4	44	13
27	96	92	292	e23	16	57	74	93	19	18	34	9.6
28	178	83	219	e23	16	87	74	79	15	34	28	8.4
29	215	158	170	e22	16	85	66	69	13	41	25	8.0
30	341	192	143	e22	---	75	61	57	11	36	22	6.3
31	287	---	129	e21	---	68	---	48	---	28	27	---
TOTAL	1,822.5	3,542	5,083	1,423	559	956	3,729	1,776	699	565.3	1,364.4	748.3
MEAN	58.8	118	164	45.9	19.3	30.8	124	57.3	23.3	18.2	44.0	24.9
MAX	341	283	354	114	25	87	261	100	48	41	137	64
MIN	4.5	46	55	21	15	16	61	32	11	6.1	4.8	6.3
CFSM	2.02	4.06	5.63	1.58	0.66	1.06	4.27	1.97	0.80	0.63	1.51	0.86
IN.	2.33	4.53	6.50	1.82	0.71	1.22	4.77	2.27	0.89	0.72	1.74	0.96

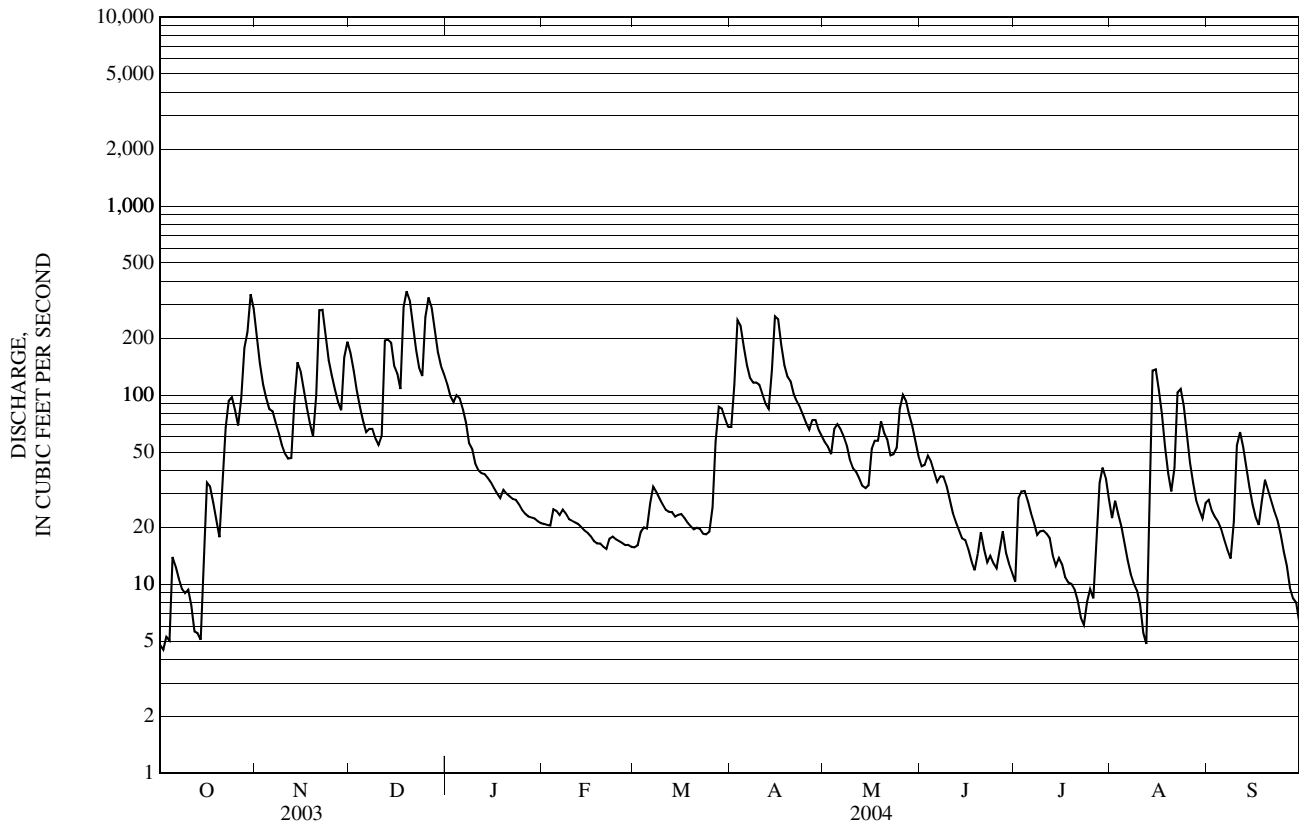
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	24.3	52.1	77.5	47.2	40.2	106	140	59.5	27.8	11.6	11.3	12.1
MAX	58.8	118	164	121	81.6	174	167	75.0	56.9	18.2	44.0	40.3
(WY)	(2004)	(2004)	(2004)	(1999)	(1999)	(1999)	(2000)	(2000)	(2003)	(2004)	(2004)	(1999)
MIN	3.62	5.14	9.95	9.25	16.3	20.5	81.9	43.3	16.4	7.34	2.15	2.61
(WY)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)	(1999)	(1999)	(1999)	(2001)	(2001)	(2001)

e Estimated

01021480 OLD STREAM NEAR WESLEY, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	25,049.4		22,267.5		51.0	
ANNUAL MEAN	68.6		60.8		66.5	
HIGHEST ANNUAL MEAN					29.1	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	511	Mar 31	354	Dec 19	511	Mar 31, 2003
LOWEST DAILY MEAN	2.5	Sep 19	4.5	Oct 2	1.6	Sep 12, 2001
ANNUAL SEVEN-DAY MINIMUM	2.7	Sep 13	7.4	Oct 8	1.6	Sep 9, 2001
MAXIMUM PEAK FLOW			377	Dec 19	527	Mar 31, 2003
MAXIMUM PEAK STAGE			5.99	Dec 19	6.76	Dec 23, 1998
INSTANTANEOUS LOW FLOW			4.4	Oct 1	1.5	Sep 7, 2001
ANNUAL RUNOFF (CFSM)	2.36		2.09		1.75	
ANNUAL RUNOFF (INCHES)	32.02		28.47		23.81	
10 PERCENT EXCEEDS	174		143		130	
50 PERCENT EXCEEDS	39		33		26	
90 PERCENT EXCEEDS	4.4		12		4.3	



01021500 MACHIAS RIVER AT WHITNEYVILLE, ME

LOCATION.--Lat 44°43'23", long 67°31'14" (corrected), Washington County, Hydrologic Unit 01050002, on right bank 800 ft downstream from U.S. Route 1A highway bridge at Whitneyville.

DRAINAGE AREA.--458 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1905 to September 1921, September 1929 to September 1977. May 2001 to current year. Monthly discharge only for some periods published in WSP 1301. Records for October 1903 to September 1905, published in WSP 97, 124, 165, and 241, are unreliable and should not be used.

REVISED RECORDS.--WSP 971: Drainage area. WSP 1231: 1907-15, 1916-21(M). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 37.22 ft above National Geodetic Vertical Datum of 1929. October 1, 1905, to Sept. 30, 1921, nonrecording gage on highway bridge at different datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 5-17, and Dec. 28 to Apr. 2, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft³/s, May 29, 1961, gage height, 16.92 ft; minimum daily discharge, 3.5 ft³/s, Oct. 12, 1939, when flow was held back by cofferdam during reconstruction of highway bridge upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	1500	*5,000	*9.09	Apr 3	1815	3,270	7.14
Nov 22	0115	3,960	7.95	Apr 16	0000	3,240	7.10
Dec 19	1015	4,710	8.78	Aug 14	2030	3,270	7.14
Dec 27	0200	4,060	8.06				

Minimum discharge, 116 ft³/s, Oct. 12, gage height, 3.10 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	172	3,250	2,520	e1,720	e367	e264	e865	994	668	313	302	374
2	161	2,430	2,110	e1,690	e365	e261	e1,060	939	615	300	264	422
3	145	1,980	1,730	e1,580	e360	e265	2,940	908	707	478	258	392
4	130	1,740	1,360	e1,580	e446	e275	2,820	1,120	741	636	244	348
5	176	1,610	e1,180	e1,590	e482	e294	2,170	1,440	649	597	216	316
6	243	1,550	e1,070	e1,500	e448	e328	2,000	1,250	564	475	196	292
7	255	1,490	e1,000	e1,260	e417	e498	1,760	1,080	523	398	182	275
8	211	1,370	e965	e1,090	e402	e587	1,620	949	567	347	181	266
9	176	1,240	e1,000	e963	e379	e505	1,570	838	554	319	185	292
10	148	1,120	e947	e876	e339	e431	1,520	759	492	360	193	580
11	132	1,040	e929	e790	e322	e390	1,430	713	435	403	179	885
12	122	1,000	e2,380	e721	e312	e378	1,310	692	391	368	165	713
13	127	1,300	e2,860	e670	e295	e373	1,220	648	358	317	302	551
14	124	2,560	e2,490	e647	e285	e383	1,390	607	331	282	2,580	442
15	212	2,340	e2,100	e604	e268	e384	2,790	585	314	267	2,690	375
16	551	1,840	e1,840	e567	e257	e384	3,080	642	304	274	1,560	338
17	670	1,470	e1,600	e531	e247	e371	2,510	925	289	274	1,010	322
18	532	1,240	3,290	e506	e239	e347	2,010	900	272	263	714	374
19	416	1,100	4,640	e485	e241	e335	1,750	1,000	264	258	546	657
20	345	1,210	4,380	e472	e250	e324	1,660	1,080	290	249	453	711
21	341	3,410	3,500	e464	e243	e335	1,570	887	328	243	482	593
22	743	3,820	2,650	e451	e256	e350	1,440	738	306	226	1,890	501
23	1,050	3,130	2,240	e445	e284	e347	1,360	698	290	209	1,700	441
24	993	2,410	1,990	e439	e307	e332	1,290	774	280	203	1,140	396
25	840	1,990	2,600	e434	e301	e328	1,190	1,160	272	214	809	365
26	722	1,760	3,770	e430	e289	e420	1,130	1,570	289	248	600	343
27	938	1,580	3,950	e418	e281	e752	1,190	1,360	730	233	486	318
28	2,660	1,470	e3,310	e404	e275	e1,650	1,280	1,130	658	229	417	302
29	3,050	1,880	e2,510	e392	e269	e1,440	1,190	1,020	448	324	372	288
30	4,780	2,720	e2,110	e385	---	e1,130	1,070	915	367	407	356	280
31	4,410	---	e1,910	e377	---	e957	---	774	---	357	349	---
TOTAL	25,575	57,050	70,931	24,481	9,226	15,418	50,185	29,095	13,296	10,071	21,021	12,752
MEAN	825	1,902	2,288	790	318	497	1,673	939	443	325	678	425
MAX	4,780	3,820	4,640	1,720	482	1,650	3,080	1,570	741	636	2,690	885
MIN	122	1,000	929	377	239	261	865	585	264	203	165	266
CFSM	1.80	4.15	5.00	1.72	0.69	1.09	3.65	2.05	0.97	0.71	1.48	0.93
IN.	2.08	4.63	5.76	1.99	0.75	1.25	4.08	2.36	1.08	0.82	1.71	1.04

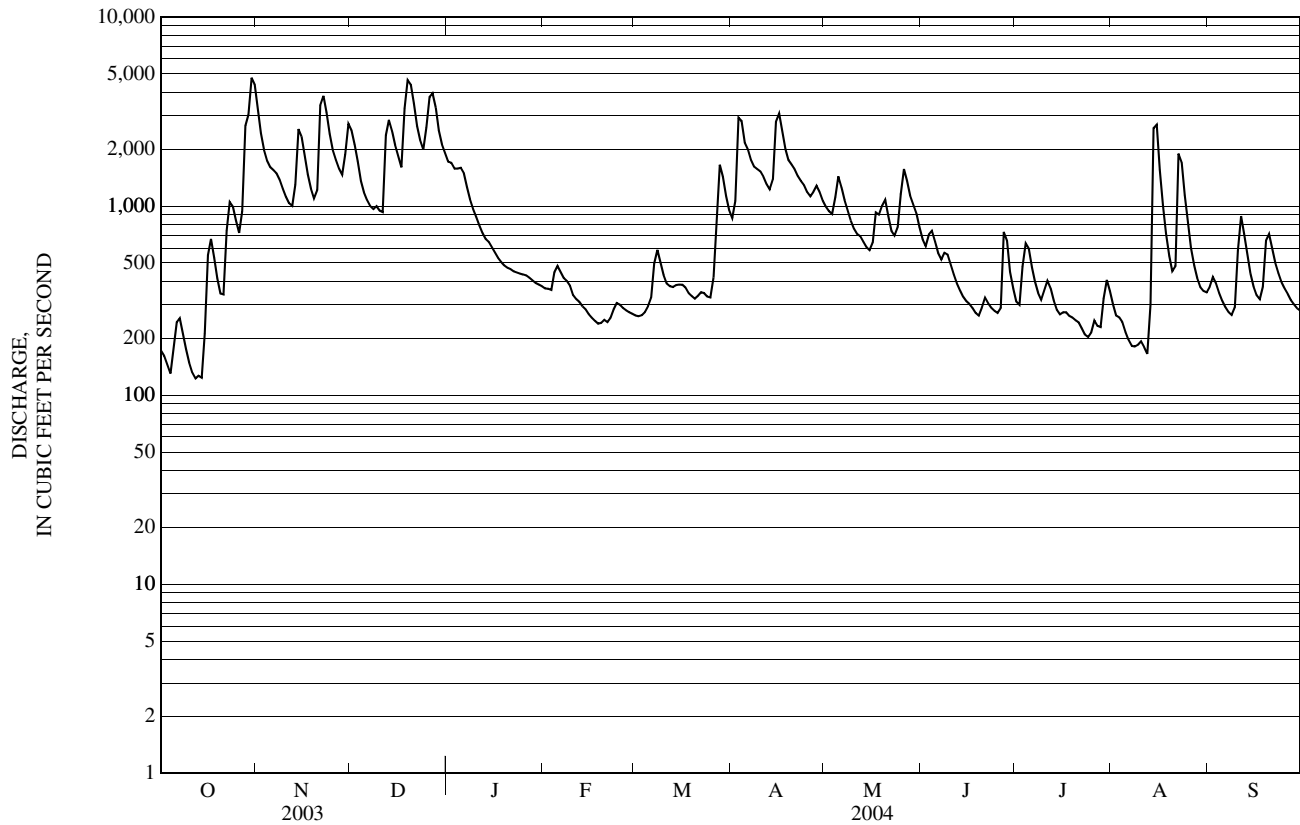
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2004, BY WATER YEAR (WY)

MEAN	532	915	1,016	789	695	1,200	2,393	1,696	847	454	310	333
MAX	1,867	2,225	2,972	2,059	2,799	3,633	5,836	3,163	3,206	1,189	993	1,624
(WY)	(1919)	(1944)	(1951)	(1958)	(1976)	(1936)	(1920)	(1963)	(1917)	(1947)	(1943)	(1954)
MIN	62.1	76.4	144	146	195	242	1,008	549	228	127	50.0	50.5
(WY)	(2002)	(2002)	(1956)	(1948)	(1940)	(1967)	(1915)	(1966)	(1941)	(1949)	(2001)	(2001)

e Estimated

01021500 MACHIAS RIVER AT WHITNEYVILLE, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1906 - 2004	
ANNUAL TOTAL	409,094		339,101		930	
ANNUAL MEAN	1,121		927		1,498	
HIGHEST ANNUAL MEAN					542	
LOWEST ANNUAL MEAN					13,900	
HIGHEST DAILY MEAN	6,780	Apr 1	4,780	Oct 30	1973	1966
LOWEST DAILY MEAN	61	Sep 16	122	Oct 12	May 29, 1961	Oct 12, 1939
ANNUAL SEVEN-DAY MINIMUM	63	Sep 16	149	Oct 8	27	Sep 15, 2001
MAXIMUM PEAK FLOW			5,000	Oct 30	14,800	May 29, 1961
MAXIMUM PEAK STAGE			9.09	Oct 30	16.92	May 29, 1961
INSTANTANEOUS LOW FLOW			116	Oct 12	2.03	
ANNUAL RUNOFF (CFSM)	2.45		2.02		27.59	
ANNUAL RUNOFF (INCHES)	33.23		27.54		2,230	
10 PERCENT EXCEEDS	2,620		2,130		553	
50 PERCENT EXCEEDS	722		552		170	
90 PERCENT EXCEEDS	103		250			



01022220 PLEASANT RIVER NEAR CREBO FLAT, ME

LOCATION.--Lat 44°46'08", long 67°55'24" (corrected), Washington County, Hydrologic Unit 01050002, on right bank in T18 MDBPP, 7 mi downstream from Pleasant River Lake, 4 mi upstream from Crebo Brook, and 4.5 mi east of Deblois.

DRAINAGE AREA.--25.5 mi²

PERIOD OF RECORD.--

DISCHARGE: Occasional low-flow measurements, water years 2000-2002. August 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 200 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 325 ft³/s, Mar. 31, 2003, gage height, 5.38 ft; minimum discharge, 3.3 ft³/s, Sept. 11, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 225 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	1545	265	5.13	Dec 18	1115	*298	*5.27
Nov 21	0315	237	5.00				

Minimum discharge, 6.7 ft³/s, Oct. 1, gage height, 2.98 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

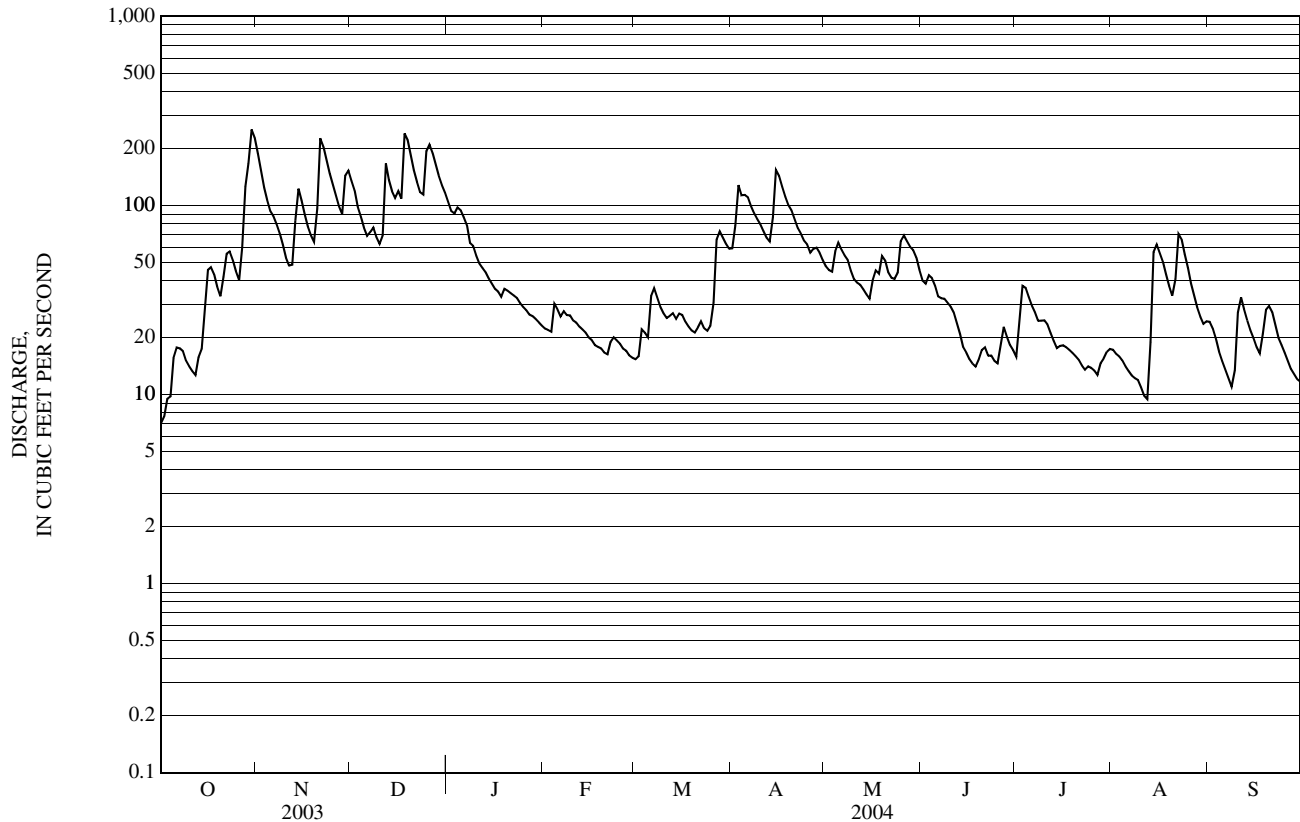
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	188	135	104	22	15	59	48	40	16	17	24
2	7.7	154	120	93	22	16	78	45	39	24	16	22
3	9.5	124	99	91	22	22	128	45	43	38	16	20
4	9.8	107	87	98	30	21	113	57	41	37	15	17
5	16	93	76	94	28	20	114	64	38	33	14	15
6	18	88	69	87	26	33	110	58	33	30	13	14
7	18	80	72	79	28	36	99	54	32	27	13	12
8	17	71	76	63	26	32	91	51	32	25	12	11
9	15	62	68	61	26	29	85	45	31	25	12	13
10	14	53	63	54	25	27	79	41	29	25	11	27
11	13	48	69	49	24	25	73	39	27	24	9.9	33
12	13	49	167	47	23	26	68	38	24	21	9.5	28
13	16	83	136	44	22	27	64	36	21	19	19	25
14	17	123	119	41	21	25	87	34	18	18	57	22
15	27	107	110	39	20	27	154	32	17	18	62	20
16	46	90	119	36	19	26	143	40	15	18	56	18
17	47	78	109	35	18	24	126	45	15	18	50	17
18	43	69	240	33	18	23	111	44	14	17	43	21
19	37	64	222	36	18	22	100	54	15	17	37	28
20	33	96	184	35	17	21	94	51	17	16	33	29
21	42	227	154	34	16	23	84	44	18	15	41	27
22	55	204	133	33	19	24	76	41	16	14	71	24
23	57	174	118	32	20	22	71	41	16	14	66	20
24	51	148	114	30	19	22	65	44	15	14	55	18
25	45	130	193	29	19	23	62	65	15	14	47	17
26	40	113	210	28	18	31	56	69	18	13	39	15
27	60	99	190	26	17	66	59	65	23	13	33	14
28	126	90	164	26	16	73	60	60	20	15	29	13
29	167	144	143	25	16	68	56	58	18	15	26	12
30	252	153	128	24	---	63	51	53	17	17	24	12
31	229	---	117	23	---	59	---	46	---	17	24	---
TOTAL	1,548.0	3,309	4,004	1,529	615	971	2,616	1,507	717	627	970.4	588
MEAN	49.9	110	129	49.3	21.2	31.3	87.2	48.6	23.9	20.2	31.3	19.6
MAX	252	227	240	104	30	73	154	69	43	38	71	33
MIN	7.0	48	63	23	16	15	51	32	14	13	9.5	11
CFSM	1.96	4.33	5.07	1.93	0.83	1.23	3.42	1.91	0.94	0.79	1.23	0.77
IN.	2.26	4.83	5.84	2.23	0.90	1.42	3.82	2.20	1.05	0.91	1.42	0.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

	2002	2003	2004	2002	2003	2004	2002	2003	2004	2002	2003	2004
MEAN	29.4	79.2	108	45.2	26.7	55.9	106	60.6	37.0	15.7	21.4	10.1
MAX	49.9	110	129	49.3	32.4	80.5	124	72.6	50.2	20.2	31.3	19.6
(WY)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2004)
MIN	8.77	48.2	85.9	41.1	21.2	31.3	87.2	48.6	23.9	11.2	11.6	5.06
(WY)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2002)

01022220 PLEASANT RIVER NEAR CREBO FLAT, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	21,893.2		19,001.4		49.8	
ANNUAL MEAN	60.0		51.9		51.9	
HIGHEST ANNUAL MEAN					47.7	
LOWEST ANNUAL MEAN					318	
HIGHEST DAILY MEAN	318	Mar 31	252	Oct 30	318	Mar 31, 2003
LOWEST DAILY MEAN	4.3	Sep 19	7.0	Oct 1	3.7	Sep 11, 2002
ANNUAL SEVEN-DAY MINIMUM	4.5	Sep 13	11	Aug 6	4.0	Sep 8, 2002
MAXIMUM PEAK FLOW			298	Dec 18	325	Mar 31, 2003
MAXIMUM PEAK STAGE			5.27	Dec 18	5.38	Mar 31, 2003
INSTANTANEOUS LOW FLOW			6.7	Oct 1	3.3	Sep 11, 2002
ANNUAL RUNOFF (CFSM)	2.35		2.04		1.95	
ANNUAL RUNOFF (INCHES)	31.94		27.72		26.54	
10 PERCENT EXCEEDS	133		118		114	
50 PERCENT EXCEEDS	43		33		33	
90 PERCENT EXCEEDS	7.7		15		9.8	



01022260 PLEASANT RIVER NEAR EPPING, ME

LOCATION.--Lat 44°41'52", long 67°47'14" (corrected), Washington County, Hydrologic Unit 01050002, on right bank at Saco Falls, 100 ft upstream from East Base Road bridge in Columbia, 0.6 mi upstream from North Branch Pleasant River, and 1.6 mi northeast of the village of Epping.

DRAINAGE AREA.--60.6 mi².

PERIOD OF RECORD.--

DISCHARGE: July 1980 to September 1991. October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 127.02 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 4-28, Jan. 2-3, Jan. 6 to Mar. 25, and periods of doubtful gage-height record, Dec. 6-7, 14, Jan. 2-3, 14-15, Mar. 19, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,240 ft³/s, May 13, 1989, gage height, 10.77 ft; minimum discharge, 10 ft³/s, Dec. 2, 2002, gage height, 4.72 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 440 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 31	1715	*553	8.35	Dec 28	---	452 ^a	---
Dec 21	---	496 ^a	---	Jan 16	0215	Ice Jam	*11.64

Minimum discharge, 24 ft³/s, Aug. 13, gage height, 5.09 ft.

^a Estimated daily discharge

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	516	300	281	e64	e60	159	138	119	82	40	74
2	29	433	316	e247	e63	e67	175	129	111	84	38	65
3	28	369	291	e225	e63	e86	226	128	134	117	35	56
4	30	319	e242	226	e81	e95	274	153	135	163	30	50
5	48	274	e206	226	e108	e89	292	179	118	152	28	45
6	59	238	e180	e218	e100	e107	279	174	101	122	28	40
7	51	213	e163	e198	e87	e135	267	157	94	101	29	37
8	43	192	e152	e174	e84	e147	244	139	104	85	30	35
9	38	169	e155	e158	e81	e125	219	125	95	81	35	39
10	34	147	e153	e144	e81	e103	200	113	82	84	32	93
11	31	128	e140	e131	e81	e87	184	110	70	77	28	121
12	30	123	e196	e122	e78	e78	170	108	63	66	26	104
13	32	161	e264	e114	e76	e83	159	102	56	56	67	80
14	39	225	e296	e111	e74	e87	173	95	50	49	254	64
15	54	261	e291	e106	e71	e80	232	92	47	51	300	54
16	110	282	e275	e101	e69	e83	286	112	45	56	332	49
17	121	267	e254	e96	e67	e75	316	147	41	52	320	46
18	107	229	e280	e94	e64	e71	297	141	38	47	248	62
19	91	190	e335	e91	e62	e69	260	165	37	44	155	133
20	78	188	e412	e89	e60	e66	231	177	56	42	113	133
21	83	261	e496	e87	e60	e62	210	156	58	40	113	104
22	124	315	e445	e84	e69	e74	194	129	49	37	211	82
23	140	413	e373	e82	e82	e68	181	122	50	34	260	69
24	134	403	e325	e80	e89	e64	170	134	54	35	288	56
25	118	356	e314	e77	e86	e68	157	179	49	41	262	49
26	102	312	e332	e75	e81	109	151	213	63	39	178	45
27	124	273	e424	e73	e71	167	161	220	170	35	115	41
28	208	241	e452	e70	e64	236	171	200	195	37	91	37
29	269	248	397	e68	e61	251	164	180	144	54	78	37
30	395	263	346	e66	---	207	151	162	105	51	69	35
31	524	---	312	e65	---	172	---	139	---	44	66	---
TOTAL	3,308	8,009	9,117	3,979	2,177	3,271	6,353	4,518	2,533	2,058	3,899	1,935
MEAN	107	267	294	128	75.1	106	212	146	84.4	66.4	126	64.5
MAX	524	516	496	281	108	251	316	220	195	163	332	133
MIN	28	123	140	65	60	60	151	92	37	34	26	35
CFSM	1.76	4.41	4.85	2.12	1.24	1.74	3.49	2.40	1.39	1.10	2.08	1.06
IN.	2.03	4.92	5.60	2.44	1.34	2.01	3.90	2.77	1.55	1.26	2.39	1.19

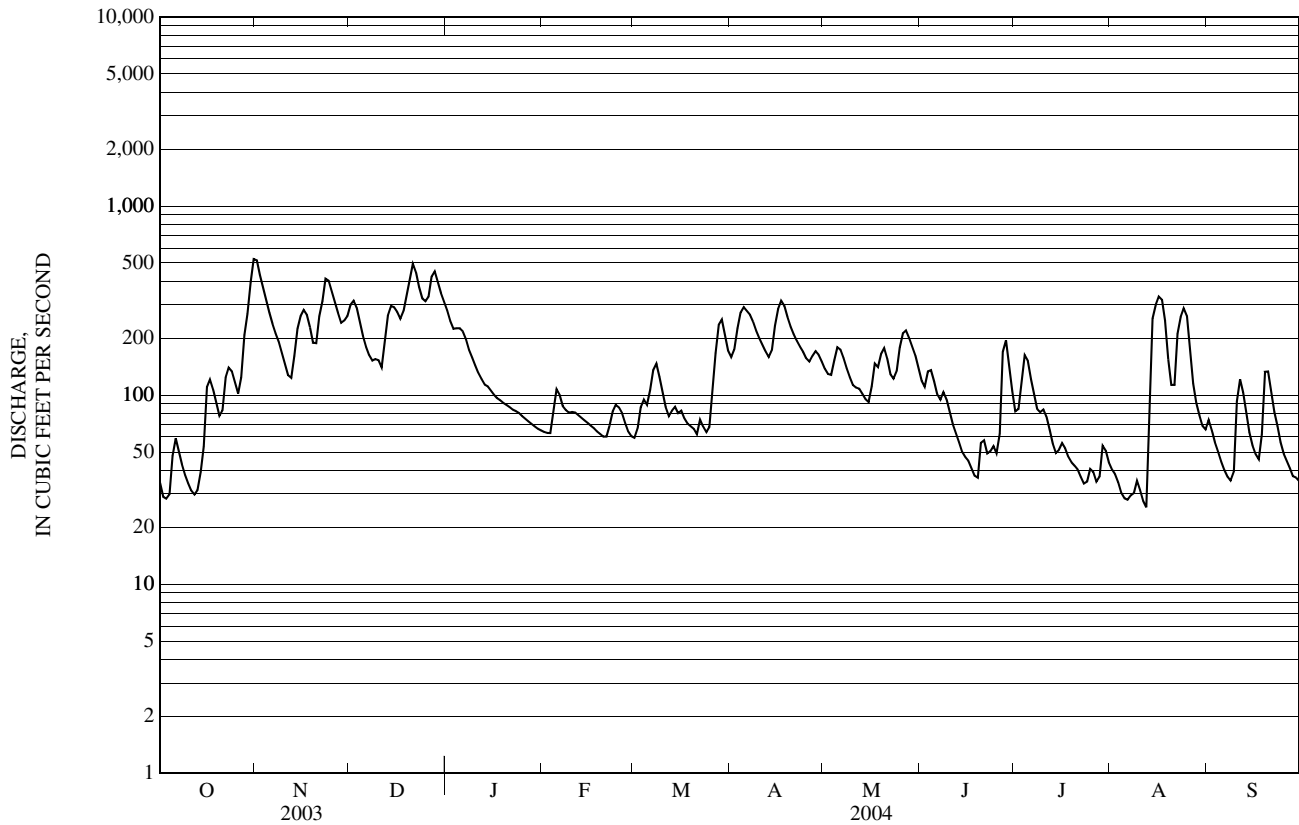
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	76.5	151	171	98.3	143	193	302	180	111	62.5	62.7	56.4
MAX	180	267	315	159	352	314	477	459	270	149	144	140
(WY)	(1982)	(1989)	(1984)	(1982)	(1981)	(1991)	(1982)	(1989)	(1984)	(1984)	(1986)	(1981)
MIN	18.6	22.9	41.9	42.0	70.3	104	129	116	49.1	24.5	14.9	17.8
(WY)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)	(1985)	(2001)	(1988)	(2001)	(2001)	(2001)

e Estimated

01022260 PLEASANT RIVER NEAR EPPING, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	53,117		51,157		134	
ANNUAL MEAN	146		140		194	
HIGHEST ANNUAL MEAN					194	
LOWEST ANNUAL MEAN					83.9	
HIGHEST DAILY MEAN	699	Apr 1	524	Oct 31	1,210	May 13, 1989
LOWEST DAILY MEAN	16	Sep 3	26	Aug 12	12	Sep 14, 2001
ANNUAL SEVEN-DAY MINIMUM	17	Sep 13	30	Aug 6	12	Sep 14, 2001
MAXIMUM PEAK FLOW			553	Oct 31	1,240	May 13, 1989
MAXIMUM PEAK STAGE			11.64	Jan 16	11.64	Jan 16, 2004
INSTANTANEOUS LOW FLOW			24	Aug 13	10	Dec 2, 2002
ANNUAL RUNOFF (CFSM)	2.40		2.31		2.21	
ANNUAL RUNOFF (INCHES)	32.61		31.40		30.01	
10 PERCENT EXCEEDS	317		287		294	
50 PERCENT EXCEEDS	104		108		91	
90 PERCENT EXCEEDS	23		40		33	



01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44°51'31", long 68°06'21" (corrected), Hancock County, Hydrologic Unit 01050002, on left bank 600 ft upstream from confluence with the West Branch Bear Brook and 0.7 mi upstream from the mouth of Bear Brook at Bear Pond.

DRAINAGE AREA.--0.042 mi². Furnished by U.S. Environmental Protection Agency.

PERIOD OF RECORD.--

DISCHARGE: March 1988 to current year.

REVISED RECORDS.--WDR ME-89-1: Drainage area.

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 906.55 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for flows between 0.14 ft³/s and 0.050 ft³/s, which are fair, and for flows below 0.050 ft³/s, periods of ice effect, Jan. 8-31, Feb. 15 to Mar. 7, 9, Mar. 17-18, 23-24, and periods of doubtful stage-discharge relation, Oct. 2-3, 16-20, Nov. 21-25, July 3, 11-12, 25-26, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18.6 ft³/s, Mar. 9, 1998, gage height, 6.91 ft; no flow for many days in 1988-2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2.20 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 15	1400	2.80	5.84	Nov 20	1855	3.25	5.89
Oct 28	0045	*4.73	*6.03	Dec 18	0540	4.05	5.97
Oct 29	2040	2.98	5.86	Dec 24	2340	3.75	5.94

Minimum daily discharge, 0.003 ft³/s, Feb. 19 to Mar. 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.006	0.24	0.21	0.12	0.006	e0.003	0.20	0.076	0.080	0.006	0.063	0.12
2	e0.017	0.18	0.16	0.093	0.006	e0.003	0.43	0.072	0.11	0.039	0.048	0.067
3	e0.040	0.15	0.12	0.095	0.006	e0.005	0.45	0.090	0.12	e0.027	0.033	0.049
4	0.052	0.14	0.11	0.20	0.016	e0.005	0.27	0.41	0.088	0.020	0.027	0.039
5	0.20	0.15	0.091	0.14	0.014	e0.007	0.21	0.24	0.067	0.015	0.026	0.036
6	0.083	0.19	0.081	0.11	0.011	e0.015	0.14	0.16	0.055	0.014	0.025	0.030
7	0.048	0.15	0.084	0.082	0.011	e0.033	0.16	0.12	0.068	0.011	0.026	0.028
8	0.031	0.13	0.077	e0.055	0.010	e0.031	0.22	0.096	0.061	0.010	0.026	0.028
9	0.025	0.11	0.072	e0.038	0.008	e0.027	0.22	0.084	0.044	0.062	0.024	0.074
10	0.021	0.10	0.069	e0.029	0.009	0.024	0.17	0.073	0.033	0.048	0.014	0.15
11	0.016	0.099	0.36	e0.023	0.008	0.024	0.13	0.079	0.026	e0.031	0.012	0.11
12	0.015	0.12	1.01	e0.019	0.008	0.024	0.12	0.071	0.021	e0.019	0.013	0.067
13	0.25	0.63	0.29	e0.017	0.007	0.022	0.12	0.059	0.017	0.013	0.15	0.046
14	0.13	0.39	0.17	e0.015	0.007	0.021	0.94	0.056	0.015	0.012	0.35	0.036
15	0.81	0.22	0.14	e0.014	e0.006	0.022	0.80	0.056	0.016	0.024	0.17	0.030
16	e0.38	0.16	0.10	e0.013	e0.006	0.020	0.31	0.13	0.013	0.029	0.10	0.034
17	e0.17	0.14	0.12	e0.012	e0.005	e0.020	0.19	0.11	0.008	0.021	0.071	0.032
18	e0.11	0.13	1.58	e0.011	e0.004	e0.019	0.16	0.11	0.006	0.015	0.048	0.13
19	e0.089	0.12	0.38	e0.010	e0.003	0.018	0.15	0.20	0.013	0.013	0.039	0.14
20	e0.078	1.35	0.21	e0.011	e0.003	0.018	0.13	0.12	0.015	0.012	0.041	0.088
21	0.45	e0.88	0.15	e0.010	e0.003	0.020	0.11	0.095	0.010	0.010	0.36	0.059
22	0.39	e0.34	0.12	e0.010	e0.003	0.019	0.11	0.081	0.007	0.006	0.38	0.043
23	0.21	e0.22	0.11	e0.010	e0.003	e0.018	0.099	0.10	0.009	0.006	0.15	0.039
24	0.15	e0.18	0.60	e0.009	e0.003	e0.017	0.090	0.15	0.007	0.081	0.091	0.032
25	0.12	e0.15	1.53	e0.009	e0.003	0.024	0.079	0.35	0.009	e0.060	0.062	0.026
26	0.12	0.12	0.58	e0.009	e0.003	0.12	0.093	0.25	0.020	e0.028	0.048	0.026
27	0.93	0.11	0.29	e0.008	e0.003	0.57	0.12	0.20	0.029	0.020	0.041	0.021
28	1.48	0.10	0.20	e0.008	e0.003	0.40	0.11	0.16	0.015	0.45	0.035	0.020
29	1.28	0.79	0.17	e0.007	e0.003	0.24	0.088	0.16	0.012	0.24	0.041	0.019
30	0.87	0.33	0.16	e0.007	---	0.20	0.081	0.12	0.009	0.13	0.047	0.015
31	0.34	---	0.15	e0.006	---	0.16	---	0.096	---	0.077	0.17	---
TOTAL	8.911	8.119	9.494	1.200	0.181	2.149	6.500	4.174	1.003	1.549	2.731	1.634
MEAN	0.29	0.27	0.31	0.04	0.01	0.07	0.22	0.13	0.03	0.05	0.09	0.05
MAX	1.48	1.35	1.58	0.20	0.016	0.57	0.94	0.41	0.12	0.45	0.38	0.15
MIN	0.006	0.099	0.069	0.006	0.003	0.003	0.079	0.056	0.006	0.006	0.012	0.015
CFSM	6.84	6.44	7.29	0.92	0.15	1.65	5.16	3.21	0.80	1.19	2.10	1.30
IN.	7.89	7.19	8.41	1.06	0.16	1.90	5.76	3.70	0.89	1.37	2.42	1.45

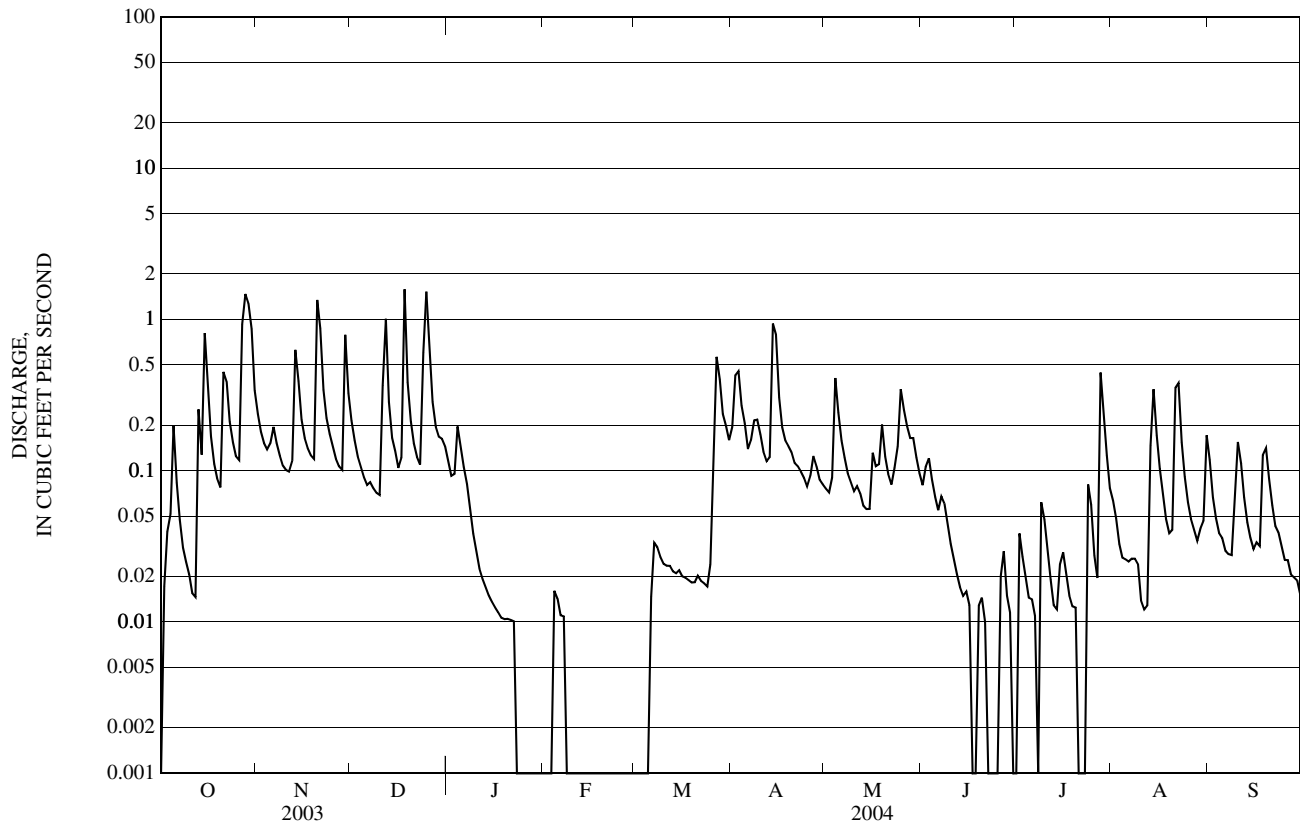
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	0.08	0.17	0.15	0.12	0.08	0.21	0.25	0.15	0.06	0.02	0.01	0.02
MAX	0.29	0.34	0.39	0.37	0.22	0.49	0.45	0.49	0.18	0.25	0.09	0.07
(WY)	(2004)	(1996)	(1997)	(1996)	(2002)	(1998)	(1993)	(1989)	(1998)	(1996)	(2004)	(1999)
MIN	0.00	0.00	0.03	0.02	0.01	0.02	0.10	0.03	0.01	0.00	0.00	0.00
(WY)	(2002)	(2002)	(1990)	(2001)	(2004)	(2001)	(1999)	(2001)	(1991)	(1991)	(1993)	(1993)

e Estimated

01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	51.430		47.670		0.11	
ANNUAL MEAN	0.14		0.13		0.17	
HIGHEST ANNUAL MEAN					0.06	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	2.16	Mar 30	1.58	Dec 18	5.00	Mar 27, 1988
LOWEST DAILY MEAN	0.000	Jun 29	0.000	Feb 17	0.000	Jun 14, 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 29	0.00	Feb 17	0.00	Jun 14, 1988
MAXIMUM PEAK FLOW			4.73	Oct 28	19	Mar 9, 1998
MAXIMUM PEAK STAGE			6.03	Oct 28	6.91	Mar 9, 1998
INSTANTANEOUS LOW FLOW					0.00	Jun 20, 1988
ANNUAL RUNOFF (CFSM)	3.35		3.10		2.64	
ANNUAL RUNOFF (INCHES)	45.55		42.22		35.83	
10 PERCENT EXCEEDS	0.34		0.28		0.25	
50 PERCENT EXCEEDS	0.059		0.062		0.043	
90 PERCENT EXCEEDS	0.000		0.008		0.000	



01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44°51'32", long 68°06'22" (corrected), Hancock County, Hydrologic Unit 01050002, on left bank 600 ft upstream from confluence with the East Branch Bear Brook and 0.7 mi upstream from the mouth of Bear Brook at Bear Pond.

DRAINAGE AREA.--0.040 mi². Furnished by U.S. Environmental Protection Agency.

PERIOD OF RECORD.--

DISCHARGE: March 1988 to current year.

REVISED RECORDS.--WDR ME-89-1: Drainage area.

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 912.72 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for flows between 0.14 ft³/s and 0.050 ft³/s, which are fair, and flows below 0.050 ft³/s, periods of ice effect, Jan. 8 to Feb. 3, Feb. 14 to Mar. 24, periods of doubtful stage-discharge relation, Oct. 2-3, Nov. 21-25, July 25, and periods of no gage-height record, Oct. 20-23, and June 21, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16.4 ft³/s, Mar. 9, 1998, gage height, 6.75 ft; no flow, Aug. 1 and 2, 1991 Aug. 27 to Sept. 1, 1993, and Aug. 23-27, Aug. 29 to Sept. 10, and Sept. 12-14, 1999.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2.20 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 28	0125	*4.27	*5.99	Dec 18	0625	3.31	5.90
Oct 29	2130	2.80	5.84	Dec 24	2345	3.95	5.96
Nov 20	1850	3.50	5.92				

Minimum discharge, 0.008 ft³/s, Feb. 2-3 and 27-29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.017	0.24	0.20	0.12	e0.009	e0.009	0.17	0.073	0.074	0.012	0.052	0.095
2	e0.030	0.19	0.15	0.11	e0.008	e0.010	0.37	0.070	0.094	0.040	0.040	0.060
3	e0.061	0.16	0.12	0.11	e0.008	e0.014	0.44	0.077	0.11	0.028	0.031	0.046
4	0.065	0.14	0.10	0.17	0.028	e0.013	0.25	0.40	0.080	0.021	0.026	0.039
5	0.22	0.15	0.090	0.13	0.021	e0.012	0.19	0.23	0.063	0.018	0.021	0.033
6	0.090	0.19	0.079	0.10	0.018	e0.022	0.13	0.15	0.053	0.018	0.018	0.034
7	0.054	0.14	0.082	0.086	0.018	e0.021	0.13	0.11	0.062	0.015	0.020	0.030
8	0.036	0.12	0.073	e0.065	0.017	e0.017	0.18	0.090	0.057	0.016	0.028	0.031
9	0.031	0.11	0.067	e0.051	0.016	e0.016	0.19	0.081	0.045	0.046	0.024	0.064
10	0.025	0.10	0.064	e0.040	0.016	e0.014	0.16	0.072	0.034	0.037	0.019	0.11
11	0.022	0.098	0.33	e0.033	0.016	e0.014	0.12	0.074	0.030	0.027	0.019	0.094
12	0.021	0.11	0.85	e0.027	0.015	e0.014	0.11	0.067	0.027	0.018	0.020	0.061
13	0.23	0.64	0.28	e0.024	0.014	e0.014	0.11	0.060	0.023	0.015	0.13	0.044
14	0.11	0.50	0.16	e0.022	e0.014	e0.013	0.88	0.056	0.023	0.016	0.30	0.032
15	0.69	0.31	0.14	e0.020	e0.013	e0.013	0.81	0.056	0.024	0.025	0.16	0.030
16	0.37	0.23	0.11	e0.018	e0.011	e0.013	0.28	0.11	0.021	0.025	0.094	0.030
17	0.16	0.20	0.12	e0.016	e0.011	e0.013	0.17	0.093	0.018	0.021	0.064	0.032
18	0.11	0.18	1.43	e0.015	e0.010	e0.013	0.14	0.087	0.015	0.017	0.043	0.10
19	0.087	0.17	0.38	e0.014	e0.010	e0.012	0.13	0.15	0.024	0.019	0.037	0.11
20	e0.077	1.42	0.21	e0.013	e0.010	e0.012	0.12	0.11	0.023	0.018	0.035	0.072
21	e0.46	e1.00	0.16	e0.013	e0.009	e0.012	0.10	0.083	e0.018	0.014	0.30	0.046
22	e0.40	e0.36	0.13	e0.013	e0.009	e0.012	0.098	0.071	0.015	0.012	0.37	0.036
23	e0.20	e0.23	0.12	e0.013	e0.009	e0.011	0.090	0.089	0.016	0.011	0.14	0.031
24	0.14	e0.19	0.48	e0.012	e0.009	e0.011	0.084	0.12	0.015	0.058	0.083	0.027
25	0.12	e0.15	1.62	e0.012	e0.009	0.016	0.076	0.28	0.017	e0.045	0.056	0.027
26	0.10	0.13	0.63	e0.011	e0.009	0.042	0.086	0.20	0.024	0.024	0.039	0.026
27	0.80	0.12	0.29	e0.011	e0.008	0.35	0.11	0.16	0.025	0.019	0.035	0.021
28	1.49	0.11	0.20	e0.010	e0.008	0.29	0.094	0.14	0.017	0.38	0.033	0.022
29	1.14	0.74	0.17	e0.010	e0.008	0.17	0.081	0.14	0.016	0.20	0.041	0.022
30	0.95	0.32	0.17	e0.010	---	0.15	0.077	0.11	0.015	0.10	0.043	0.019
31	0.36	---	0.15	e0.009	---	0.12	---	0.087	---	0.063	0.14	---
TOTAL	8.666	8.748	9.155	1.308	0.361	1.463	5.976	3.696	1.078	1.378	2.461	1.424
MEAN	0.28	0.29	0.30	0.04	0.01	0.05	0.20	0.12	0.04	0.04	0.08	0.05
MAX	1.49	1.42	1.62	0.17	0.028	0.35	0.88	0.40	0.11	0.38	0.37	0.11
MIN	0.017	0.098	0.064	0.009	0.008	0.009	0.076	0.056	0.015	0.011	0.018	0.019
CFSM	6.99	7.29	7.38	1.05	0.31	1.18	4.98	2.98	0.90	1.11	1.98	1.19
IN.	8.06	8.14	8.51	1.22	0.34	1.36	5.56	3.44	1.00	1.28	2.29	1.32

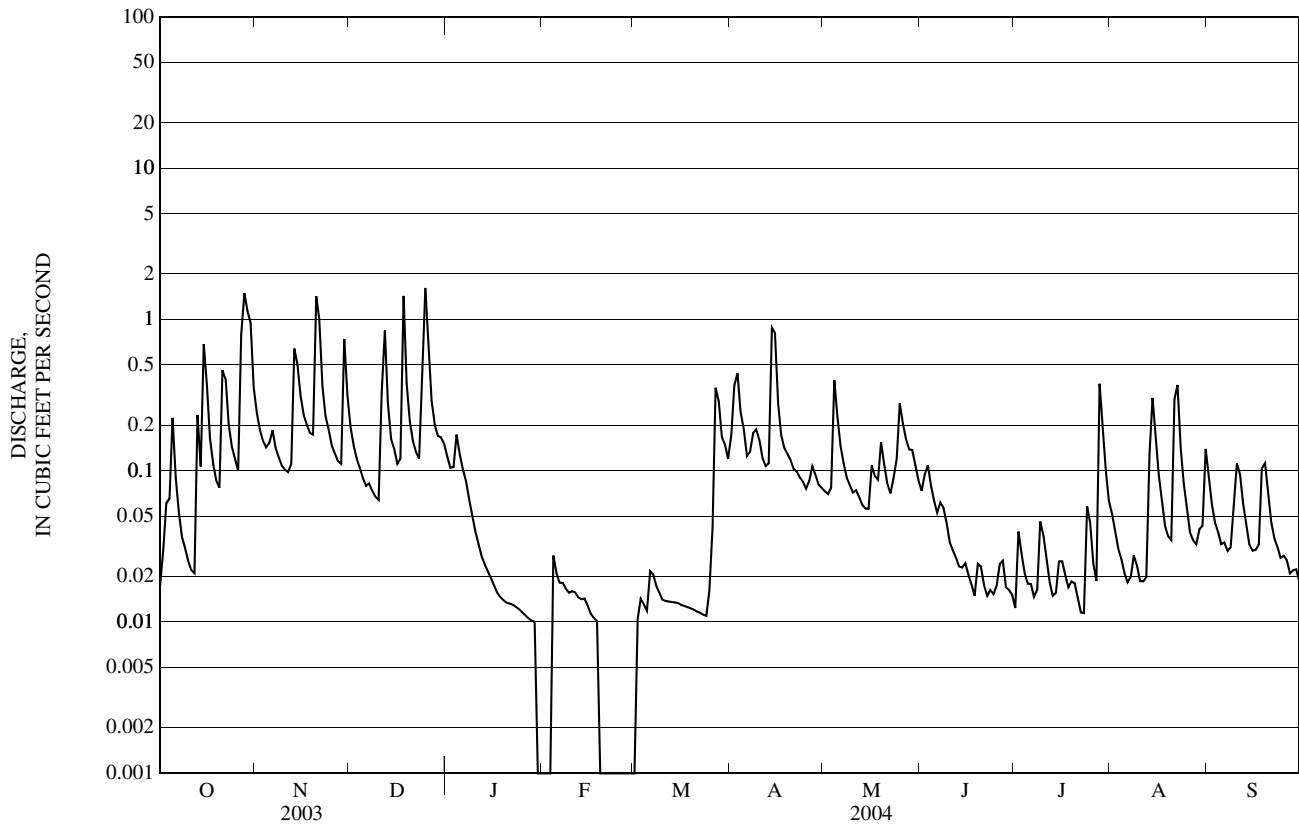
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

	MEAN	0.08	0.16	0.14	0.11	0.08	0.19	0.25	0.15	0.06	0.03	0.01	0.02
MAX	0.28	0.32	0.38	0.32	0.23	0.51	0.47	0.51	0.14	0.22	0.08	0.08	0.08
(WY)	(2004)	(1996)	(1994)	(1996)	(1998)	(1998)	(1993)	(1989)	(1998)	(1996)	(2004)	(1999)	(1999)
MIN	0.00	0.00	0.03	0.02	0.01	0.02	0.11	0.05	0.02	0.00	0.00	0.00	0.00
(WY)	(2002)	(2002)	(1990)	(1989)	(2004)	(2001)	(1999)	(2001)	(1988)	(1991)	(2001)	(2000)	(2000)

e Estimated

01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	50.490		45.680		0.11	
ANNUAL MEAN	0.14		0.12		0.15	
HIGHEST ANNUAL MEAN					0.06	
LOWEST ANNUAL MEAN					0.000	
HIGHEST DAILY MEAN	2.04	Mar 30	1.62	Dec 25	4.20	Mar 27, 1988
LOWEST DAILY MEAN	0.000	Jul 20	0.010	Jan 18	0.000	Jul 16, 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 16	0.01	Jan 18	0.00	Aug 2, 1990
MAXIMUM PEAK FLOW			4.27		16	
MAXIMUM PEAK STAGE			5.99		6.75	
INSTANTANEOUS LOW FLOW					0.00	
ANNUAL RUNOFF (CFSM)	3.46		3.12		2.70	
ANNUAL RUNOFF (INCHES)	46.96		42.48		36.75	
10 PERCENT EXCEEDS	0.32		0.28		0.23	
50 PERCENT EXCEEDS	0.060		0.060		0.047	
90 PERCENT EXCEEDS	0.003		0.012		0.005	



01022330 NARRAGUAGUS RIVER AT DEBLOIS, ME

LOCATION.--Lat 44°44'27", long 68°00'48" (corrected), Washington County, Hydrologic Unit 01050002, on left bank 30 ft upstream from State Route 193 highway bridge at Deblois.

DRAINAGE AREA.--96.5 mi².

PERIOD OF RECORD.--

DISCHARGE: September 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 18.34 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 10, 14, 21, Jan. 7 to Mar. 26, and period of doubtful stage-discharge relation, Oct. 1-23, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,880 ft³/s, Mar. 31, 2003, gage height, 5.31 ft; minimum discharge, 14 ft³/s, Sept. 10-11, 2002, gage height, 1.37 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	1930	1,290	4.77	Dec 26	1715	1,130	4.59
Nov 22	0530	*1,320	4.81	Jan 11	0545	Ice Jam	*4.89
Dec 19	1845	1,040	4.47				

Minimum discharge, 42 ft³/s, Aug. 7, gage height, 1.82 ft, but may have been less during period of ice effect.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e98	811	589	393	e86	e49	245	185	174	61	97	112
2	e89	595	489	350	e82	e50	278	173	164	86	81	128
3	e80	471	402	325	e77	e62	462	171	169	109	68	118
4	e81	400	342	341	e100	e77	535	222	165	111	60	104
5	e131	356	292	356	e99	e83	485	307	150	101	53	87
6	e149	341	260	332	e92	e109	423	315	135	92	47	76
7	e125	325	265	e295	e92	e120	363	276	131	81	44	69
8	e106	299	252	e248	e88	e111	324	228	129	72	44	64
9	e91	267	247	e225	e84	e98	308	196	124	75	58	69
10	e79	241	e224	e206	e80	e88	295	173	113	87	69	100
11	e70	223	241	e190	e78	e83	273	164	100	92	66	122
12	e64	219	462	e179	e73	e81	247	154	90	85	59	122
13	e76	284	663	e175	e74	e80	229	143	81	73	84	110
14	e108	448	e557	e165	e71	e75	287	135	76	65	156	102
15	e149	495	473	e157	e66	e80	597	129	74	64	180	87
16	e311	420	396	e147	e63	e79	734	157	72	61	162	73
17	e309	348	360	e140	e60	e75	592	203	66	61	135	64
18	e265	297	594	e134	e58	e74	459	224	62	64	109	78
19	e219	264	979	e131	e56	e70	385	239	66	58	90	97
20	e176	330	901	e128	e55	e65	341	233	80	55	78	103
21	e182	936	e675	e124	e53	e70	310	211	75	52	96	100
22	e278	1,230	527	e118	e64	e74	283	183	71	48	222	91
23	e359	924	424	e114	e63	e70	261	173	71	47	304	81
24	347	672	354	e110	e61	e65	238	184	67	50	268	69
25	297	534	587	e106	e59	e63	213	241	66	59	201	62
26	252	450	1,060	e102	e56	e82	204	306	74	61	152	58
27	278	394	1,010	e99	e53	171	215	318	82	58	120	53
28	581	355	756	e97	e51	330	223	289	75	69	99	51
29	920	446	588	e95	e49	347	215	257	71	124	86	49
30	1,200	610	492	e92	---	302	199	226	68	136	81	46
31	1,130	---	436	e89	---	267	---	199	---	119	89	---
TOTAL	8,600	13,985	15,897	5,763	2,043	3,450	10,223	6,614	2,941	2,376	3,458	2,545
MEAN	277	466	513	186	70.4	111	341	213	98.0	76.6	112	84.8
MAX	1,200	1,230	1,060	393	100	347	734	318	174	136	304	128
MIN	64	219	224	89	49	49	199	129	62	47	44	46
CFSM	2.87	4.83	5.31	1.93	0.73	1.15	3.53	2.21	1.02	0.79	1.16	0.88
IN.	3.32	5.39	6.13	2.22	0.79	1.33	3.94	2.55	1.13	0.92	1.33	0.98

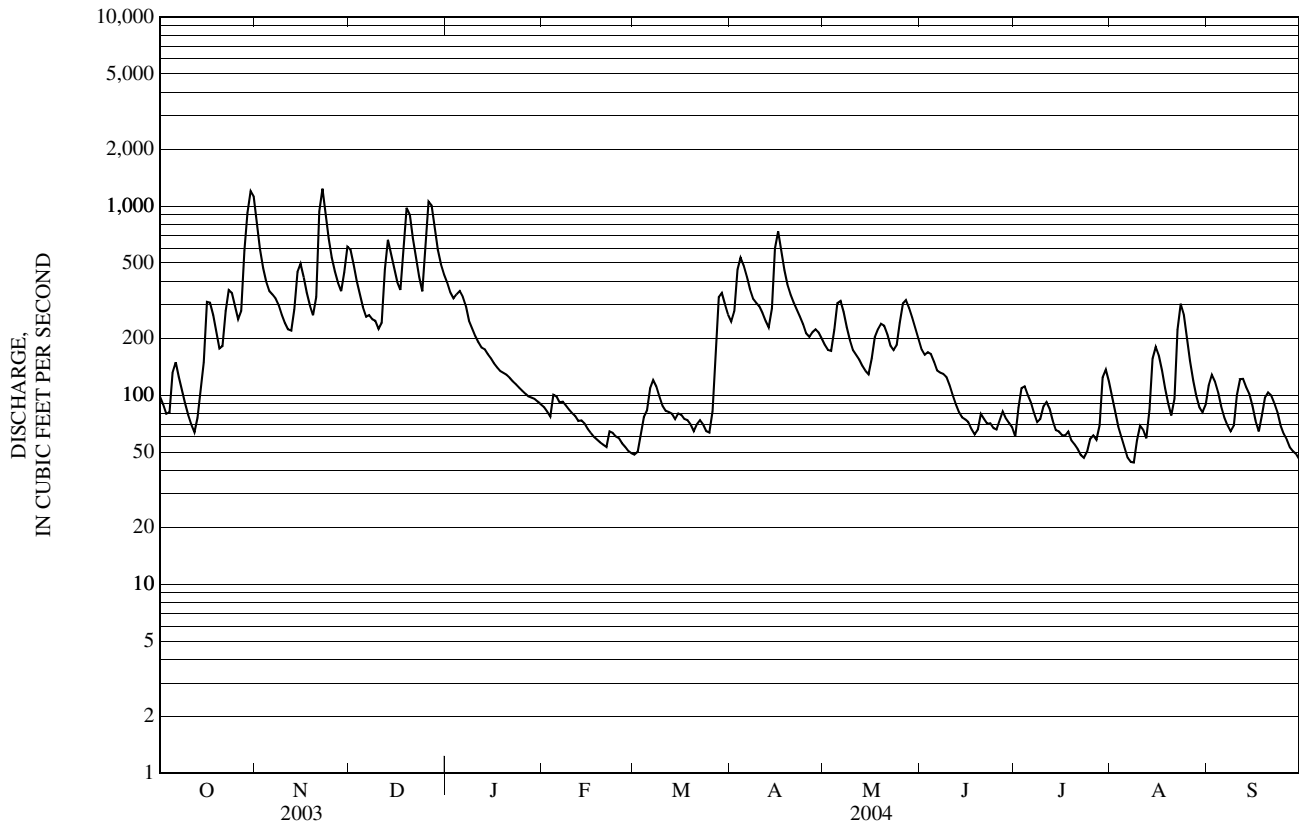
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	156	314	428	154	92.9	214	435	239	151	59.4	73.8	45.6
MAX	277	466	513	186	116	317	529	265	204	76.6	112	84.8
(WY)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2004)
MIN	35.1	162	343	123	70.4	111	341	213	98.0	42.1	36.1	21.9
(WY)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2002)

e Estimated

01022330 NARRAGUAGUS RIVER AT DEBLOIS, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	88,903		77,895		198	
ANNUAL MEAN	244		213		213	2004
HIGHEST ANNUAL MEAN					184	2003
LOWEST ANNUAL MEAN					1,720	Mar 31, 2003
HIGHEST DAILY MEAN	1,720	Mar 31	1,230	Nov 22	15	Sep 8, 2002
LOWEST DAILY MEAN	20	Sep 2	44	Aug 7	16	Sep 7, 2002
ANNUAL SEVEN-DAY MINIMUM	20	Sep 13	52	Feb 25	1,880	Mar 31, 2003
MAXIMUM PEAK FLOW			1,320	Nov 22	5.31	Mar 31, 2003
MAXIMUM PEAK STAGE			4.89	Jan 11	14	Sep 9, 2002
INSTANTANEOUS LOW FLOW			42	Aug 7	2.05	
ANNUAL RUNOFF (CFSM)	2.52		2.21		27.91	
ANNUAL RUNOFF (INCHES)	34.27		30.03		458	
10 PERCENT EXCEEDS	544		462		113	
50 PERCENT EXCEEDS	157		128		38	
90 PERCENT EXCEEDS	31		61			



01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME

LOCATION.--Lat 44°36'29", long 67°56'07" (corrected), Washington County, 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.

PERIOD OF RECORD.--

DISCHARGE: February 1948 to current year.

CHEMICAL ANALYSES: Water years 1954, 1978 to 1986.

SPECIFIC CONDUCTANCE: January 1978 to September 1981.

WATER TEMPERATURE: January 1978 to September 1981.

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. 7 to Mar. 26, 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 maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	1215	*3,120	*12.72	Dec 18	2100	2,250	11.85
Nov 22	0000	2,530	12.15	Dec 26	1845	2,200	11.80

Minimum discharge, 72 ft³/s, Aug. 7, gage height, 7.52 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	166	1,960	1,300	798	e151	e112	573	432	389	174	168	229
2	147	1,380	1,060	676	e147	e116	686	406	361	187	141	238
3	143	1,020	833	673	e143	e147	1,180	397	422	328	119	218
4	147	845	687	739	e191	e192	1,180	526	416	349	102	192
5	243	733	566	740	e230	e177	1,100	682	369	290	90	166
6	281	712	489	673	e206	e218	1,070	665	319	238	82	143
7	230	670	462	e524	e198	e313	913	585	296	206	76	128
8	192	606	505	e413	e189	e267	788	491	301	173	84	119
9	155	527	490	e365	e170	e234	710	417	277	171	89	137
10	129	469	450	e331	e167	e206	658	371	242	183	97	286
11	109	432	490	e304	e160	e188	597	360	206	186	99	313
12	95	434	1,380	e283	e146	e181	540	349	177	171	93	275
13	120	809	1,520	e281	e139	e199	508	321	157	147	208	234
14	183	1,430	1,260	e263	e136	e195	670	297	143	128	867	193
15	263	1,260	1,040	e248	e129	e205	1,370	278	138	137	810	172
16	648	998	902	e235	e122	e220	1,570	341	134	147	567	146
17	654	778	794	e226	e118	e197	1,300	436	123	136	419	128
18	539	642	1,730	e216	e114	e179	1,010	450	111	131	320	191
19	423	556	2,190	e222	e112	e167	835	620	108	129	241	387
20	338	737	2,000	e221	e111	e157	750	585	166	123	198	351
21	347	2,270	1,550	e213	e110	e169	670	495	173	113	290	288
22	591	2,480	1,220	e206	e122	e188	611	422	147	101	1,270	238
23	693	2,080	968	e199	e132	e187	575	397	144	91	1,010	201
24	667	1,500	819	e193	e129	e168	529	444	139	94	751	166
25	561	1,140	1,480	e187	e125	e181	478	739	129	105	526	143
26	471	933	2,120	e181	e122	e326	452	875	164	108	385	129
27	663	798	2,090	e176	e120	695	521	795	465	101	302	116
28	1,570	709	1,670	e168	e116	1,090	556	682	337	113	242	107
29	2,050	1,090	1,270	e162	e114	915	507	612	242	162	202	101
30	3,000	1,410	1,020	e161	---	726	466	522	212	211	178	96
31	2,620	---	897	e156	---	615	---	447	---	201	183	---
TOTAL	18,438	31,408	35,252	10,433	4,169	9,130	23,373	15,439	7,007	5,134	10,209	5,831
MEAN	595	1,047	1,137	337	144	295	779	498	234	166	329	194
MAX	3,000	2,480	2,190	798	230	1,090	1,570	875	465	349	1,270	387
MIN	95	432	450	156	110	112	452	278	108	91	76	96
CFSM	2.62	4.61	5.01	1.48	0.63	1.30	3.43	2.19	1.03	0.73	1.45	0.86
IN.	3.02	5.15	5.78	1.71	0.68	1.50	3.83	2.53	1.15	0.84	1.67	0.96

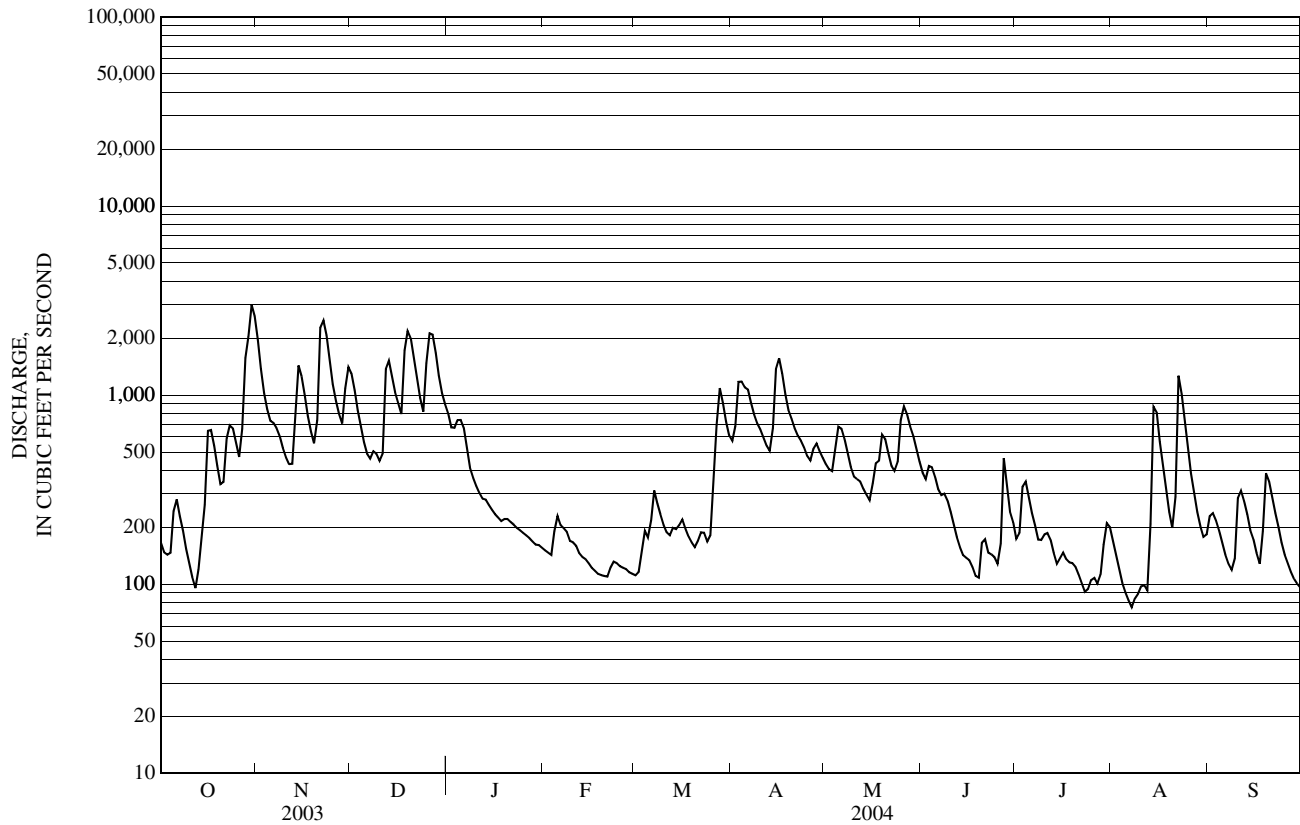
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2004, BY WATER YEAR (WY)

MEAN	264	570	642	500	467	730	1,195	667	336	188	131	160
MAX	1,074	1,317	1,533	1,118	1,125	1,738	1,945	1,962	877	859	526	947
(WY)	(1978)	(1960)	(1970)	(1958)	(1976)	(1998)	(1982)	(1989)	(1984)	(1996)	(1986)	(1954)
MIN	34.3	55.3	87.7	112	121	153	473	299	119	47.2	28.8	32.3
(WY)	(1958)	(2002)	(1956)	(2002)	(1980)	(1967)	(1985)	(1999)	(1964)	(1965)	(1965)	(1968)

e Estimated

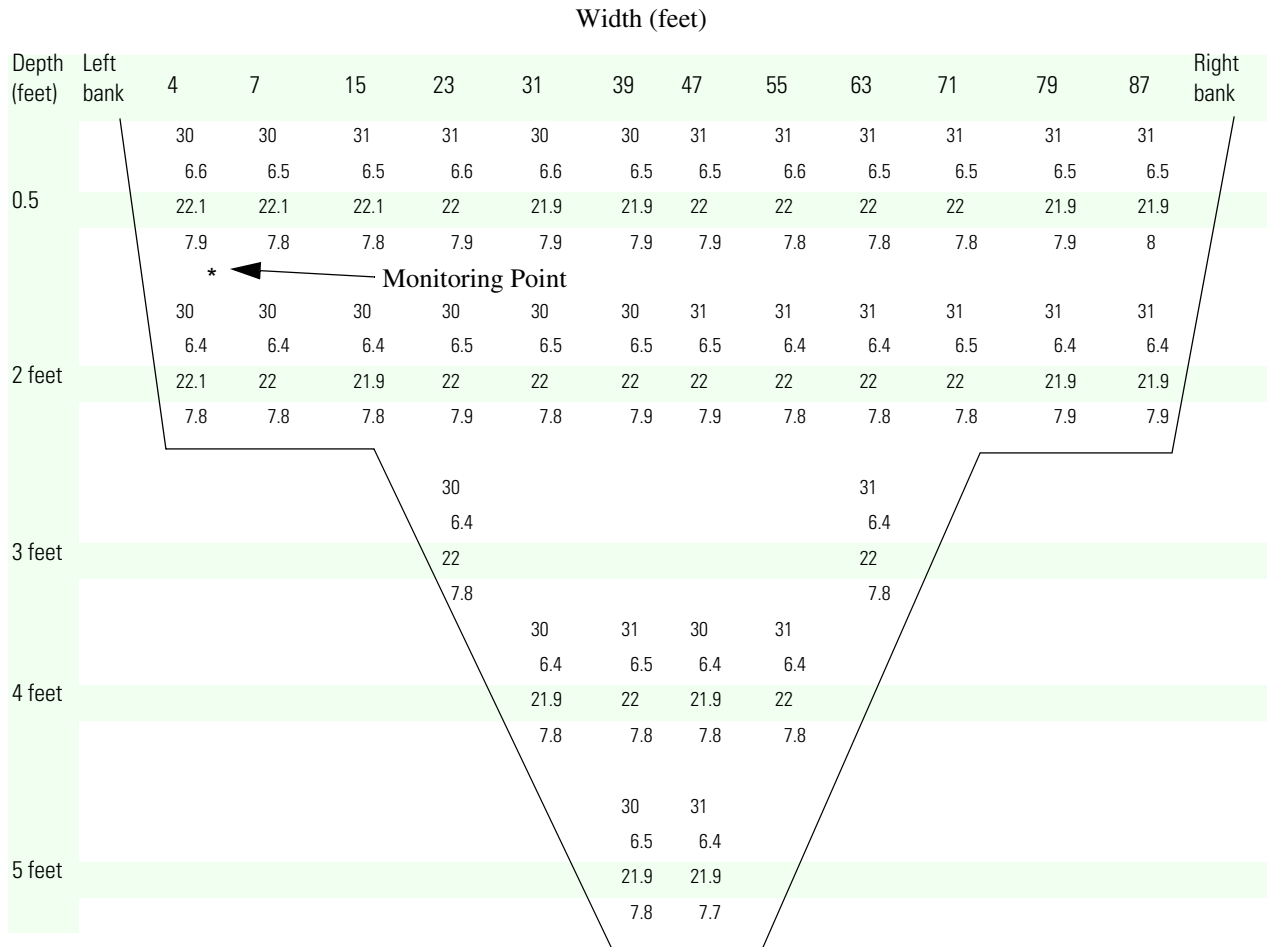
01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1948 - 2004	
ANNUAL TOTAL	200,246		175,823		487	
ANNUAL MEAN	549		480		761	
HIGHEST ANNUAL MEAN					256	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	3,430	Mar 31	3,000	Oct 30	9,490	May 28, 1961
LOWEST DAILY MEAN	34	Sep 19	76	Aug 7	7.1	Sep 5, 1978
ANNUAL SEVEN-DAY MINIMUM	35	Sep 13	88	Aug 5	20	Sep 15, 2001
MAXIMUM PEAK FLOW			3,120	Oct 30	10,400	May 28, 1961
MAXIMUM PEAK STAGE			12.72	Oct 30	17.40	May 28, 1961
INSTANTANEOUS LOW FLOW			72	Aug 7	3.0	Sep 2, 1978
ANNUAL RUNOFF (CFSM)	2.42		2.12		2.15	
ANNUAL RUNOFF (INCHES)	32.82		28.81		29.16	
10 PERCENT EXCEEDS	1,330		1,090		1,140	
50 PERCENT EXCEEDS	349		289		297	
90 PERCENT EXCEEDS	54		120		71	



01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME--Continued

Cross section was performed on July 12, 2004, from 9:50am to 10:15am
 with field parameters displayed in the following order:
 SPECIFIC CONDUCTANCE (microsiemens/cm)
 pH (standard units)
 WATER TEMPERATURE: (degrees Celsius)
 DISSOLVED OXYGEN: (mg/L)



	Cross Section Values			Recorded Hourly Values			Recorded Daily Values		
	Max	Min	Mean	9:45	10:00	10:15	Max	Min	Mean
Sp Cond	31	30	31						
pH	6.6	6.4	6.4						
WT	22.1	21.9	22.0	22.0	22.0	22.0	23.2	21.3	22.1
DO	8.0	7.7	7.9						

01022835 CADILLAC BROOK NEAR BAR HARBOR, ME

LOCATION.--Lat 44°20'39", long 68°13'01" (corrected), Hancock County, Hydrologic Unit 01050002, on right bank 500 ft upstream from confluence with Otter Creek, and 0.5 mi southeast of Cadillac Mountain.

DRAINAGE AREA.--0.123 mi². Furnished by University of Maine

PERIOD OF RECORD.--

DISCHARGE: May 1999 to current year.

REVISED RECORDS.--WDR ME-01-1: Gage datum.

GAGE.--Water-stage recorder. Elevation of gage is 405 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor, including periods of ice effect, Jan. 17, Feb. 4-5, 12-13, 15-17, period of doubtful stage-discharge relation, Oct. 21, and periods of no gage-height record, Dec. 4-12, Jan. 8-12, and 25-31. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47 ft³/s, Oct. 27, 2003, from rating curve extended above 8.6 ft³/s, gage height, 2.03 ft; no flow for many days in 1999-2004.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 15	1300	14	1.76	Dec 18	0410	27 ^a	1.90
Oct 27	0825	*47 ^a	*2.03	Dec 24	2310	12	1.74
Oct 28	0035	16	1.79	Mar 27	0845	13	1.75
Oct 29	2010	14	1.76	Apr 2	1645	13	1.75
Nov 13	1045	27 ^a	1.89	Aug 13	1245	13	1.75
Nov 20	1430	17	1.79	Aug 14	0545	30 ^a	1.92

No flow Jan. 24, Feb. 5-12, 14-15, and Feb. 18 to Mar. 3.

^a From rating curve extended above 8.6 ft³/s

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.11	0.20	0.21	0.08	0.002	0.000	0.31	0.10	0.07	0.006	0.04	0.01
2	0.09	0.12	0.11	0.06	0.001	0.000	2.9	0.08	0.10	0.006	0.02	0.009
3	0.11	0.10	0.07	0.32	0.001	0.11	1.1	0.13	0.24	0.006	0.02	0.008
4	0.31	0.11	e0.05	0.73	e0.01	0.11	0.49	1.5	0.16	0.005	0.01	0.008
5	1.1	0.16	e0.03	0.27	e0.004	0.08	0.58	0.41	0.08	0.004	0.010	0.006
6	0.22	0.41	e0.02	0.11	0.001	1.3	0.36	0.18	0.06	0.006	0.008	0.007
7	0.11	0.19	e0.01	0.07	0.000	0.42	0.57	0.11	0.05	0.005	0.006	0.006
8	0.07	0.11	e0.007	e0.06	0.000	0.06	0.53	0.08	0.05	0.005	0.005	0.006
9	0.05	0.07	e0.003	e0.05	0.001	0.01	0.44	0.06	0.04	0.03	0.004	0.25
10	0.04	0.06	e0.003	e0.03	0.001	0.006	0.32	0.05	0.03	0.06	0.003	0.77
11	0.04	0.05	e1.1	e0.02	0.000	0.004	0.20	0.05	0.02	0.03	0.003	0.23
12	0.05	0.07	e2.2	e0.24	e0.000	0.005	0.15	0.05	0.01	0.01	0.003	0.08
13	1.9	3.9	0.35	0.02	e0.000	0.01	0.28	0.04	0.01	0.008	2.5	0.04
14	0.32	0.59	0.10	0.01	0.001	0.007	2.6	0.03	0.01	0.01	4.7	0.02
15	2.7	0.20	0.52	0.01	e0.001	0.06	1.9	0.02	0.009	1.1	0.43	0.02
16	0.60	0.11	0.42	0.007	e0.001	0.04	0.47	0.03	0.007	0.33	0.20	0.01
17	0.20	0.08	0.82	e0.007	e0.001	0.01	0.25	0.04	0.005	0.13	0.11	0.01
18	0.13	0.07	6.2	0.007	0.001	0.005	0.18	0.11	0.004	0.06	0.07	2.1
19	0.12	0.06	0.51	0.006	0.000	0.004	0.17	0.33	0.005	0.12	0.05	0.69
20	0.09	4.6	0.21	0.004	0.000	0.007	0.17	0.14	0.005	0.14	0.04	0.19
21	e0.51	2.6	0.10	0.002	0.000	0.009	0.12	0.08	0.003	0.07	0.88	0.08
22	0.52	0.43	0.08	0.002	0.000	0.01	0.09	0.06	0.003	0.05	0.86	0.05
23	0.43	0.20	0.08	0.001	0.000	0.007	0.10	0.10	0.002	0.03	0.20	0.04
24	0.42	0.13	2.1	0.001	0.000	0.02	0.08	0.84	0.002	0.09	0.12	0.03
25	0.28	0.25	3.1	e0.001	0.000	0.11	0.07	1.5	0.002	0.13	0.07	0.02
26	0.30	0.19	0.86	e0.001	0.000	1.6	0.11	0.51	0.007	0.06	0.04	0.02
27	6.6	0.12	0.32	e0.001	0.000	4.1	0.75	0.35	0.08	0.03	0.03	0.02
28	3.5	0.10	0.17	e0.001	0.000	0.75	0.36	0.26	0.03	0.19	0.02	0.02
29	5.0	2.1	0.14	e0.001	0.000	0.29	0.18	0.31	0.01	0.18	0.02	0.02
30	1.4	0.40	0.13	e0.001	---	0.19	0.12	0.15	0.009	0.07	0.01	0.01
31	0.35	---	0.12	e0.001	---	0.16	---	0.09	---	0.05	0.02	---
TOTAL	27.67	17.78	20.143	2.124	0.026	9.494	15.95	7.79	1.113	3.021	10.502	4.780
MEAN	0.89	0.59	0.65	0.07	0.00	0.31	0.53	0.25	0.04	0.10	0.34	0.16
MAX	6.6	4.6	6.2	0.73	0.01	4.1	2.9	1.5	0.24	1.1	4.7	2.1
MIN	0.04	0.05	0.003	0.001	0.000	0.000	0.07	0.02	0.002	0.004	0.003	0.006

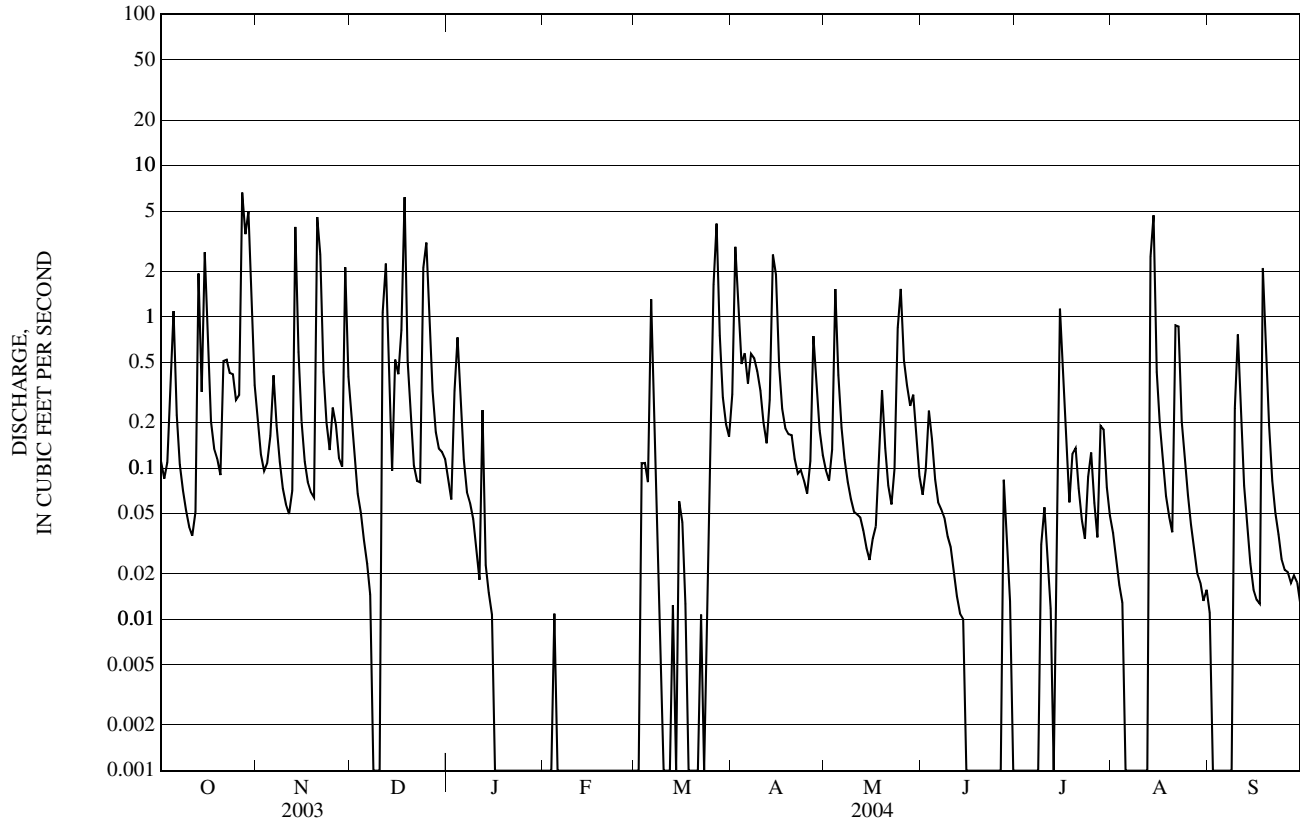
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	0.42	0.48	0.48	0.12	0.30	0.60	0.62	0.26	0.13	0.04	0.06	0.17
MAX	0.89	0.66	0.65	0.21	0.56	1.14	0.95	0.40	0.33	0.11	0.34	0.56
(WY)	(2004)	(2003)	(2004)	(2002)	(2002)	(2003)	(2001)	(2002)	(2003)	(2000)	(2004)	(1999)
MIN	0.06	0.21	0.33	0.05	0.00	0.31	0.46	0.07	0.02	0.00	0.00	0.01
(WY)	(2002)	(2002)	(2002)	(2003)	(2004)	(2004)	(2003)	(2001)	(1999)	(1999)	(2001)	(2001)

e Estimated

01022835 CADILLAC BROOK NEAR BAR HARBOR, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	145.420		120.400		0.30	
ANNUAL MEAN	0.40		0.33		0.34	
HIGHEST ANNUAL MEAN					0.27	
LOWEST ANNUAL MEAN					0.27	
HIGHEST DAILY MEAN	6.6	Oct 27	6.6	Oct 27	7.9	Sep 22, 1999
LOWEST DAILY MEAN	0.000	Feb 1	0.000	Dec 9	0.000	Jul 1, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 6	0.00	Jan 20	0.00	Jul 3, 1999
MAXIMUM PEAK FLOW			47		47	
MAXIMUM PEAK STAGE			2.03		2.03	
INSTANTANEOUS LOW FLOW			0.00		0.00	
10 PERCENT EXCEEDS	1.1		0.75		0.75	
50 PERCENT EXCEEDS	0.09		0.07		0.08	
90 PERCENT EXCEEDS	0.00		0.00		0.00	



01022860 HADLOCK BROOK NEAR CEDAR SWAMP MOUNTAIN NEAR NORTHEAST HARBOR, ME

LOCATION.--Lat 44°19'50", long 68°16'58" (corrected), Hancock County, Hydrologic Unit 01050002, on right bank 300 ft upstream from carriage road in Acadia National Park, and 0.3 mi northwest of Cedar Swamp Mountain.

DRAINAGE AREA.--0.182 mi². Furnished by the University of Maine.

PERIOD OF RECORD.--

DISCHARGE: April 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 570 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records poor, including periods of ice effect, Jan. 26 to Mar. 27, Apr. 2, and period of no gage-height record, Jan. 7-16. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 168 ft³/s, Aug. 14, 2004, from rating curve extended above 9.8 ft³/s, gage height, 5.04 ft; no flow for many days in 1999, 2001-2002, 2004.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 15	1300	20 ^a	4.41	Dec 18	0420	63 ^a	4.72
Oct 27	0905	54 ^a	4.67	Dec 24	2215	19 ^a	4.40
Oct 28	0035	37 ^a	4.57	Apr 14	1905	19 ^a	4.37
Nov 13	1035	59 ^a	4.70	Aug 14	0545	*168 ^a	*5.04
Nov 20	1805	30 ^a	4.51				

Minimum discharge, 0.000 ft³/s, Jan. 26, gage height, 3.60 ft, result of freezup.

^a From rating curve extended above 9.8 ft³/s

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.18	0.43	0.45	0.24	e0.01	e0.001	0.80	0.40	0.26	0.05	0.16	0.13
2	0.15	0.31	0.31	0.20	e0.01	e0.002	e13	0.38	0.31	0.06	0.13	0.07
3	0.14	0.25	0.23	0.63	e0.01	e0.03	1.9	0.61	0.45	0.06	0.08	0.06
4	0.80	0.24	0.19	0.93	e0.04	e0.10	0.98	3.9	0.37	0.06	0.06	0.05
5	1.7	0.35	0.17	0.48	e0.02	e0.09	0.94	1.1	0.25	0.05	0.04	0.05
6	0.43	0.60	0.15	0.30	e0.006	e0.38	0.55	0.57	0.21	0.09	0.04	0.05
7	0.24	0.36	0.12	e0.24	e0.005	e0.34	0.67	0.43	0.20	0.06	0.04	0.04
8	0.16	0.26	0.11	e0.20	e0.005	e0.13	0.84	0.32	0.17	0.05	0.04	0.04
9	0.13	0.20	0.11	e0.16	e0.005	e0.05	0.88	0.27	0.13	0.10	0.04	0.26
10	0.11	0.17	0.10	e0.13	e0.005	e0.03	0.66	0.23	0.09	0.09	0.03	0.70
11	0.09	0.16	1.9	e0.12	e0.004	e0.03	0.47	0.23	0.06	0.06	0.03	0.38
12	0.08	0.16	3.7	e0.53	e0.004	e0.03	0.41	0.19	0.05	0.04	0.03	0.22
13	1.9	7.8	0.75	e0.23	e0.003	e0.04	0.59	0.16	0.05	0.04	3.2	0.16
14	0.50	1.2	0.51	e0.14	e0.003	e0.03	4.9	0.13	0.05	0.12	15	0.10
15	3.7	0.48	2.3	e0.11	e0.002	e0.05	3.6	0.13	0.04	1.1	1.1	0.08
16	1.1	0.32	1.0	e0.08	e0.002	e0.04	1.0	0.18	0.04	0.50	0.55	0.07
17	0.46	0.24	1.0	0.07	e0.002	e0.03	0.60	0.16	0.03	0.32	0.39	0.07
18	0.32	0.21	12	0.04	e0.002	e0.02	0.53	0.37	0.03	0.19	0.27	4.2
19	0.23	0.18	1.0	0.03	e0.002	e0.02	0.52	0.66	0.05	0.20	0.22	1.5
20	0.19	8.9	0.49	0.02	e0.001	e0.02	0.54	0.36	0.05	0.18	0.20	0.56
21	0.50	4.9	0.34	0.02	e0.001	e0.02	0.41	0.26	0.03	0.14	1.7	0.35
22	0.62	0.90	0.26	0.02	e0.001	e0.04	0.40	0.23	0.03	0.10	1.8	0.24
23	0.59	0.48	0.22	0.02	e0.001	e0.04	0.40	0.32	0.03	0.08	0.55	0.19
24	0.68	0.36	2.8	0.02	e0.001	e0.03	0.34	1.2	0.03	0.27	0.41	0.15
25	0.47	0.40	5.3	0.02	e0.001	e0.05	0.29	2.0	0.03	0.26	0.27	0.12
26	0.40	0.33	1.7	e0.02	e0.001	e1.3	0.43	0.89	0.28	0.15	0.20	0.11
27	8.8	0.25	0.65	e0.02	e0.001	e4.6	1.7	0.62	0.50	0.10	0.18	0.08
28	6.3	0.23	0.42	e0.02	e0.001	1.6	0.91	0.53	0.19	0.30	0.15	0.08
29	5.7	3.6	0.33	e0.02	e0.001	0.63	0.54	0.61	0.13	0.27	0.12	0.07
30	2.4	0.78	0.34	e0.01	---	0.44	0.45	0.41	0.09	0.17	0.11	0.06
31	0.68	---	0.32	e0.01	---	0.39	---	0.30	---	0.15	0.15	---
TOTAL	39.75	35.05	39.27	5.08	0.150	10.603	40.25	18.15	4.23	5.41	27.29	10.24
MEAN	1.28	1.17	1.27	0.16	0.01	0.34	1.34	0.59	0.14	0.17	0.88	0.34
MAX	8.8	8.9	12	0.93	0.04	4.6	13	3.9	0.50	1.1	15	4.2
MIN	0.08	0.16	0.10	0.01	0.001	0.001	0.29	0.13	0.03	0.04	0.03	0.04

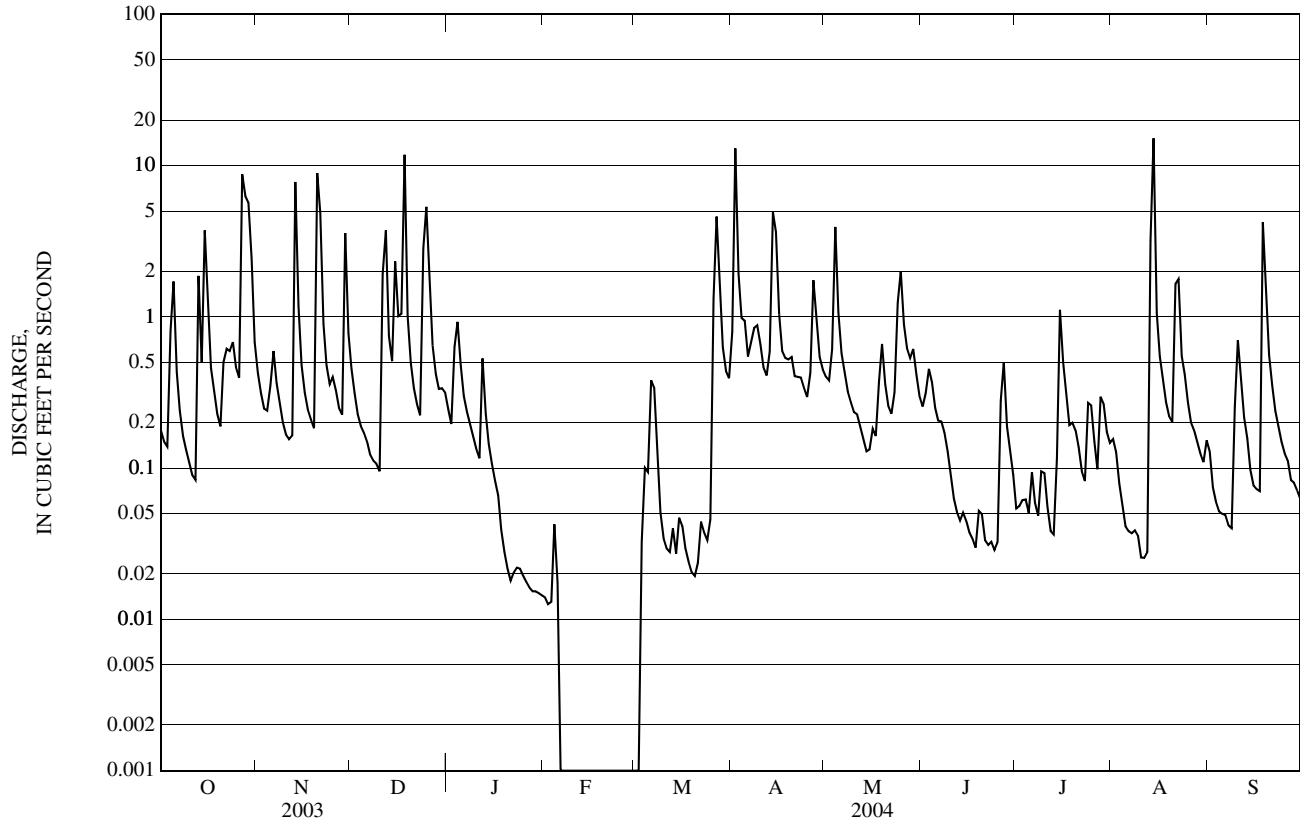
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

	MEAN	0.56	0.77	0.83	0.23	0.50	1.02	1.13	0.41	0.22	0.09	0.17	0.25
	MAX	1.28	1.17	1.27	0.47	0.86	2.08	1.50	0.59	0.45	0.17	0.88	0.76
(WY)	(2004)	(2004)	(2004)	(2000)	(2000)	(2003)	(2001)	(2004)	(2001)	(2004)	(2004)	(1999)	(1999)
MIN	0.08	0.20	0.49	0.07	0.00	0.34	0.77	0.19	0.04	0.01	0.00	0.02	0.02
(WY)	(2002)	(2002)	(2002)	(2001)	(2004)	(2004)	(2003)	(2001)	(1999)	(1999)	(1999)	(2001)	(2001)

e Estimated

01022860 HADLOCK BROOK NEAR CEDAR SWAMP MOUNTAIN NEAR NORTHEAST HARBOR, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	251.550		235.420		0.51	
ANNUAL MEAN	0.69		0.64		0.64	
HIGHEST ANNUAL MEAN					0.40	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	12	Dec 18	15	Aug 14	17	Mar 27, 2002
LOWEST DAILY MEAN	0.01	Jul 7	0.000	Feb 7	0.000	Jul 17, 1999
ANNUAL SEVEN-DAY MINIMUM	0.01	Aug 28	0.00	Feb 7	0.00	Jul 28, 1999
MAXIMUM PEAK FLOW			168	Aug 14	168	Aug 14, 2004
MAXIMUM PEAK STAGE			5.04	Aug 14	5.04	Aug 14, 2004
INSTANTANEOUS LOW FLOW			0.00	Jan 26	0.00	Jul 28, 1999
10 PERCENT EXCEEDS	1.7		1.1		1.2	
50 PERCENT EXCEEDS	0.20		0.20		0.15	
90 PERCENT EXCEEDS	0.02		0.02		0.01	



01027200 NORTH BRANCH PENOBSCOT RIVER NEAR PITTSTON FARM, ME

LOCATION.--Lat 45°56'07", long 69°59'37" (corrected), Somerset County, Hydrologic Unit 01020001, on left bank, and 500 ft upstream of Leadbetter Falls.

DRAINAGE AREA.--232 mi².

PERIOD OF RECORD.--

DISCHARGE: September 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,086.20 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 10-12, 16-19, and Dec. 2 to Apr. 14, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,740 ft³/s, estimated, Apr. 18, 2002, gage height, 8.78 ft, estimated; maximum gage height, 10.47 ft, from floodmarks, sometime during period Apr. 11-18, 2002 (backwater from ice); minimum discharge, 5.6 ft³/s, Sept. 10-11, 2002, gage height, 3.29 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 3	0345	Ice Jam	*10.02	Apr 20	0800	*4,720	7.99

Minimum discharge, 27 ft³/s, Oct. 3, gage height, 3.71 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	1,150	790	e471	e63	e33	e1,190	535	354	144	262	291
2	30	808	e523	e407	e61	e32	e1,350	505	539	144	276	231
3	28	610	e403	e354	e59	e34	e3,230	471	857	158	199	185
4	31	490	e344	e318	e58	e44	e2,940	968	692	131	213	268
5	159	438	e297	e286	e56	e66	e1,790	1,460	522	103	184	489
6	195	562	e261	e259	e55	e107	e1,210	1,100	394	90	147	426
7	146	604	e235	e236	e55	e169	e979	804	329	80	125	300
8	115	530	e213	e216	e57	e236	e840	593	302	71	131	220
9	93	382	e196	e199	e60	e275	e834	462	257	88	155	214
10	77	e337	e186	e183	e57	e237	e846	380	210	121	145	781
11	65	e309	e184	e170	e53	e186	e696	342	171	120	147	815
12	57	e304	e347	e158	e49	e159	e593	312	138	100	175	576
13	51	710	e445	e147	e49	e142	e586	279	118	83	2,120	414
14	45	1,280	e397	e136	e47	e129	e1,410	303	104	70	3,060	307
15	55	933	e343	e127	e45	e118	2,040	279	103	66	2,120	246
16	308	e687	e303	e120	e43	e107	1,870	247	124	211	1,220	205
17	275	e547	e287	e113	e42	e99	1,680	213	106	1,020	768	176
18	216	e457	e896	e107	e41	e92	1,920	210	89	659	513	151
19	177	e403	e2,100	e102	e40	e88	2,790	1,150	110	659	392	130
20	147	1,530	e2,380	e97	e40	e85	4,280	913	232	588	458	115
21	137	2,330	e1,950	e93	e39	e83	2,920	654	181	447	412	104
22	138	1,560	e1,440	e89	e38	e80	1,840	459	140	334	559	95
23	136	1,060	e1,170	e85	e37	e79	1,450	349	170	277	406	88
24	140	766	e1,070	e82	e36	e77	1,190	316	169	483	331	79
25	135	612	e1,020	e79	e36	e76	1,010	1,200	149	369	268	72
26	139	497	e1,990	e76	e35	e84	852	1,350	163	272	218	68
27	725	429	e1,740	e73	e34	e173	754	1,230	128	209	184	63
28	1,730	386	e1,210	e71	e34	e388	781	951	107	170	161	58
29	1,900	764	e880	e69	e33	e832	667	748	94	142	140	54
30	2,690	925	e681	e67	---	e1,030	577	557	108	122	271	50
31	1,750	---	e552	e65	---	e1,130	---	425	---	111	316	---
TOTAL	11,925	22,400	24,833	5,055	1,352	6,470	45,115	19,765	7,160	7,642	16,076	7,271
MEAN	385	747	801	163	46.6	209	1,504	638	239	247	519	242
MAX	2,690	2,330	2,380	471	63	1,130	4,280	1,460	857	1,020	3,060	815
MIN	28	304	184	65	33	32	577	210	89	66	125	50
CFSM	1.66	3.22	3.45	0.70	0.20	0.90	6.48	2.75	1.03	1.06	2.24	1.04
IN.	1.91	3.59	3.98	0.81	0.22	1.04	7.23	3.17	1.15	1.23	2.58	1.17

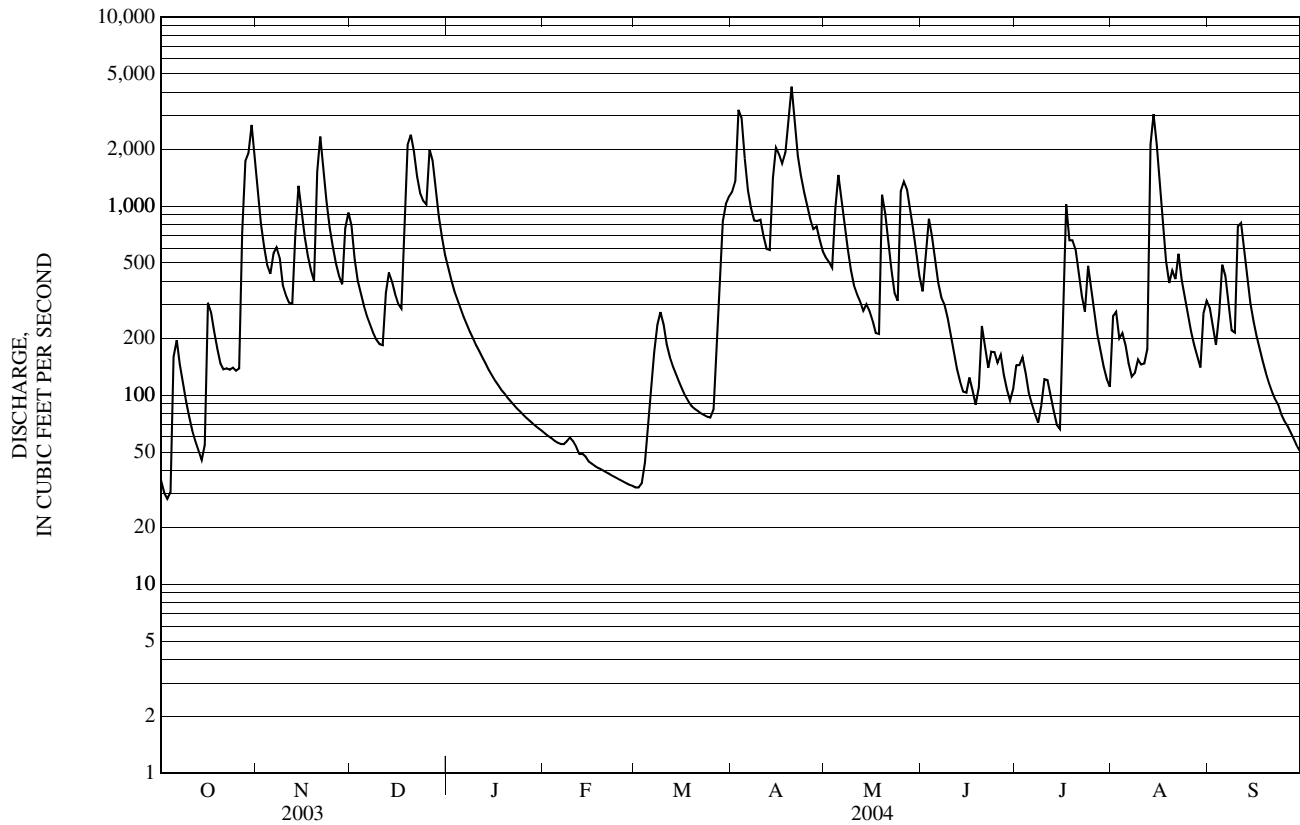
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	191	363	397	103	44.1	223	1,475	593	365	237	231	86.0
MAX	385	747	801	163	48.4	262	1,504	638	468	371	519	242
(WY)	(2004)	(2004)	(2004)	(2004)	(2002)	(2003)	(2004)	(2004)	(2002)	(2002)	(2004)	(2004)
MIN	76.0	112	142	55.6	37.2	198	1,454	525	239	94.9	45.3	22.4
(WY)	(2002)	(2002)	(2003)	(2002)	(2003)	(2002)	(2002)	(2002)	(2004)	(2003)	(2002)	(2003)

e Estimated

01027200 NORTH BRANCH PENOBSCOT RIVER NEAR PITTSTON FARM, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2001 - 2004	
ANNUAL TOTAL	153,501		175,064		360	
ANNUAL MEAN	421		478		478	
HIGHEST ANNUAL MEAN					299	
LOWEST ANNUAL MEAN					6,130	
HIGHEST DAILY MEAN	4,500	Apr 16	4,280	Apr 20	6,130	Apr 18, 2002
LOWEST DAILY MEAN	11	Sep 14	28	Oct 3	5.9	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	12	Sep 10	34	Feb 26	6.9	Sep 4, 2002
MAXIMUM PEAK FLOW			4,720	Apr 20	6,740	Apr 18, 2002
MAXIMUM PEAK STAGE			10.02	Apr 3	10.47	Apr 12, 2002
INSTANTANEOUS LOW FLOW			27	Oct 3	5.6	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.81		2.06		1.55	
ANNUAL RUNOFF (INCHES)	24.61		28.07		21.08	
10 PERCENT EXCEEDS	1,200		1,210		927	
50 PERCENT EXCEEDS	141		236		142	
90 PERCENT EXCEEDS	28		57		31	



01029200 SEBOEIS RIVER NEAR SHIN POND, ME

LOCATION.--Lat 46°08'35", long 68°38'01" (corrected), Aroostook County, Hydrologic Unit 01020002, on left bank at State Route 159 highway bridge in T6 R7, and 200 ft downstream from Sawtelle Brook.

DRAINAGE AREA.--173 mi².

PERIOD OF RECORD.--

DISCHARGE: April 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 512.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 1-21, Jan. 2 to Apr. 5, and period of doubtful gage-height record, Nov. 1-10, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,100 ft³/s, Apr. 10, 2000, gage height, 10.58 ft; minimum discharge, 4.3 ft³/s, Sept. 3, 2002, gage height, 3.94 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,240 ft³/s, Oct. 30, gage height, 9.15 ft; maximum gage height, 9.38 ft, Dec. 20 (backwater from ice); minimum daily discharge, 40 ft³/s, Mar. 25.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	e1,430	e717	730	e102	e53	e330	453	161	70	152	136
2	222	e1,210	e575	e640	e99	e62	e378	424	174	77	136	122
3	224	e1,050	e472	e559	e96	e96	e476	405	227	115	118	110
4	217	e926	e409	e491	e103	e126	e542	528	236	111	109	329
5	276	e817	e358	e443	e104	e117	e565	645	209	93	97	368
6	280	e730	e319	e402	e99	e136	536	568	181	86	86	305
7	235	e652	e287	e367	e102	e140	505	511	166	76	78	262
8	208	e589	e258	e337	e100	e121	505	456	158	70	72	233
9	186	e520	e236	e314	e96	e105	530	408	150	122	73	249
10	169	e465	e221	e291	e93	e93	549	362	134	290	64	516
11	157	420	e212	e271	e88	e84	523	339	117	319	63	635
12	146	398	e321	e254	e84	e76	508	316	103	267	65	539
13	162	461	e441	e235	e80	e70	505	288	92	211	272	471
14	164	714	e399	e218	e77	e64	773	266	83	187	573	426
15	204	626	e351	e203	e73	e60	1,180	255	80	175	528	379
16	411	512	e311	e191	e70	e56	1,090	241	76	177	414	337
17	378	457	e283	e180	e67	e53	960	219	67	172	352	304
18	322	417	e477	e170	e68	e50	918	199	61	157	306	273
19	294	396	e748	e166	e69	e48	1,010	210	70	148	273	245
20	273	539	e949	e161	e68	e46	1,210	187	87	152	309	218
21	268	1,030	e928	e152	e66	e45	1,090	174	81	160	294	194
22	284	981	834	e143	e66	e43	966	157	75	142	304	179
23	288	830	738	e138	e66	e42	889	146	141	126	266	167
24	291	737	674	e132	e63	e41	806	142	180	194	233	151
25	291	682	878	e128	e60	e40	738	226	158	224	200	140
26	302	614	1,380	e123	e58	e49	669	270	140	198	176	133
27	474	554	1,360	e119	e56	e161	624	257	118	175	160	122
28	1,030	512	1,180	e115	e55	e260	595	234	100	158	147	114
29	1,250	686	1,030	e111	e54	e353	535	232	85	143	132	108
30	2,040	842	895	e108	---	e317	492	207	79	128	131	101
31	1,790	---	806	e105	---	e306	---	178	---	119	136	---
TOTAL	13,106	20,797	19,047	7,997	2,282	3,313	20,997	9,503	3,789	4,842	6,319	7,866
MEAN	423	693	614	258	78.7	107	700	307	126	156	204	262
MAX	2,040	1,430	1,380	730	104	353	1,210	645	236	319	573	635
MIN	146	396	212	105	54	40	330	142	61	70	63	101
CFSM	2.44	4.01	3.55	1.49	0.45	0.62	4.05	1.77	0.73	0.90	1.18	1.52
IN.	2.82	4.47	4.10	1.72	0.49	0.71	4.51	2.04	0.81	1.04	1.36	1.69

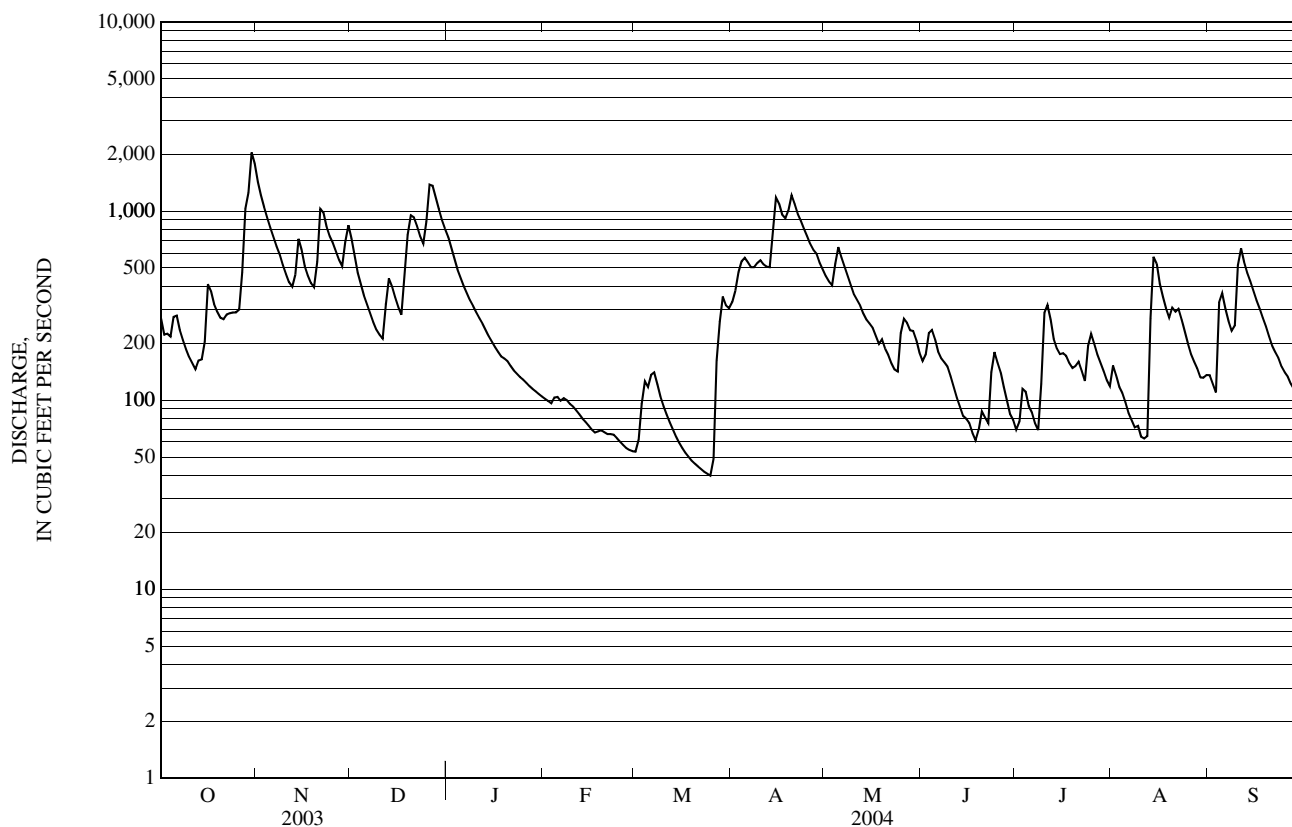
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	169	252	260	141	90.3	229	1,065	460	170	111	99.3	139
MAX	423	693	614	258	182	572	1,670	706	278	239	233	535
(WY)	(2004)	(2004)	(2004)	(2004)	(1999)	(1999)	(2000)	(2000)	(2003)	(1998)	(1999)	(1999)
MIN	26.0	47.0	93.6	74.0	61.4	85.4	630	276	122	59.7	23.4	12.4
(WY)	(2003)	(2002)	(2002)	(2002)	(2003)	(2001)	(2001)	(1999)	(2002)	(2003)	(2002)	(2002)

e Estimated

01029200 SEBOEIS RIVER NEAR SHIN POND, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	122,363.4		119,858		258	
ANNUAL MEAN	335		327		359	
HIGHEST ANNUAL MEAN					173	
LOWEST ANNUAL MEAN					2,880	
HIGHEST DAILY MEAN	2,190	Apr 25	2,040	Oct 30	2,880	Apr 10, 2000
LOWEST DAILY MEAN	8.8	Sep 20	40	Mar 25	4.5	Sep 3, 2002
ANNUAL SEVEN-DAY MINIMUM	10	Sep 19	44	Mar 19	5.4	Aug 29, 2002
MAXIMUM PEAK FLOW			2,240	Oct 30	3,100	Apr 10, 2000
MAXIMUM PEAK STAGE			9.38	Dec 20	10.58	Apr 10, 2000
INSTANTANEOUS LOW FLOW					4.3	Sep 3, 2002
ANNUAL RUNOFF (CFSM)	1.94		1.89		1.49	
ANNUAL RUNOFF (INCHES)	26.31		25.77		20.26	
10 PERCENT EXCEEDS	876		738		625	
50 PERCENT EXCEEDS	169		222		126	
90 PERCENT EXCEEDS	35		70		34	



01029500 EAST BRANCH PENOBSCOT RIVER AT GRINDSTONE, ME

LOCATION.--Lat 45°43'49", long 68°35'22" (corrected), Penobscot County, Hydrologic Unit 01020002, on left bank 500 ft downstream from Bangor and Aroostook Railroad bridge, 0.5 mi south of Grindstone, and 9.5 mi upstream from confluence with West Branch Penobscot River.

DRAINAGE AREA.--1,086 mi²

PERIOD OF RECORD.--

DISCHARGE: October 1902 to September 1982 (monthly discharge only for some periods). October 1999 to current year.

GAGE HEIGHT: May 1998 to September 1999.

GAGE.--Water-stage recorder. Datum of gage is 294.74 ft above National Geodetic Vertical Datum of 1929. Prior to June 30, 1929, nonrecording gage on railroad bridge at same datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 5-18 and Jan. 2 to Apr. 1, which are poor. Flow regulated by Chamberlain, Telos, Second, Grand Lakes, and Round Pond, combined usable capacity, about 6.835 billion ft³. Final regulation at Grand Lake Dam 35 mi upstream. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,000 ft³/s, Apr. 30, 1923, gage height 16.9 ft, site then in use; minimum daily discharge, 77 ft³/s, Nov. 19, 1924.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,700 ft³/s, Oct. 30, gage height, 9.84 ft; minimum daily discharge, 297 ft³/s, Mar. 23.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,750	7,010	4,450	4,120	e877	e379	e1,990	1,840	1,650	603	929	1,880
2	2,000	5,810	3,940	e3,310	e960	e379	2,340	1,800	1,420	618	900	1,720
3	1,920	4,760	4,020	e2,950	e1,000	e375	3,930	1,810	1,760	703	781	1,580
4	2,120	3,960	3,580	e2,740	e955	e434	4,780	2,150	1,890	740	748	1,950
5	2,940	3,240	e2,790	e2,390	e810	e400	4,480	2,940	1,700	694	709	2,520
6	2,920	3,070	e2,260	e2,190	e755	e385	3,850	2,480	1,390	647	665	2,140
7	2,400	3,170	e1,990	e2,030	e733	e402	3,490	2,080	1,260	619	638	2,090
8	2,130	2,960	e1,790	e1,880	e720	e398	3,570	1,870	1,250	591	651	2,110
9	1,960	2,570	e1,630	e1,780	e657	e376	3,380	1,710	1,210	713	671	3,020
10	1,840	2,400	e1,510	e1,690	e650	e364	3,360	1,580	1,130	1,750	644	5,220
11	1,760	2,300	e1,430	e1,620	e659	e353	3,170	1,510	1,060	1,610	614	5,430
12	1,690	2,010	e1,400	e1,580	e643	e352	2,850	1,470	1,030	1,250	622	4,300
13	1,820	2,360	e3,500	e1,490	e628	e339	2,620	1,400	1,040	1,010	2,390	3,730
14	1,890	4,650	e2,910	e1,410	e637	e329	4,510	1,350	879	950	6,570	3,390
15	1,690	4,010	e2,500	e1,370	e577	e323	7,200	1,220	686	941	5,600	3,200
16	3,410	3,300	e2,310	e1,420	e536	e326	6,580	1,140	715	1,250	3,940	2,820
17	2,690	2,940	e3,690	e1,390	e511	e317	5,850	1,090	717	1,090	2,450	2,580
18	2,110	2,710	e3,910	e1,320	e494	e313	5,170	1,030	693	969	1,990	2,440
19	1,870	2,590	8,120	e1,220	e479	e314	5,050	1,040	638	950	1,720	2,080
20	1,730	3,050	7,780	e1,170	e407	e314	6,130	996	752	1,070	1,640	1,870
21	2,040	6,020	6,820	e1,120	e391	e314	5,420	907	890	1,050	2,030	1,510
22	2,810	5,580	5,930	e1,080	e404	e305	4,600	846	858	977	1,990	1,400
23	2,760	4,690	5,050	e1,050	e394	e297	4,370	795	737	901	1,680	1,360
24	2,590	4,140	4,960	e1,020	e392	e299	3,820	784	821	1,210	1,650	1,310
25	2,390	3,850	6,580	e997	e395	e324	3,220	1,280	813	1,780	1,570	963
26	2,120	3,630	9,620	e974	e394	e452	2,770	2,270	783	1,600	1,490	922
27	2,840	3,380	9,210	e948	e383	e1,030	2,310	1,840	732	1,420	1,430	895
28	7,260	2,850	7,240	e929	e369	e1,960	2,270	1,630	677	1,330	1,390	868
29	7,120	4,200	6,140	e912	e380	e1,980	2,040	1,580	636	1,280	1,340	955
30	10,800	5,690	5,530	e895	---	e1,880	1,820	1,640	616	1,170	1,350	1,010
31	9,120	---	5,080	e883	---	e1,890	---	1,830	---	1,010	1,650	---
TOTAL	95,490	112,900	137,670	49,878	17,190	17,903	116,940	47,908	30,433	32,496	52,442	67,263
MEAN	3,080	3,763	4,441	1,609	593	578	3,898	1,545	1,014	1,048	1,692	2,242
MAX	10,800	7,010	9,620	4,120	1,000	1,980	7,200	2,940	1,890	1,780	6,570	5,430
MIN	1,690	2,010	1,400	883	369	297	1,820	784	616	591	614	868
CFSM	2.84	3.47	4.09	1.48	0.55	0.53	3.59	1.42	0.93	0.97	1.56	2.06
IN.	3.27	3.87	4.72	1.71	0.59	0.61	4.01	1.64	1.04	1.11	1.80	2.30

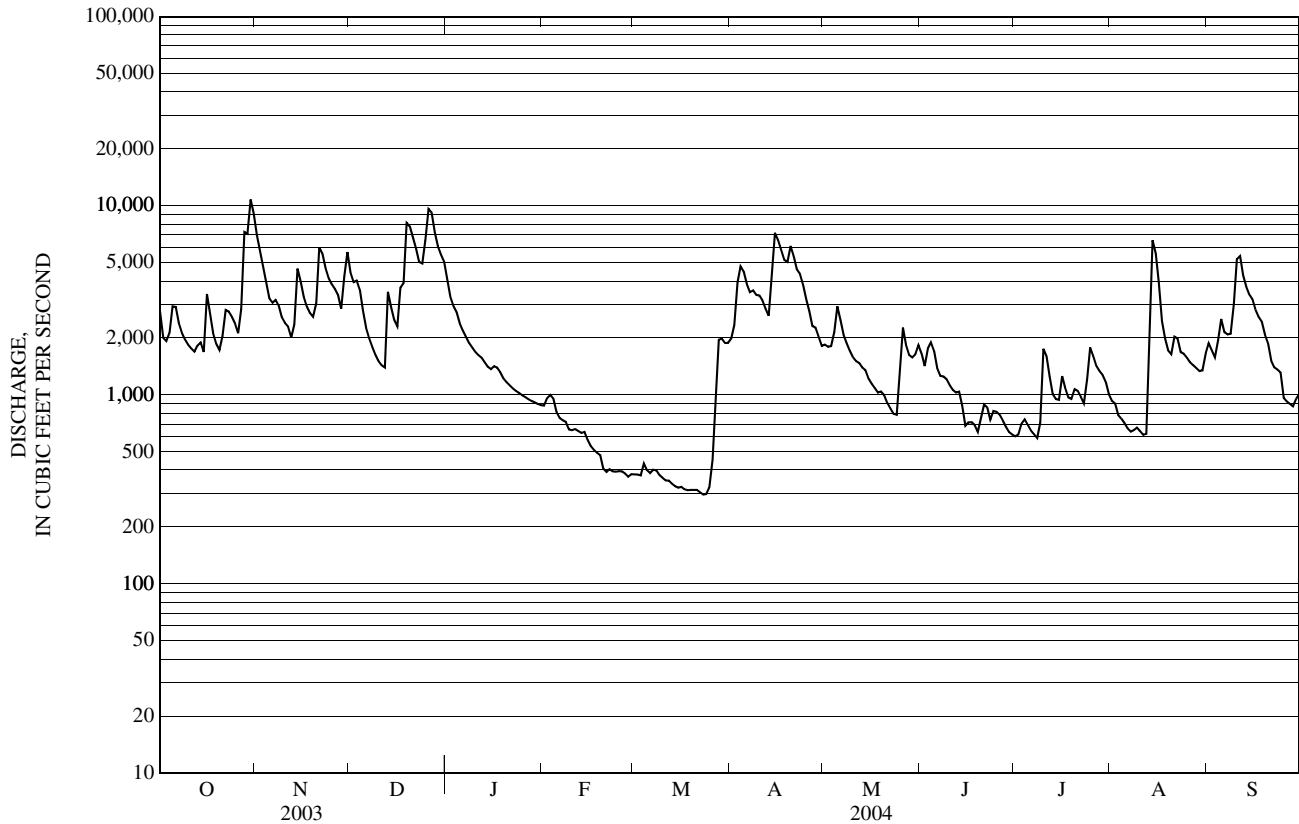
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	1,243	5,537	(1982)	210	(1911)	1,751	6,564	(1964)	327	(1956)	1,548	6,015	(1951)	203	(1909)	1,079	3,552	(1958)	255	(1948)
	1,018	7,851	(1970)	216	(1948)	1,531	9,941	(1936)	222	(1923)	4,794	10,890	(2000)	1,268	(1926)	4,791	6,292	(1961)	796	(2004)
	2,255	6,292	(1917)	796	(1921)	1,326	4,697	(1918)	357	(1955)	902	2,807	(1976)	250	(1941)	968	4,200	(1954)	264	(1910)

e Estimated

01029500 EAST BRANCH PENOBSCOT RIVER AT GRINDSTONE, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	783,516		778,513		1,936	
ANNUAL MEAN	2,147		2,127		2,952	
HIGHEST ANNUAL MEAN					1,028	
LOWEST ANNUAL MEAN					1911	
HIGHEST DAILY MEAN	10,800	Oct 30	10,800	Oct 30	33,700	Apr 30, 1923
LOWEST DAILY MEAN	379	Sep 15	297	Mar 23	77	Nov 19, 1924
ANNUAL SEVEN-DAY MINIMUM	387	Sep 10	308	Mar 18	117	Dec 25, 1914
MAXIMUM PEAK FLOW			11,700	Oct 30	37,000	Apr 30, 1923
MAXIMUM PEAK STAGE			9.84	Oct 30	16.90	Apr 30, 1923
ANNUAL RUNOFF (CFSM)	1.98		1.96		1.78	
ANNUAL RUNOFF (INCHES)	26.84		26.67		24.22	
10 PERCENT EXCEEDS	5,180		4,660		4,590	
50 PERCENT EXCEEDS	1,410		1,640		1,130	
90 PERCENT EXCEEDS	474		471		427	



01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME

LOCATION.--Lat 45°30'04", long 68°18'21" (corrected), Penobscot County, Hydrologic Unit 01020003, on left bank 0.6 mi downstream of Gordon Falls, 0.6 mi upstream from Mattakeunk Stream, 3.6 mi upstream from Mattawamkeag, and 4.0 mi upstream from mouth.

DRAINAGE AREA.--1,418 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1934 to current year.

CHEMICAL ANALYSES: Water year 1954.

REVISED RECORDS.--WSP 1501: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 217 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 11, 1991, at site 0.5 mi upstream at datum 12.94 ft higher. Mar. 11, 1991 to May 29, 1996 at site 0.5 mi upstream at datum 10.94 ft higher.

REMARKS.--Records good, except for period of ice effect, Dec. 6 to Apr. 2, which is poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,200 ft³/s, Mar. 23, 1936, gage height, 15.34 ft, former site and datum; minimum discharge, 30 ft³/s, Sept. 7, 1995.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 1, 1923 has been estimated as 46,600 ft³/s, based on flow for the Mattawamkeag River at Mattawamkeag (station 01031000); gage height unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,200 ft³/s, Nov. 1, gage height, 12.89 ft; minimum daily discharge, 164 ft³/s, Mar. 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	957	15,100	6,350	e7,430	e444	e167	e3,970	3,820	1,320	345	368	661
2	1,190	14,700	6,580	e6,290	e413	e164	e4,300	3,470	1,180	332	386	857
3	1,230	13,500	5,960	e5,150	e377	e201	5,720	3,180	1,260	333	372	832
4	1,230	11,800	4,710	e4,110	e355	e309	7,150	4,190	1,380	359	382	751
5	1,310	9,780	3,740	e3,450	e341	e450	8,080	6,230	1,390	449	367	817
6	1,590	8,080	e3,140	e2,880	e330	e583	8,040	6,950	1,280	485	340	1,100
7	1,750	6,870	e2,680	e2,380	e320	e673	7,490	6,460	1,180	454	314	1,190
8	1,680	5,820	e2,360	e1,870	e313	e720	6,860	5,460	1,140	413	296	1,090
9	1,510	4,920	e2,170	e1,630	e308	e711	6,310	4,480	1,080	408	280	1,040
10	1,320	4,180	e2,000	e1,440	e297	e679	5,940	3,700	965	434	269	1,450
11	1,140	3,620	e1,920	e1,280	e282	e642	5,680	3,160	831	527	253	2,490
12	1,000	3,260	e2,590	e1,160	e266	e606	5,300	2,770	716	615	238	3,100
13	1,170	3,160	e3,020	e1,070	e253	e577	4,940	2,430	617	595	245	3,010
14	1,620	3,750	e3,210	e982	e242	e562	5,080	2,180	543	538	280	2,550
15	1,860	4,550	e3,340	e912	e230	e543	7,050	2,010	495	489	412	2,070
16	2,400	4,860	e3,150	e848	e221	e523	9,690	1,880	447	455	699	1,700
17	3,010	4,560	e3,170	e794	e214	e497	10,600	1,770	400	435	818	1,430
18	3,120	4,030	e3,580	e742	e206	e469	10,200	1,630	372	425	780	1,240
19	2,840	3,550	e4,500	e704	e200	e448	9,280	1,550	346	427	695	1,110
20	2,470	3,680	e5,230	e672	e195	e429	8,570	1,450	356	441	613	992
21	2,350	6,800	e5,690	e641	e192	e413	8,150	1,350	359	444	575	879
22	3,580	10,300	e5,710	e612	e189	e400	7,690	1,200	354	424	597	775
23	4,970	11,300	e5,340	e587	e188	e387	6,980	1,070	382	401	652	702
24	5,500	10,700	e5,100	e569	e186	e377	6,070	977	407	410	711	624
25	5,540	9,450	e5,270	e548	e197	e369	5,210	1,050	430	438	680	564
26	5,270	8,070	e6,740	e531	e195	e416	4,570	1,340	462	515	602	518
27	5,020	6,850	e8,360	e523	e188	e822	4,140	1,640	463	563	531	479
28	5,980	5,750	e9,750	e517	e181	e1,780	4,170	1,730	451	533	473	449
29	8,770	5,260	e9,990	e509	e173	e2,670	4,310	1,710	421	485	428	416
30	12,300	5,720	e9,380	e488	---	e3,080	4,180	1,620	381	437	390	386
31	14,500	---	e8,500	e465	---	e3,460	---	1,490	---	395	453	---
TOTAL	108,177	213,970	153,230	51,784	7,496	24,127	195,720	83,947	21,408	14,004	14,499	35,272
MEAN	3,490	7,132	4,943	1,670	258	778	6,524	2,708	714	452	468	1,176
MAX	14,500	15,100	9,990	7,430	444	3,460	10,600	6,950	1,390	615	818	3,100
MIN	957	3,160	1,920	465	173	164	3,970	977	346	332	238	386
CFSM	2.46	5.03	3.49	1.18	0.18	0.55	4.60	1.91	0.50	0.32	0.33	0.83
IN.	2.84	5.61	4.02	1.36	0.20	0.63	5.13	2.20	0.56	0.37	0.38	0.93

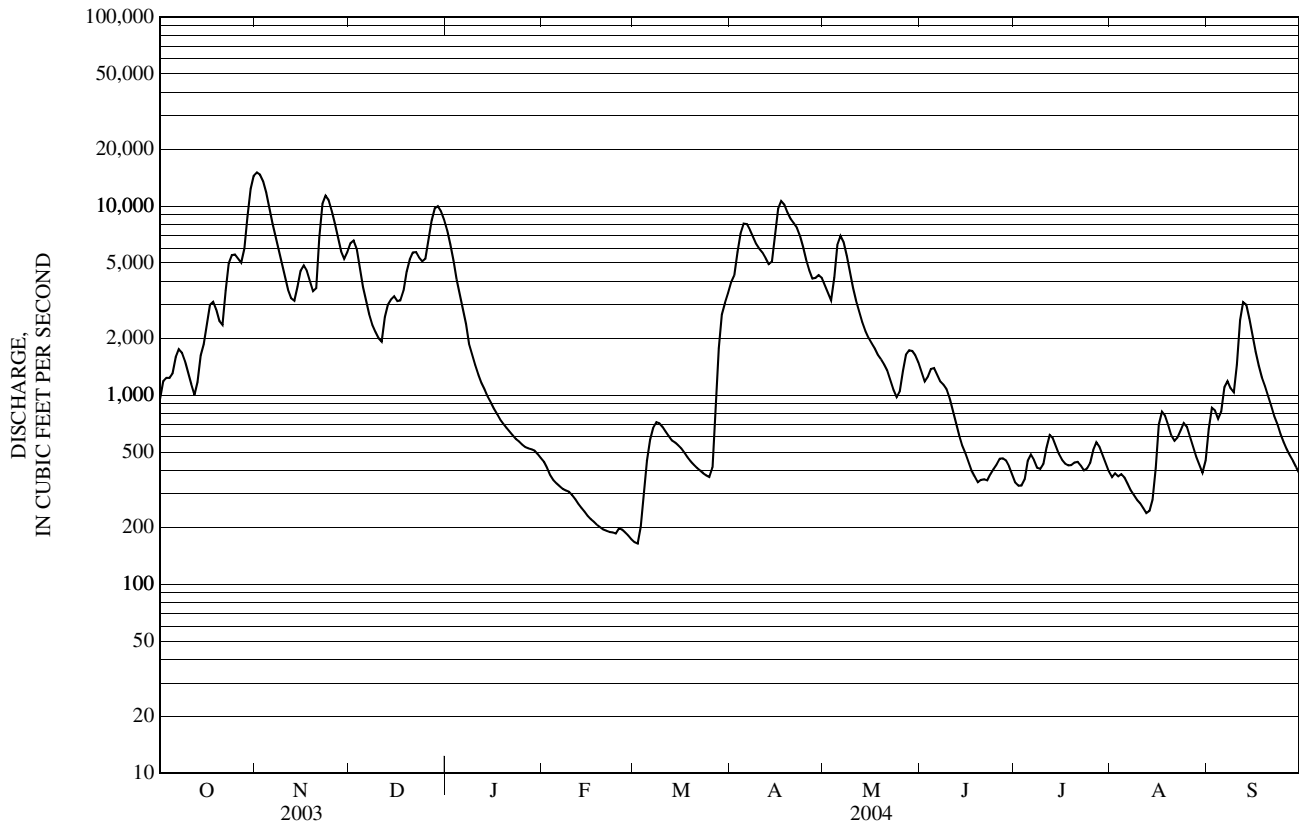
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2004, BY WATER YEAR (WY)

	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
MEAN	1,398	2,736	2,613	1,406	1,239	2,216	8,484	5,417	1,950	1,006	725	799
MAX	6,901	8,428	9,871	3,938	4,685	11,330	13,950	12,760	7,262	5,658	2,565	5,106
(WY)	(1982)	(1964)	(1951)	(1978)	(1970)	(1936)	(1976)	(1961)	(1984)	(1996)	(1962)	(1954)
MIN	146	219	105	197	165	230	3,012	1,254	406	118	70.9	38.6
(WY)	(1947)	(1956)	(1956)	(1948)	(1944)	(1944)	(1944)	(1999)	(1988)	(1991)	(1995)	(1995)

e Estimated

01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1935 - 2004	
ANNUAL TOTAL	1,159,241		923,634			
ANNUAL MEAN	3,176		2,524		2,498	
HIGHEST ANNUAL MEAN					4,015	
LOWEST ANNUAL MEAN					1,307	
HIGHEST DAILY MEAN	15,900	Apr 26	15,100	Nov 1	29,200	Mar 23, 1936
LOWEST DAILY MEAN	116	Sep 23	164	Mar 2	32	Sep 4, 1995
ANNUAL SEVEN-DAY MINIMUM	121	Sep 21	181	Feb 25	33	Sep 1, 1995
MAXIMUM PEAK FLOW			15,200	Nov 1	29,200	Mar 23, 1936
MAXIMUM PEAK STAGE			12.89	Nov 1	15.34	Mar 23, 1936
INSTANTANEOUS LOW FLOW					30	Sep 7, 1995
ANNUAL RUNOFF (CFSM)	2.24		1.78		1.76	
ANNUAL RUNOFF (INCHES)	30.41		24.23		23.93	
10 PERCENT EXCEEDS	8,800		6,850		6,480	
50 PERCENT EXCEEDS	1,590		1,100		1,190	
90 PERCENT EXCEEDS	322		331		258	



01031300 PISCATAQUIS RIVER AT BLANCHARD, ME

LOCATION.--Lat 45°16'02", long 69°35'02" (corrected), Piscataquis County, Hydrologic Unit 01020004, on left bank at downstream side of bridge in the Town of Blanchard, and 1.0 mi downstream of the confluence of the East and West Branches of the Piscataquis River.

DRAINAGE AREA.--118 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1996 to current year.

REVISED RECORDS.--WDR ME-98-1: 1997(M).

GAGE.--Water-stage recorder. Datum of gage is 564.09 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 2-17, Jan. 3 to Apr. 4, and period of no gage-height record, Oct. 3-8, which are fair. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 451603069350101). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,550 ft³/s, Apr. 9, 2000, gage height 11.38; minimum discharge, 2.9 ft³/s, Sept. 10-11, 2002, gage height 3.13 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 28	0430	2,270	7.96	Dec 26	0300	1,680	7.39
Oct 29	2230	3,590	9.03	Apr 14	1145	2,160	7.86
Dec 18	0630	*4,830	*9.83				

Minimum discharge, 19 ft³/s, July 1, gage height, 3.66 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	901	595	359	e30	e26	e466	215	141	20	48	559
2	117	628	e376	307	e28	e27	e765	196	167	33	48	315
3	e112	482	e278	e267	e29	e30	e1,240	186	215	41	44	197
4	e112	408	e215	e235	e35	e39	e1,030	353	189	37	44	147
5	e473	370	e170	e210	e34	e38	858	436	158	32	38	116
6	e315	393	e151	e188	e34	e59	618	339	128	30	32	96
7	e216	362	e163	e169	e40	e71	500	262	134	27	32	85
8	e159	299	e191	e154	e38	e61	486	208	139	26	41	78
9	133	210	e181	e140	e36	e53	529	180	118	69	64	197
10	113	222	e178	e127	e34	e49	528	160	94	138	45	506
11	99	200	e233	e117	e32	e47	461	150	77	106	39	436
12	92	193	e668	e107	e31	e48	411	138	64	74	38	285
13	106	550	e559	e98	e30	e48	426	131	55	51	280	199
14	94	774	e439	e91	e28	e47	1,830	128	48	40	360	155
15	461	535	e439	e85	e28	e45	1,860	117	45	60	256	128
16	703	389	e411	e80	e27	e43	1,270	117	40	72	178	109
17	469	304	e477	e75	e26	e41	902	110	36	105	145	95
18	343	248	3,540	e73	e25	e39	811	100	33	73	113	92
19	263	229	1,620	e73	e25	e38	841	112	40	67	95	90
20	214	779	954	e70	e24	e37	835	103	61	77	128	79
21	415	1,260	549	e66	e24	e37	672	101	45	66	156	71
22	728	863	708	e62	e27	e35	530	92	37	54	244	64
23	559	595	614	e58	e33	e36	451	87	37	58	175	54
24	434	454	501	e53	e32	e34	384	115	34	273	134	48
25	360	386	997	e47	e31	e34	324	329	32	248	104	44
26	350	327	1,550	e43	e29	e46	307	365	31	184	87	43
27	758	277	1,130	e38	e28	e206	320	322	28	125	76	41
28	1,970	266	793	e37	e27	e632	331	250	25	92	68	39
29	2,250	1,060	600	e36	e26	e532	275	238	22	75	58	36
30	2,640	852	489	e35	---	e475	238	197	22	61	60	33
31	1,470	---	416	e33	---	e440	---	163	---	51	536	---
TOTAL	16,678	14,816	20,185	3,533	871	3,393	20,499	6,000	2,295	2,465	3,766	4,437
MEAN	538	494	651	114	30.0	109	683	194	76.5	79.5	121	148
MAX	2,640	1,260	3,540	359	40	632	1,860	436	215	273	536	559
MIN	92	193	151	33	24	26	238	87	22	20	32	33
CFSM	4.56	4.19	5.52	0.97	0.25	0.93	5.79	1.64	0.65	0.67	1.03	1.25
IN.	5.26	4.67	6.36	1.11	0.27	1.07	6.46	1.89	0.72	0.78	1.19	1.40

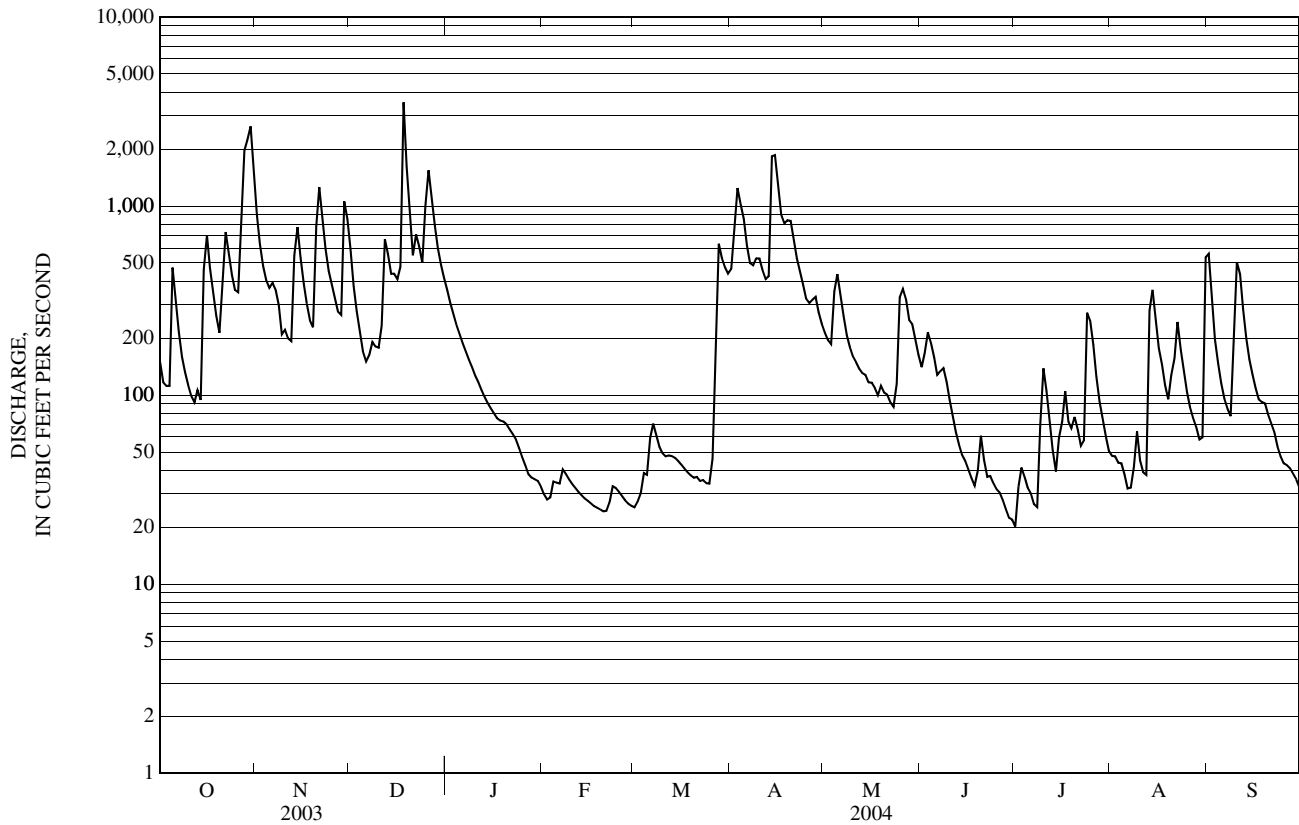
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

MEAN	165	226	248	101	81.0	282	793	315	176	70.5	34.1	84.2
MAX	538	494	651	300	208	585	1,252	689	543	199	121	383
(WY)	(2004)	(2004)	(2004)	(1999)	(1998)	(1998)	(2000)	(1997)	(1998)	(1998)	(2004)	(1999)
MIN	17.8	21.3	56.9	37.6	26.1	45.1	558	133	62.8	27.2	7.79	8.36
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(2001)	(1999)	(1999)	(2000)	(2000)	(2001)	(2002)

e Estimated

01031300 PISCATAQUIS RIVER AT BLANCHARD, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	95,741.4		98,938		214	
ANNUAL MEAN	262		270		286	
HIGHEST ANNUAL MEAN					132	
LOWEST ANNUAL MEAN					4,240	
HIGHEST DAILY MEAN	3,540	Dec 18	3,540	Dec 18	7,550	Apr 9, 2000
LOWEST DAILY MEAN	8.1	Sep 15	20	Jul 1	3.0	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	9.1	Sep 9	25	Feb 16	3.4	Sep 5, 2002
MAXIMUM PEAK FLOW			4,830	Dec 18	11.38	Apr 9, 2000
MAXIMUM PEAK STAGE			9.83	Dec 18	2.9	Sep 10, 2002
INSTANTANEOUS LOW FLOW			19	Jul 1	1.82	
ANNUAL RUNOFF (CFSM)	2.22		2.29		24.69	
ANNUAL RUNOFF (INCHES)	30.18		31.19		572	
10 PERCENT EXCEEDS	680		629		79	
50 PERCENT EXCEEDS	114		128		15	
90 PERCENT EXCEEDS	19		32			



01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME

LOCATION.--Lat 45°11'04", long 69°27'09" (corrected), Piscataquis County, Hydrologic Unit 01020004, on left bank 200 ft upstream from State Route 15/16 highway bridge in Abbot Village, and 0.9 mi upstream from mouth.

DRAINAGE AREA.--95.4 mi².

PERIOD OF RECORD.--

DISCHARGE: July 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 423.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 3-21, Jan. 2 to Apr. 13, and periods of no gage-height record, Jan. 10-11, and 14, which are fair. Low flow may be regulated by operation of Kingsbury Pond Dam above station. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 451105069270801). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,290 ft³/s, Apr. 9, 2000, gage height, 12.81 ft, maximum gage height, 18.43 ft, Dec. 20, 2003 (backwater from ice); minimum discharge, 1.1 ft³/s, Aug. 20, 2001, gage height 4.48 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 15	2315	1,680	10.36	Nov 29	1200	2,290	10.95
Oct 21	2145	1,810	10.50	Dec 18	Unknown	*5,240 ^a	Ice Jam
Oct 28	0500	2,730	11.29	Dec 20	0615	Ice Jam	*18.43
Oct 29	2115	3,310	11.68	Dec 26	0245	2,110	10.79
Nov 20	2000	1,510	10.17	Aug 13	1500	1,730	10.42

Minimum discharge, 13 ft³/s, June 29 and July 1, gage height, 5.40 ft.

^a Estimated daily discharge

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	620	583	297	e32	e29	e532	137	109	15	53	109
2	104	446	405	e254	e30	e31	e743	124	144	20	63	74
3	127	350	e286	e222	e30	e36	e1,280	118	214	36	49	59
4	128	320	e209	e199	e33	e47	e922	284	150	28	47	52
5	788	279	e172	e176	e36	e61	e835	314	110	22	45	48
6	370	274	e154	e160	e40	e68	e575	209	89	24	40	49
7	221	237	e164	e145	e43	e147	e450	164	88	26	37	51
8	161	203	e198	e133	e42	e144	e460	133	91	21	37	48
9	129	168	e176	e123	e40	e112	e499	112	77	56	41	153
10	107	149	e171	e114	e37	e76	e474	100	65	125	38	515
11	92	141	e145	e107	e35	e66	e382	93	55	69	32	257
12	85	143	e944	e101	e33	e61	e336	87	49	46	32	144
13	468	619	e760	e95	e32	e57	e361	84	44	34	879	102
14	288	772	e583	e91	e31	e53	2,010	87	40	26	711	80
15	697	407	e469	e87	e29	e50	1,620	80	38	37	325	68
16	1,080	284	e434	e83	e28	e46	962	92	36	77	206	60
17	523	225	e415	e80	e27	e44	644	87	31	76	189	56
18	344	191	e4,160	e77	e27	e41	519	75	28	71	151	59
19	265	178	e2,460	e77	e26	e39	447	133	29	57	115	80
20	214	680	e1,480	e75	e26	e37	399	104	43	68	259	65
21	782	1,110	e926	e73	e27	e36	316	98	35	113	284	54
22	1,190	659	660	e71	e30	e35	263	89	28	63	436	47
23	700	439	465	e65	e35	e34	232	87	27	58	219	43
24	510	341	360	e56	e36	e33	207	145	26	895	148	40
25	375	313	958	e50	e35	e35	193	608	23	353	110	37
26	345	275	1,730	e44	e33	e48	179	481	23	175	90	35
27	804	233	955	e40	e31	e239	200	376	21	113	78	34
28	2,060	224	666	e38	e30	e657	227	265	17	91	70	31
29	1,930	1,590	492	e37	e29	e535	182	226	15	80	63	29
30	2,070	949	403	e36	---	e484	155	170	15	64	65	28
31	967	---	352	e34	---	e448	---	131	---	52	117	---
TOTAL	18,073	12,819	22,335	3,240	943	3,829	16,604	5,293	1,760	2,991	5,029	2,507
MEAN	583	427	720	105	32.5	124	553	171	58.7	96.5	162	83.6
MAX	2,070	1,590	4,160	297	43	657	2,010	608	214	895	879	515
MIN	85	141	145	34	26	29	155	75	15	15	32	28
CFSM	6.11	4.48	7.55	1.10	0.34	1.29	5.80	1.79	0.61	1.01	1.70	0.88
IN.	7.05	5.00	8.71	1.26	0.37	1.49	6.47	2.06	0.69	1.17	1.96	0.98

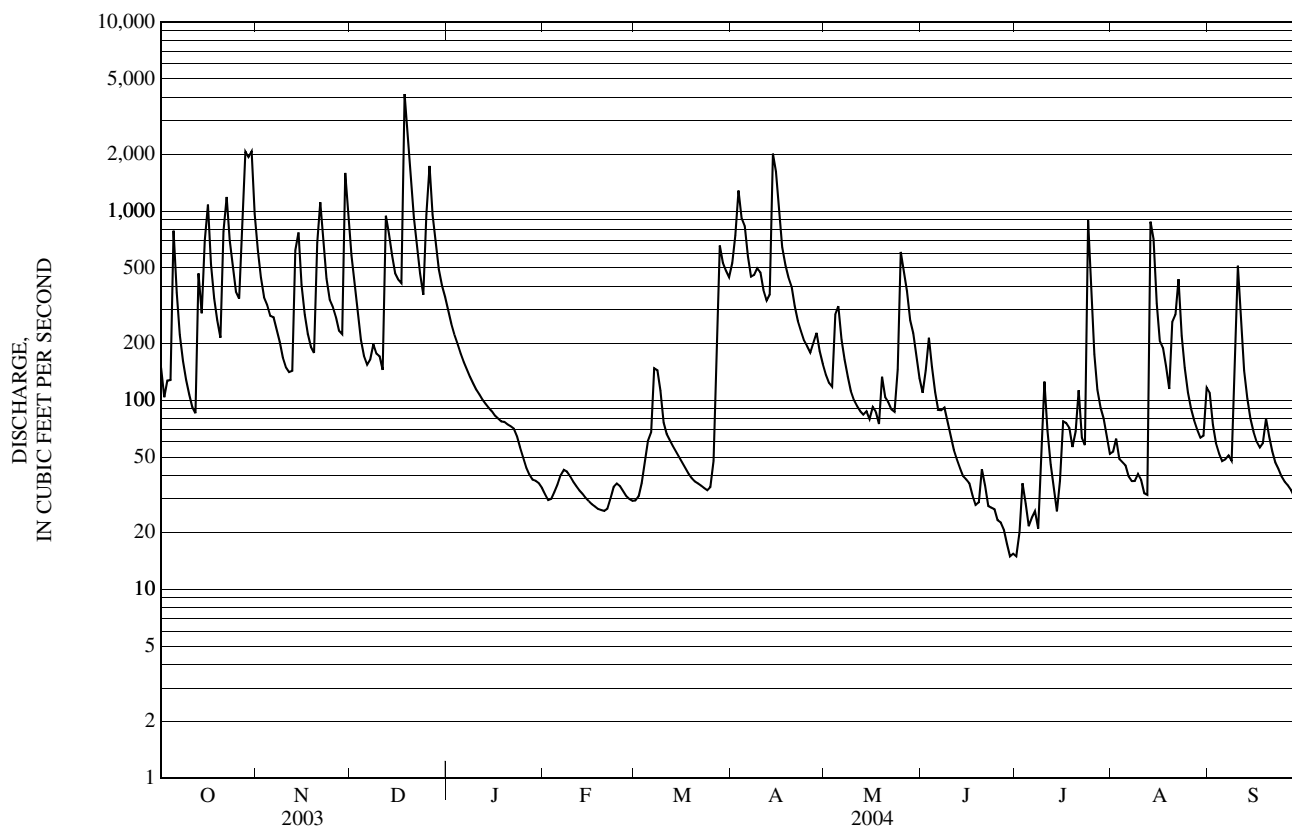
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

	MEAN	159	188	211	79.4	84.4	352	651	212	170	54.4	34.4	64.4
	MAX	583	427	720	201	186	665	942	301	535	127	162	295
	(WY)	(2004)	(2004)	(2004)	(1999)	(1998)	(1998)	(2000)	(2000)	(1998)	(1998)	(2004)	(1999)
	MIN	23.5	23.3	47.8	30.6	24.5	69.8	436	115	55.8	15.0	2.54	8.63
	(WY)	(2002)	(2002)	(2002)	(2003)	(2003)	(2001)	(1999)	(1999)	(2000)	(2001)	(2001)	(2002)

e Estimated

01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	91,867.0		95,423		189	
ANNUAL MEAN	252		261		261	2004
HIGHEST ANNUAL MEAN					125	2003
LOWEST ANNUAL MEAN					4,160	Dec 18, 2003
HIGHEST DAILY MEAN	4,160	Dec 18	4,160	Dec 18	5,290	Apr 9, 2000
LOWEST DAILY MEAN	4.2	Sep 15	15	Jun 29	1.2	Aug 19, 2001
ANNUAL SEVEN-DAY MINIMUM	5.2	Sep 10	18	Jun 26	1.4	Aug 14, 2001
MAXIMUM PEAK FLOW			5,240	Dec 18	18.43	Dec 20, 2003
MAXIMUM PEAK STAGE			18.43	Dec 20	1.1	Aug 20, 2001
INSTANTANEOUS LOW FLOW			13	Jun 29	1.98	
ANNUAL RUNOFF (CFSM)	2.64		2.73		26.86	
ANNUAL RUNOFF (INCHES)	35.82		37.21		511	
10 PERCENT EXCEEDS	698		662		63	
50 PERCENT EXCEEDS	93		109		14	
90 PERCENT EXCEEDS	17		31			



01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME

LOCATION.--Lat 45°10'30", long 69°18'53" (corrected), Piscataquis County, Hydrologic Unit 01020004, on left bank 30 ft downstream from Lows Bridge, 1.0 mi upstream from Black Stream, and 4.7 mi upstream from Dover-Foxcroft.

DRAINAGE AREA.--298 mi².

PERIOD OF RECORD.--

DISCHARGE: August 1902 to current year. Daily gage height and monthly discharge only for August to September 1902.

CHEMICAL ANALYSES: Water year 1955.

WATER TEMPERATURE: May 1987 to September 1989.

REVISED RECORDS.--WSP 279: 1902. WSP 1201: 1903-17, 1918-30(M), 1934-35. WSP 1301: 1909(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 358.47 ft above National Geodetic Vertical Datum of 1929. Prior to July 20, 1930, nonrecording gage at same site and datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 3-17 and Dec. 31 to Apr. 1, which are fair. Low flow may be regulated by operation of mills above station. Telephone and satellite telemeters at station. Gage is operated in conjunction with a co-located precipitation gage (station 451031069185301). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,300 ft³/s, Apr. 1, 1987, gage height, 22.62 ft, from rating curve extended above 20,000 ft³/s on basis of slope-area measurement; minimum discharge, 5.0 ft³/s, Aug. 6, 1905, Nov. 22, 1908.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 28	1200	5,710	8.04	Dec 18	1600	*11,000	*11.21
Oct 30	0400	7,970	9.61	Dec 26	1000	4,660	7.05
Nov 29	1615	4,660	7.23	Apr 14	1615	5,980	7.95

Minimum discharge, 54 ft³/s, July 1, gage height, 1.81 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	492	2,160	1,760	e929	e90	e74	e1,330	503	342	57	145	927
2	345	1,540	1,250	e816	e83	e79	2,040	451	374	64	146	553
3	332	1,200	e994	e717	e85	e87	3,300	416	582	94	130	348
4	325	1,050	e888	e627	e103	e110	2,750	723	493	98	125	255
5	1,420	934	e832	e558	e102	e143	2,440	1,040	382	84	114	207
6	977	934	e799	e503	e106	e223	1,760	798	308	82	98	179
7	655	865	e865	e453	e115	e360	1,330	629	281	76	92	169
8	484	753	e1,110	e410	e113	e369	1,250	491	309	70	94	155
9	377	603	e991	e375	e107	e318	1,320	405	267	112	128	265
10	314	532	e903	e344	e101	e262	1,320	356	215	333	117	1,250
11	263	507	e853	e316	e96	e240	1,130	325	174	259	94	1,020
12	237	501	e1,940	e294	e91	e233	1,000	304	145	175	88	641
13	757	1,200	e2,330	e276	e87	e227	1,000	280	126	123	1,600	430
14	683	2,250	e1,980	e260	e85	e200	4,370	282	112	92	2,080	316
15	1,110	1,400	e1,620	e247	e82	e175	4,930	267	106	95	1,090	254
16	2,660	1,010	e1,360	e235	e78	e154	3,230	276	97	167	676	218
17	1,470	797	e1,150	e225	e76	e139	2,150	276	87	207	521	194
18	1,020	671	6,970	e217	e75	e129	1,730	241	79	191	409	196
19	791	604	7,190	e216	e74	e120	1,630	304	87	150	315	225
20	645	1,370	4,350	e212	e72	e113	1,550	293	122	174	483	195
21	1,340	3,220	2,870	e205	e75	e112	1,310	265	116	254	539	166
22	3,100	2,190	1,990	e191	e82	e110	1,060	251	91	177	1,010	148
23	2,050	1,500	1,510	e186	e95	e106	915	231	87	147	655	131
24	1,480	1,160	1,230	e171	e99	e103	799	288	82	1,520	442	116
25	1,130	1,010	2,040	e147	e95	e102	706	1,000	78	1,090	325	106
26	997	894	4,320	e131	e89	e129	652	1,140	76	638	261	101
27	1,560	770	3,150	e120	e84	e388	699	983	72	396	221	95
28	4,890	715	2,050	e116	e79	e1,250	786	755	65	286	195	89
29	4,630	3,250	1,560	e114	e76	e1,220	681	654	61	232	174	84
30	6,700	2,840	1,270	e111	---	e1,100	576	525	61	187	167	81
31	3,550	---	e1,080	e101	---	e1,130	---	417	---	153	530	---
TOTAL	46,784	38,430	63,205	9,823	2,595	9,505	49,744	15,169	5,477	7,783	13,064	9,114
MEAN	1,509	1,281	2,039	317	89.5	307	1,658	489	183	251	421	304
MAX	6,700	3,250	7,190	929	115	1,250	4,930	1,140	582	1,520	2,080	1,250
MIN	237	501	799	101	72	74	576	231	61	57	88	81
CFSM	5.06	4.30	6.84	1.06	0.30	1.03	5.56	1.64	0.61	0.84	1.41	1.02
IN.	5.84	4.80	7.89	1.23	0.32	1.19	6.21	1.89	0.68	0.97	1.63	1.14

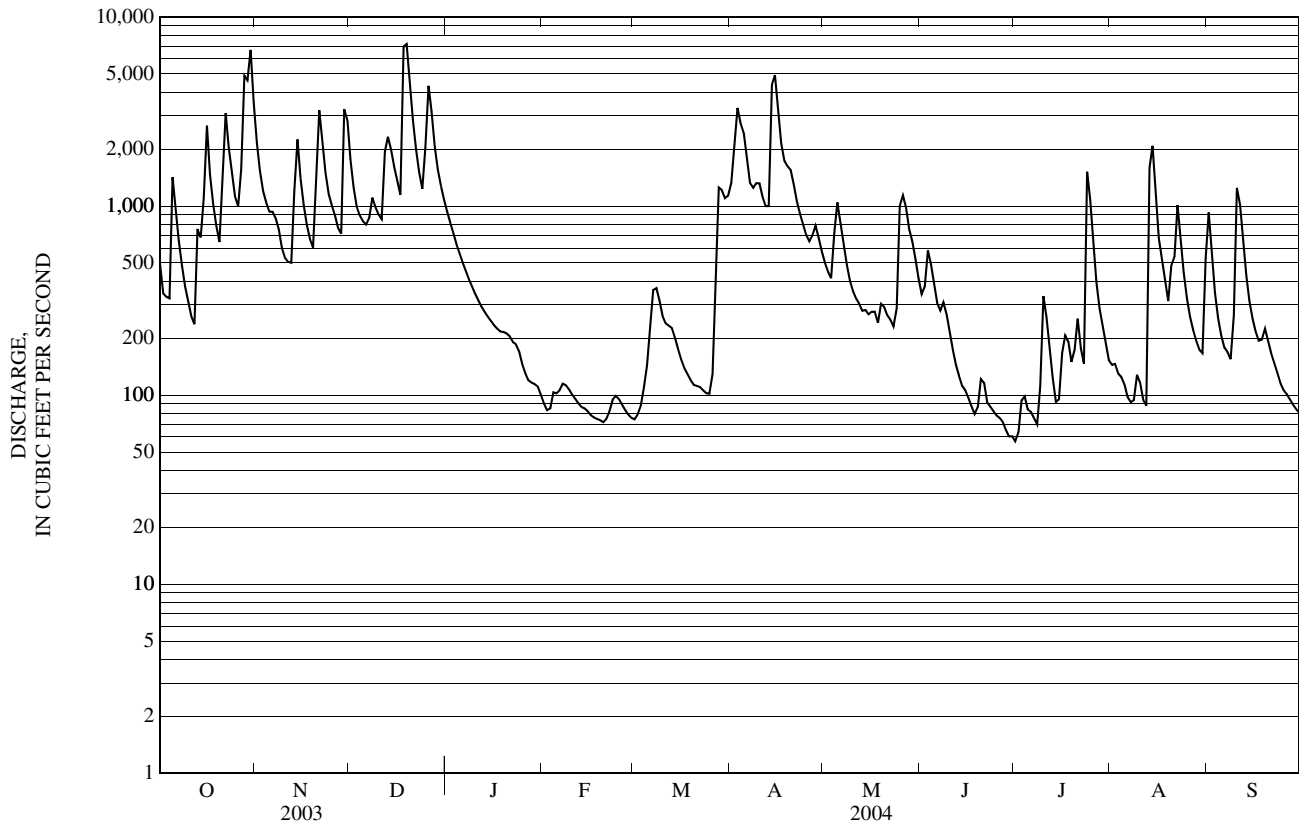
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

MEAN	399	674	554	307	272	610	2,071	1,245	468	240	171	183
MAX	1,910	2,468	2,699	1,441	1,582	3,791	3,459	3,399	1,916	1,378	974	1,461
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(1983)	(1969)	(1917)	(1996)	(1917)	(1954)
MIN	35.2	39.0	47.5	61.5	31.2	105	766	286	68.8	42.9	14.6	16.7
(WY)	(1948)	(1911)	(1979)	(1918)	(1980)	(1967)	(1981)	(1903)	(1921)	(1965)	(2001)	(1948)

e Estimated

01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	261,463		270,693		599	
ANNUAL MEAN	716		740		238	
HIGHEST ANNUAL MEAN					990	
LOWEST ANNUAL MEAN					238	
HIGHEST DAILY MEAN	7,190	Dec 19	7,190	Dec 19	31,700	Apr 1, 1987
LOWEST DAILY MEAN	24	Sep 15	57	Jul 1	5.0	Aug 6, 1905
ANNUAL SEVEN-DAY MINIMUM	29	Sep 10	65	Jun 26	9.5	Sep 11, 2001
MAXIMUM PEAK FLOW			11,000	Dec 18	37,300	Apr 1, 1987
MAXIMUM PEAK STAGE			11.21	Dec 18	22.62	Apr 1, 1987
INSTANTANEOUS LOW FLOW			54	Jul 1	5.0	Aug 6, 1905
ANNUAL RUNOFF (CFSM)	2.40		2.48		2.01	
ANNUAL RUNOFF (INCHES)	32.64		33.79		27.32	
10 PERCENT EXCEEDS	1,790		1,740		1,550	
50 PERCENT EXCEEDS	314		325		250	
90 PERCENT EXCEEDS	60		87		54	



01034000 PISCATAQUIS RIVER AT MEDFORD, ME

LOCATION.--Lat 45°15'38", long 68°52'07" (corrected), Piscataquis County, Hydrologic Unit 01020004, on left bank 2.0 mi southwest of Medford, and 3.3 mi downstream from Pleasant River.

DRAINAGE AREA.--1,162 mi².

PERIOD OF RECORD.--

DISCHARGE: June 1924 to September 1982, October 1989 to current year.

CHEMICAL ANALYSES: Water years 1952-53.

REVISED RECORDS.--WSP 1231: 1936. WSP 1301: 1925-29(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 248.68 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 14, 1929, nonrecording gage at site 1.8 mi downstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 4-17 and Jan. 1 to Mar. 27, which are fair. Flow regulated by Sebec Lake, 15 mi upstream, and other small reservoirs and power plants above station, usable capacity about 2.511 billion ft³. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,100 ft³/s, Nov. 4, 1966, gage height, 15.58 ft; minimum discharge, 77 ft³/s, Sept. 20, 2001, gage height, 1.10 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1, 1923 reached a stage of 20.8 ft, former site and datum, discharge not determined. Maximum discharge since at least 1923, 85,000 ft³/s, Apr. 1, 1987, gage height 18.65 ft, present datum, from floodmarks, from rating curve extended above 32,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	1730	23,500	9.91	Dec 26	2100	14,700	8.05
Dec 19	0930	*23,900	*10.00	Apr 15	0715	13,600	7.79

Minimum discharge, 310 ft³/s, July 2, gage height, 1.79 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,490	11,900	7,720	e4,770	e529	e396	4,220	2,600	1,360	351	700	3,280
2	2,690	8,670	6,190	e4,150	e513	e441	5,240	2,470	1,330	394	621	2,780
3	2,300	6,780	4,650	e3,740	e495	e508	7,900	2,390	2,110	558	627	2,320
4	2,070	5,710	e3,880	e3,380	e486	e631	8,040	2,920	2,250	566	610	1,790
5	2,510	5,000	e3,260	e3,150	e475	e809	7,200	3,930	2,100	473	560	1,210
6	3,730	4,830	e2,790	e2,800	e470	e1,100	5,850	3,390	1,830	475	862	1,020
7	2,940	4,450	e2,520	e2,640	e479	e1,270	4,710	2,380	1,240	469	869	1,010
8	2,290	3,600	e2,410	e2,410	e481	e1,310	4,220	1,890	969	414	715	807
9	1,920	3,140	e2,250	e2,200	e467	e1,070	4,170	1,740	999	457	628	793
10	1,580	2,790	e1,980	e2,050	e452	e879	4,140	1,550	1,100	791	594	1,850
11	1,060	2,660	e1,910	e1,670	e437	e810	3,860	1,450	991	1,110	531	3,310
12	947	2,620	e3,830	e1,590	e425	e763	3,500	1,370	828	858	479	2,660
13	1,710	3,410	e6,470	e1,510	e418	e739	3,350	1,200	857	658	3,170	2,370
14	2,550	7,410	e5,680	e1,450	e411	e696	7,110	1,100	584	563	10,400	2,040
15	2,430	5,660	e5,090	e1,400	e400	e607	13,200	1,080	501	559	6,540	1,640
16	6,520	4,260	e4,640	e1,360	e390	e566	10,200	1,080	497	586	4,540	957
17	5,610	3,690	e5,040	e1,320	e383	e589	7,150	992	486	642	3,510	835
18	3,770	3,210	9,700	e999	e379	e558	5,720	962	427	722	2,900	760
19	3,340	2,970	23,000	e967	e388	e529	5,260	943	415	747	2,440	803
20	2,920	3,450	18,200	e947	e375	e512	5,370	1,010	506	693	2,080	818
21	3,350	8,990	13,100	e924	e369	e493	4,970	972	524	678	2,200	715
22	8,570	8,450	9,390	e896	e393	e477	4,270	1,080	512	710	2,780	653
23	7,850	6,380	7,610	e859	e439	e462	3,790	1,040	453	618	2,710	618
24	6,300	5,160	6,610	e824	e461	e457	3,370	1,060	454	1,760	2,310	588
25	5,120	4,490	7,300	e780	e446	e452	2,470	1,830	445	3,610	1,730	553
26	4,270	4,070	13,100	e748	e435	e532	2,730	3,010	437	2,480	1,720	531
27	4,570	3,630	13,000	e642	e420	e1,290	2,920	3,110	443	1,900	997	524
28	13,300	3,310	9,450	e613	e407	3,000	3,210	2,810	412	1,580	773	782
29	16,300	6,140	7,440	e587	e395	3,780	3,130	2,480	371	1,390	708	787
30	22,000	10,400	6,240	e565	---	3,780	2,820	1,870	393	1,190	663	770
31	18,400	---	5,360	e547	---	3,820	---	1,560	---	712	1,260	---
TOTAL	166,407	157,230	219,810	52,488	12,618	33,326	154,090	57,269	25,824	28,714	61,227	39,574
MEAN	5,368	5,241	7,091	1,693	435	1,075	5,136	1,847	861	926	1,975	1,319
MAX	22,000	11,900	23,000	4,770	529	3,820	13,200	3,930	2,250	3,610	10,400	3,310
MIN	947	2,620	1,910	547	369	396	2,470	943	371	351	479	524
CFSM	4.62	4.51	6.10	1.46	0.37	0.93	4.42	1.59	0.74	0.80	1.70	1.14
IN.	5.33	5.03	7.04	1.68	0.40	1.07	4.93	1.83	0.83	0.92	1.96	1.27

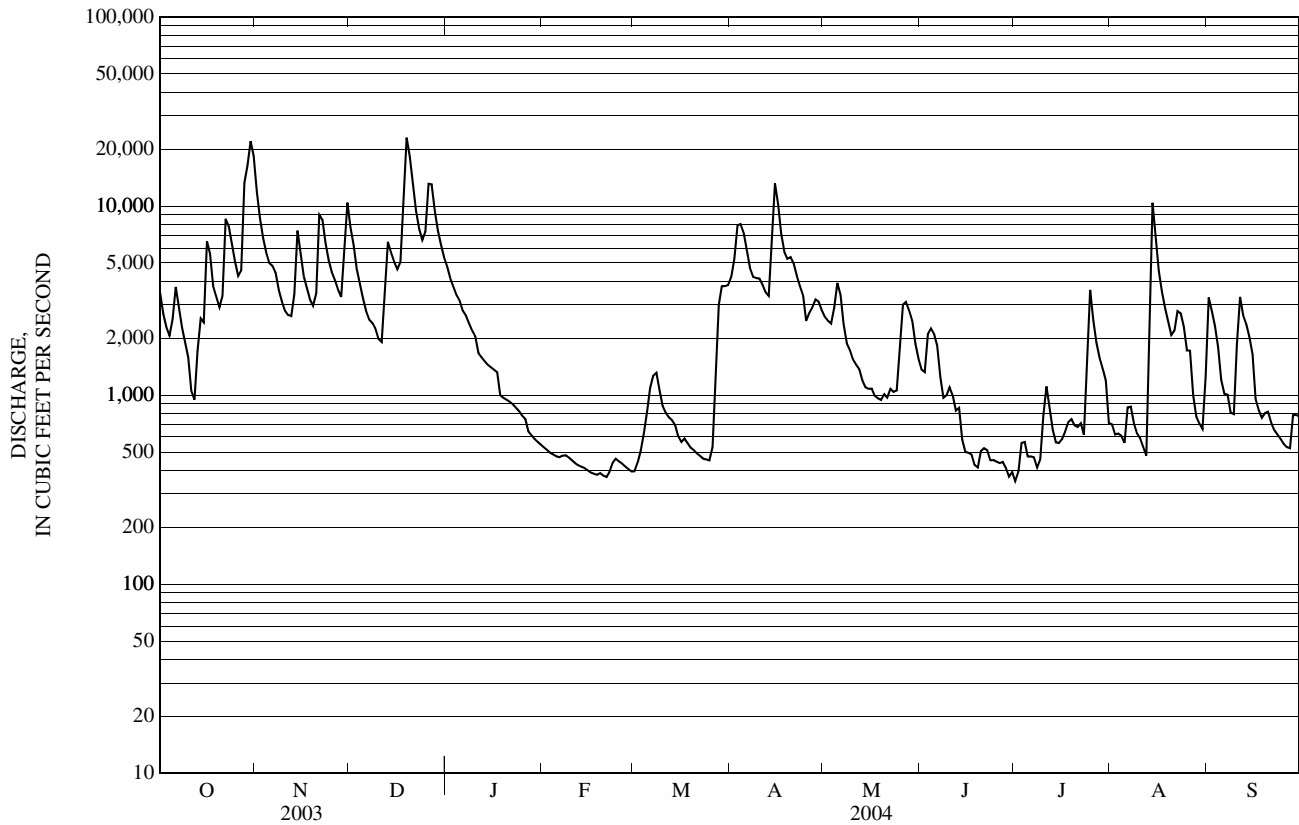
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2004, BY WATER YEAR (WY)

MEAN	1,604	2,625	2,318	1,407	1,359	2,348	7,158	4,631	1,865	1,059	769	913
MAX	6,289	7,672	11,590	4,834	5,659	14,520	12,220	10,920	4,678	5,162	3,686	5,426
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(1993)	(1969)	(1931)	(1996)	(1954)	(1954)
MIN	276	325	363	339	334	513	2,876	1,315	623	249	151	149
(WY)	(1936)	(2002)	(1930)	(1948)	(1980)	(1967)	(1981)	(1999)	(1941)	(1991)	(2001)	(1995)

e Estimated

01034000 PISCATAQUIS RIVER AT MEDFORD, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1924 - 2004	
ANNUAL TOTAL	1,008,743		1,008,577			
ANNUAL MEAN	2,764		2,756		2,338	
HIGHEST ANNUAL MEAN					3,715	
LOWEST ANNUAL MEAN					1,254	
HIGHEST DAILY MEAN	23,000	Dec 19	23,000	Dec 19	52,900	Nov 4, 1966
LOWEST DAILY MEAN	213	Sep 12	351	Jul 1	79	Sep 20, 2001
ANNUAL SEVEN-DAY MINIMUM	228	Sep 10	382	Feb 16	90	Sep 16, 2001
MAXIMUM PEAK FLOW			23,900	Dec 19	60,100	Nov 4, 1966
MAXIMUM PEAK STAGE			10.00	Dec 19	15.58	Nov 4, 1966
INSTANTANEOUS LOW FLOW			310	Jul 2	77	Sep 20, 2001
ANNUAL RUNOFF (CFSM)	2.38		2.37		2.01	
ANNUAL RUNOFF (INCHES)	32.29		32.29		27.33	
10 PERCENT EXCEEDS	6,420		6,480		5,600	
50 PERCENT EXCEEDS	1,390		1,580		1,200	
90 PERCENT EXCEEDS	415		457		416	



01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME

LOCATION.--Lat 45°14'10", long 68°39'05" (corrected), Penobscot County, Hydrologic Unit 01020005, on left bank 20 ft upstream from State Route 6/155 highway bridge, 1,000 ft downstream from Piscataquis River, and at West Enfield.

DRAINAGE AREA.--6,671 mi², including 249 mi² drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--

DISCHARGE: November 1901 to current year. Daily gage height and monthly discharge only for November 1901 to September 1902. Prior to 1904, published as "at Montague."

CHEMICAL ANALYSES: Water years 1966 to 1978.

SPECIFIC CONDUCTANCE: October 1973 to September 1978.

WATER TEMPERATURE: July 1966 to September 1978.

REVISED RECORDS.--WSP 279: 1902-10. WSP 1171: 1940. WSP 1231: 1902-13. WDR ME-81-1: Drainage area. WDR ME-97-1: 1992(M).

GAGE.--Water-stage recorder. Datum of gage is 125.94 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 11, 1912, nonrecording gage 50 ft downstream at same datum. Dec. 11, 1912 to June 24, 1998, water-stage recorder at site 50 ft downstream at same datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 6-19 and Jan. 2 to Apr. 16, which are fair. Flow regulated by many reservoirs above station, combined capacity about 54.336 billion ft³. Telephone and satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 153,000 ft³/s, May 1, 1923, gage height, 25.15 ft; minimum daily discharge, 1,630 ft³/s, Oct. 29, 1905.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60,400 ft³/s, Oct. 31, gage height, 14.15 ft; minimum daily discharge, 3,860 ft³/s, June 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15,000	44,400	26,700	27,100	e6,930	e5,560	e14,800	12,700	8,650	4,060	5,160	10,300
2	12,500	37,800	24,200	e24,000	e6,860	e5,520	e16,700	11,500	8,330	3,970	5,830	9,230
3	11,700	32,800	21,100	e21,000	e6,970	e5,480	e22,900	11,000	9,040	4,320	4,320	9,270
4	11,600	28,400	18,600	e18,800	e6,950	e5,610	e27,600	12,800	9,940	4,420	5,050	8,900
5	12,600	25,100	16,200	e16,900	e6,900	e5,810	e26,700	17,700	9,630	4,360	4,750	8,830
6	15,600	22,600	e14,600	e15,300	e6,800	e6,370	e24,800	18,400	8,790	4,690	4,710	8,960
7	14,100	21,000	e13,500	e13,600	e6,730	e6,970	e21,600	16,300	8,170	4,360	4,760	8,760
8	12,900	19,000	e13,400	e12,300	e6,650	e7,360	e20,100	14,100	7,240	4,310	4,970	8,180
9	10,700	16,700	e12,800	e10,800	e6,610	e7,510	e19,100	12,300	7,120	4,520	4,830	8,910
10	10,200	15,200	e12,400	e10,100	e6,590	e7,360	e18,200	11,100	6,770	5,400	4,670	12,500
11	9,660	14,500	e12,300	e9,920	e6,570	e7,140	e17,400	10,300	6,530	6,750	4,800	16,600
12	9,090	13,600	e16,600	e9,730	e6,530	e7,000	e16,600	9,640	6,020	6,450	4,550	16,300
13	10,600	13,900	e23,200	e9,610	e6,480	e6,820	e16,900	9,230	5,710	5,570	6,280	14,500
14	12,700	21,700	e21,400	e9,550	e6,460	e6,650	e20,400	8,680	5,760	5,170	21,700	13,300
15	12,500	22,200	e18,500	e9,520	e6,420	e5,990	e30,900	8,390	4,960	5,020	20,800	11,800
16	17,200	19,400	e17,000	e9,370	e6,340	e6,240	e33,700	7,560	4,500	5,070	17,600	10,500
17	18,200	17,900	e16,400	e9,110	e6,280	e6,830	30,400	7,830	4,160	5,450	12,900	9,590
18	15,600	16,400	e21,900	e8,770	e6,210	e6,540	27,300	6,840	4,340	5,130	10,600	8,910
19	13,400	15,300	e43,300	e8,630	e6,150	e6,330	25,400	6,790	4,380	5,250	9,550	9,310
20	12,000	16,000	44,400	e8,370	e6,090	e6,140	24,500	6,970	4,310	5,470	8,770	8,650
21	12,900	28,300	38,600	e8,160	e6,040	e5,980	24,300	6,970	3,860	5,440	8,940	8,110
22	22,200	34,000	33,400	e8,100	e5,990	e6,440	22,100	6,500	4,310	5,620	10,200	7,780
23	24,400	30,600	29,300	e8,060	e5,950	e6,340	20,600	6,220	4,240	5,260	9,530	7,500
24	22,500	27,300	27,400	e8,020	e5,900	e6,070	18,900	6,390	4,410	6,190	9,180	7,390
25	20,200	24,600	30,600	e7,870	e5,540	e5,830	16,800	7,550	4,220	9,420	8,310	6,910
26	18,000	22,400	43,400	e7,640	e5,000	e5,850	15,200	11,100	4,380	8,770	7,930	6,760
27	18,700	20,700	48,200	e7,510	e5,730	e7,210	13,100	12,100	4,260	8,170	7,330	6,610
28	30,500	18,900	43,300	e7,410	e5,650	e9,570	13,200	11,700	4,000	7,380	6,730	6,610
29	42,700	20,300	38,200	e7,290	e5,670	e14,200	13,600	11,100	4,140	6,840	6,430	6,450
30	54,600	29,600	33,800	e7,180	---	e13,900	13,600	9,730	4,260	6,420	6,520	5,990
31	55,700	---	29,900	e7,020	---	e13,800	---	9,100	---	5,620	7,630	---
TOTAL	580,250	690,600	804,600	346,740	182,990	224,420	627,400	318,590	176,430	174,870	255,330	283,410
MEAN	18,720	23,020	25,950	11,190	6,310	7,239	20,910	10,280	5,881	5,641	8,236	9,447
MAX	55,700	44,400	48,200	27,100	6,970	14,200	33,700	18,400	9,940	9,420	21,700	16,600
MIN	9,090	13,600	12,300	7,020	5,000	5,480	13,100	6,220	3,860	3,970	4,320	5,990

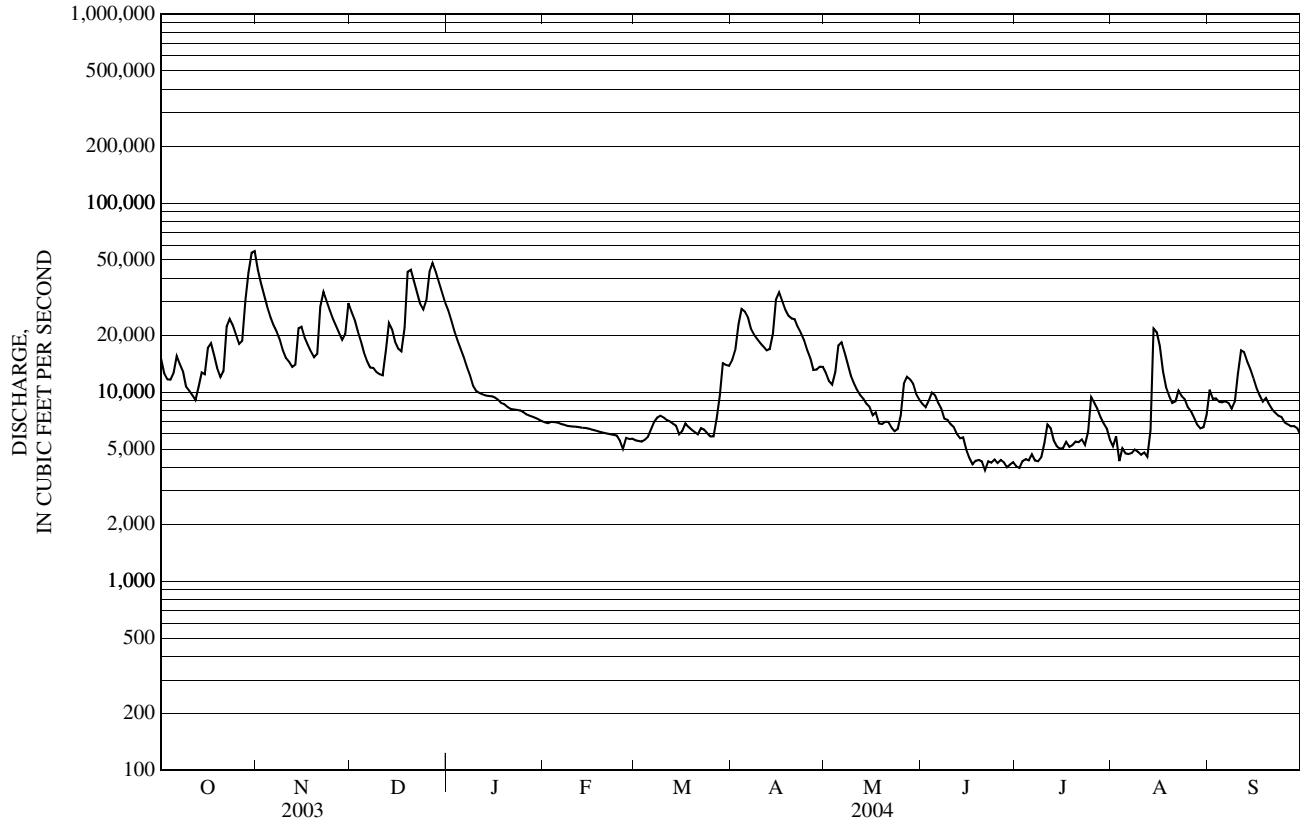
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

	MEAN	11,740	10,670	7,965	7,409	11,040	29,470	23,490	11,580	7,683	6,435	6,599
MAX	28,330	32,430	34,680	19,620	21,960	46,110	51,060	46,430	38,660	24,490	17,460	27,130
(WY)	(1982)	(1964)	(1974)	(1978)	(1970)	(1936)	(2000)	(1974)	(1917)	(1996)	(1976)	(1954)
MIN	2,255	2,629	3,411	2,890	1,799	2,449	14,490	9,163	4,079	4,028	3,229	3,187
(WY)	(1904)	(1906)	(1909)	(1904)	(1904)	(1911)	(1926)	(1999)	(1988)	(1991)	(2001)	(1995)

e Estimated

01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	4,663,860		4,665,630		11,880	
ANNUAL MEAN	12,780		12,750		17,760	
HIGHEST ANNUAL MEAN					6,382	
LOWEST ANNUAL MEAN					1911	
HIGHEST DAILY MEAN	55,700	Oct 31	55,700	Oct 31	152,000	May 1, 1923
LOWEST DAILY MEAN	2,510	Mar 2	3,860	Jun 21	1,630	Oct 29, 1905
ANNUAL SEVEN-DAY MINIMUM	2,730	Feb 25	4,140	Jun 27	1,700	Feb 11, 1904
MAXIMUM PEAK FLOW			60,400	Oct 31	153,000	May 1, 1923
MAXIMUM PEAK STAGE			14.15	Oct 31	25.15	May 1, 1923
10 PERCENT EXCEEDS	29,500		24,900		25,400	
50 PERCENT EXCEEDS	7,950		9,140		7,760	
90 PERCENT EXCEEDS	3,220		5,040		4,520	



01036390 PENOBSCOT RIVER AT EDDINGTON, ME

LOCATION.--Lat 44°49'36", long 68°41'48" (corrected), Penobscot County, Hydrologic Unit 01020005, on left bank 0.4 mi downstream from Veazie Dam at Eddington, on Monument Drive, and 750 ft north of intersection with State Route 178.

DRAINAGE AREA.--7,764 mi², including 249 mi² drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--

GAGE HEIGHT: October 1998 to current year.

DISCHARGE: April 1979 to September 1996.

CHEMICAL ANALYSES: Water years 1979 to August 1994.

SPECIFIC CONDUCTANCE: April 1979 to October 1984, seasonal records November 1984 to September 1994.

pH: April 1979 to October 1984, seasonal records November 1984 to September 1994.

WATER TEMPERATURE: April 1979 to October 1984, seasonal records November 1984 to September 1994.

DISSOLVED OXYGEN: April 1979 to October 1984, seasonal records November 1984 to September 1994.

GAGE.--Water-stage recorder. Datum of gage is 7.20 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by regulation of many reservoirs above station, combined capacity about 54.336 billion ft³. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum gage height, 15.38 ft, Apr. 11, 2000; minimum gage height, 0.46 ft, Aug. 29, 2002.

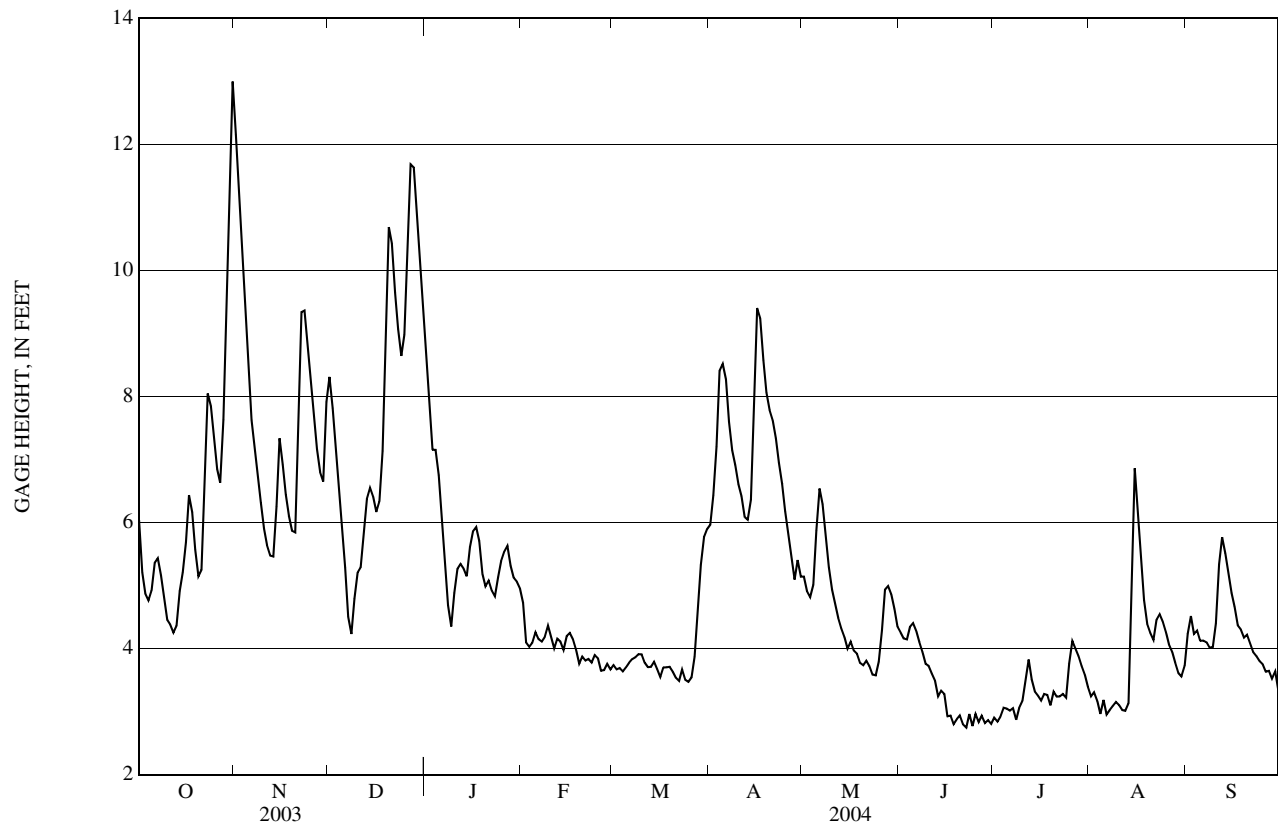
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 23.53 ft, Apr. 3, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.26 ft, Oct. 31; minimum gage height, 1.89 ft, July 9.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.04	12.15	8.31	8.60	4.73	3.74	5.97	5.14	4.25	2.90	3.24	4.23
2	5.21	10.91	7.82	7.80	4.10	3.67	6.43	4.91	4.16	2.84	3.31	4.52
3	4.87	9.94	7.24	7.16	4.03	3.69	7.20	4.82	4.15	2.92	3.17	4.23
4	4.77	9.00	6.59	7.15	4.09	3.64	8.41	5.01	4.34	3.06	2.96	4.29
5	4.92	8.27	5.88	6.75	4.26	3.70	8.52	5.88	4.40	3.05	3.19	4.13
6	5.36	7.62	5.28	6.19	4.15	3.78	8.27	6.54	4.28	3.02	2.95	4.13
7	5.43	7.25	4.50	5.47	4.11	3.83	7.60	6.29	4.10	3.05	3.03	4.10
8	5.16	6.80	4.23	4.69	4.19	3.86	7.14	5.75	3.95	2.87	3.09	4.01
9	4.83	6.32	4.79	4.35	4.36	3.91	6.91	5.29	3.76	3.06	3.15	4.03
10	4.46	5.90	5.21	4.88	4.19	3.91	6.61	4.94	3.73	3.17	3.10	4.40
11	4.38	5.64	5.29	5.27	4.00	3.78	6.42	4.71	3.60	3.48	3.03	5.34
12	4.25	5.48	5.80	5.34	4.15	3.71	6.09	4.49	3.50	3.83	3.01	5.77
13	4.36	5.46	6.37	5.27	4.11	3.71	6.04	4.32	3.24	3.51	3.13	5.51
14	4.91	6.25	6.55	5.15	3.98	3.79	6.36	4.18	3.33	3.32	4.89	5.21
15	5.21	7.34	6.41	5.61	4.20	3.68	8.21	4.00	3.28	3.25	6.86	4.88
16	5.69	6.92	6.17	5.86	4.25	3.55	9.40	4.11	2.93	3.18	6.21	4.66
17	6.43	6.44	6.33	5.93	4.15	3.70	9.24	3.97	2.94	3.28	5.51	4.37
18	6.16	6.10	7.14	5.71	3.99	3.70	8.57	3.92	2.80	3.27	4.77	4.31
19	5.57	5.87	8.90	5.19	3.76	3.71	8.06	3.77	2.88	3.10	4.39	4.18
20	5.14	5.84	10.69	4.99	3.87	3.63	7.78	3.74	2.94	3.32	4.25	4.22
21	5.25	7.30	10.43	5.08	3.81	3.54	7.63	3.81	2.80	3.24	4.14	4.08
22	6.69	9.34	9.65	4.92	3.84	3.49	7.34	3.72	2.75	3.24	4.46	3.94
23	8.05	9.36	9.07	4.83	3.78	3.67	6.95	3.59	2.96	3.28	4.55	3.88
24	7.85	8.67	8.64	5.13	3.90	3.51	6.61	3.58	2.77	3.22	4.43	3.80
25	7.34	8.12	8.98	5.39	3.84	3.47	6.18	3.79	2.97	3.76	4.26	3.75
26	6.85	7.62	10.29	5.54	3.65	3.54	5.82	4.29	2.84	4.12	4.07	3.63
27	6.63	7.16	11.68	5.63	3.66	3.87	5.47	4.94	2.93	4.00	3.95	3.65
28	7.63	6.80	11.63	5.31	3.76	4.53	5.09	4.99	2.82	3.88	3.78	3.52
29	10.34	6.65	10.82	5.13	3.67	5.33	5.41	4.87	2.86	3.73	3.61	3.64
30	11.82	7.91	10.05	5.06	---	5.77	5.14	4.63	2.80	3.59	3.56	3.34
31	13.00	---	9.31	4.96	---	5.89	---	4.35	---	3.40	3.73	---
MEAN	6.28	7.48	7.74	5.62	4.02	3.91	7.03	4.59	3.37	3.32	3.93	4.26
MAX	13.00	12.15	11.68	8.60	4.73	5.89	9.40	6.54	4.40	4.12	6.86	5.77
MIN	4.25	5.46	4.23	4.35	3.65	3.47	5.09	3.58	2.75	2.84	2.95	3.34

01036390 PENOBSCOT RIVER AT EDDINGTON, ME—Continued



01037380 DUCKTRAP RIVER NEAR LINCOLNVILLE, ME

LOCATION.--Lat 44°19'45", long 69°03'39" (corrected), Waldo County, 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

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, and flows below 6 ft³/s, periods of ice effect, Dec. 4-5, 12, 14-17, 21, Jan. 7 to Mar. 7, Mar. 11, 23-26, periods of no gage-height record, Feb. 11-12, June 22 to July 16, and periods of doubtful stage-discharge relation, Oct. 20 and Apr. 15, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 650 ft³/s, Jan. 15, 1999, gage height, 5.47 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 maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 18	0515	*381	*4.59				
						No peaks greater than base discharge.	

Minimum discharge, 1.2 ft³/s, Oct. 2, gage height, 1.49 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	65	67	51	e4.8	e4.1	64	29	34	e4.5	9.0	32
2	1.4	54	55	44	e4.8	e4.3	115	27	32	e22	11	20
3	2.0	49	40	45	e4.6	e6.9	133	30	33	e35	11	16
4	2.0	48	e33	49	e9.5	e9.9	108	79	30	e29	14	15
5	4.1	43	e30	43	e7.7	e8.5	97	58	24	e24	12	12
6	3.3	45	29	38	e7.1	e19	80	48	21	e20	9.7	9.5
7	2.4	38	32	e31	e6.6	e21	68	41	19	e17	8.0	7.6
8	2.2	32	30	e28	e6.2	16	61	34	17	e16	8.0	6.2
9	2.0	27	27	e24	e5.7	11	54	28	15	e18	7.1	16
10	1.8	24	25	e21	e5.6	9.4	49	25	13	e17	5.5	23
11	1.7	22	63	e19	e5.6	e9.0	42	26	10	e17	4.6	13
12	1.6	23	e186	e17	e5.3	12	38	23	8.0	e15	4.7	10
13	4.2	62	137	e16	e5.0	16	42	20	6.4	e13	6.7	8.7
14	3.2	56	e139	e15	e4.9	13	123	17	5.5	e12	11	7.0
15	33	42	e128	e13	e4.7	15	e141	15	5.8	e17	8.9	5.5
16	31	34	e106	e11	e4.1	15	108	45	5.1	e16	7.7	5.2
17	20	30	e79	e10	e4.0	12	86	40	4.2	21	7.4	5.1
18	18	27	253	e11	e3.9	11	72	37	3.3	21	5.9	24
19	16	26	157	e9.9	e3.9	10	63	63	4.2	16	5.1	26
20	e14	62	119	e8.4	e3.8	10	56	46	4.8	14	4.9	17
21	21	103	e91	e7.8	e3.8	12	47	37	3.5	11	42	13
22	26	77	74	e7.2	e4.3	15	41	36	e3.1	10	65	11
23	25	64	62	e6.8	e4.7	e13	37	48	e3.7	9.0	42	9.9
24	25	55	71	e6.2	e4.6	e12	33	65	e3.5	19	33	8.2
25	22	49	164	e5.9	e4.5	e14	29	100	e3.3	15	25	7.5
26	20	42	158	e5.8	e4.4	e28	30	94	e5.0	11	20	7.3
27	46	36	121	e5.8	e4.3	102	40	82	e8.2	9.8	16	6.3
28	98	34	94	e5.7	e4.3	78	43	73	e6.4	13	14	5.3
29	115	118	76	e5.4	e4.2	62	36	68	e5.6	13	12	5.2
30	104	82	66	e5.1	---	54	32	51	e5.0	12	11	4.7
31	79	---	60	e5.0	---	52	---	40	---	10	47	---
TOTAL	746.7	1,469	2,772	571.0	146.9	675.1	1,968	1,425	342.6	497.3	489.2	357.2
MEAN	24.1	49.0	89.4	18.4	5.07	21.8	65.6	46.0	11.4	16.0	15.8	11.9
MAX	115	118	253	51	9.5	102	141	100	34	35	65	32
MIN	1.4	22	25	5.0	3.8	4.1	29	15	3.1	4.5	4.6	4.7
CFSM	1.67	3.40	6.21	1.28	0.35	1.51	4.56	3.19	0.79	1.11	1.10	0.83
IN.	1.93	3.79	7.16	1.48	0.38	1.74	5.08	3.68	0.89	1.28	1.26	0.92

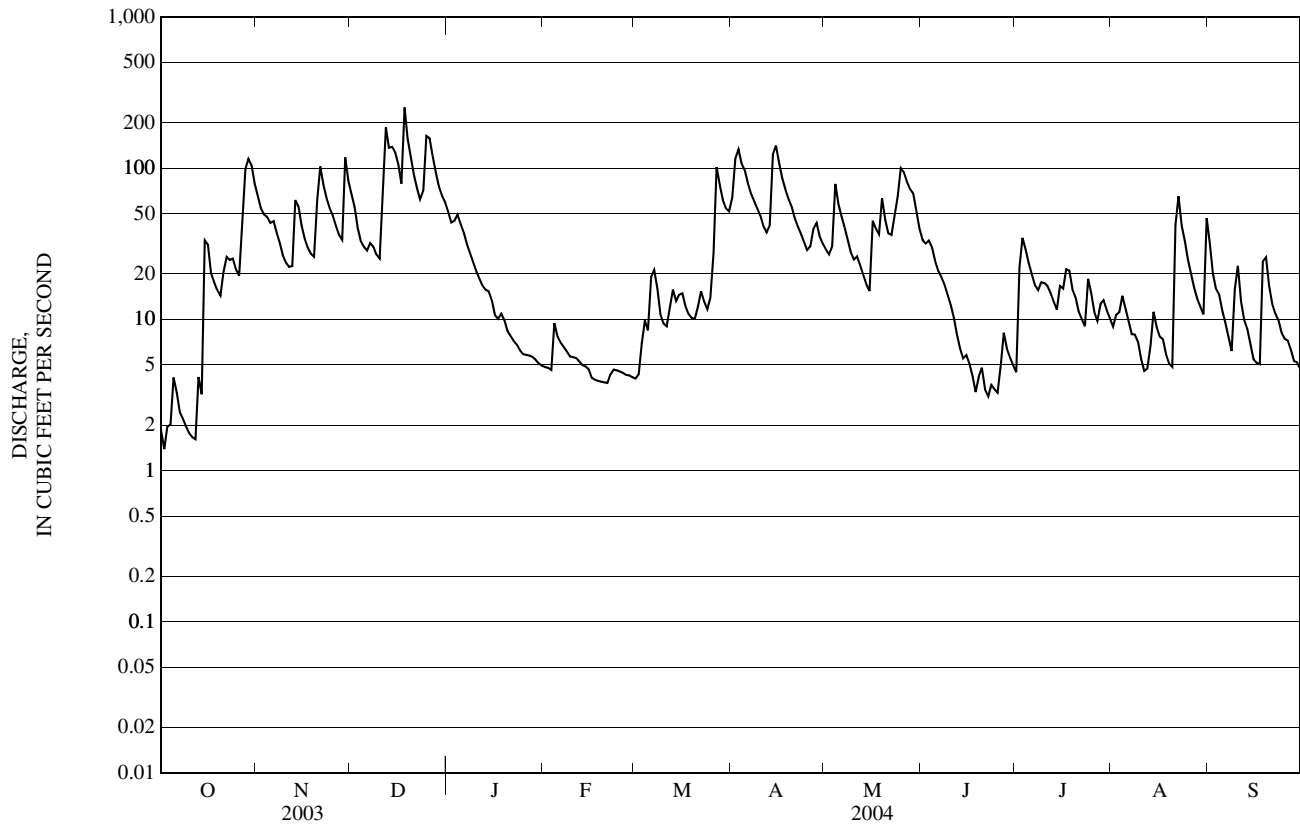
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)
1998	10.5	28.4	0.07	(2000)
1999	27.3	49.0	0.37	(2002)
2000	38.3	89.4	3.21	(2004)
2001	31.2	117	7.84	(1999)
2002	23.2	57.8	5.07	(2004)
2003	60.6	103	21.8	(2004)
2004	64.7	109	28.4	(1999)
2005	30.3	46.0	11.4	(2001)
2006	12.8	19.5	8.32	(2003)
2007	5.46	16.0	0.91	(2004)
2008	2.64	15.8	0.01	(2004)
2009	2.49	11.9	0.07	(2001)

e Estimated

01037380 DUCKTRAP RIVER NEAR LINCOLNVILLE, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1998 - 2004	
ANNUAL TOTAL	10,259.55		11,460.0		25.8	
ANNUAL MEAN	28.1		31.3		31.9	
HIGHEST ANNUAL MEAN					18.4	
LOWEST ANNUAL MEAN					0.00	
HIGHEST DAILY MEAN	253	Dec 18	253	Dec 18	354	Jan 16, 1999
LOWEST DAILY MEAN	0.02	Aug 31	1.4	Oct 2	0.00	Aug 17, 2001
ANNUAL SEVEN-DAY MINIMUM	0.03	Aug 28	2.1	Oct 6	0.00	Aug 17, 2001
MAXIMUM PEAK FLOW			381	Dec 18	650	Jan 15, 1999
MAXIMUM PEAK STAGE			4.59	Dec 18	5.82	Jan 15, 1999
INSTANTANEOUS LOW FLOW			1.2	Oct 2	0.00	Aug 17, 2001
ANNUAL RUNOFF (CFSM)	1.95		2.17		1.79	
ANNUAL RUNOFF (INCHES)	26.50		29.61		24.30	
10 PERCENT EXCEEDS	73		77		69	
50 PERCENT EXCEEDS	17		17		12	
90 PERCENT EXCEEDS	0.32		4.5		0.12	



01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME

LOCATION.--Lat 44°13'22", long 69°35'38" (corrected), Lincoln County, Hydrologic Unit 01050003, on left bank 50 ft upstream from State Route 126 highway bridge at North Whitefield, at mouth of Finn Brook, and 0.3 mi east of North Whitefield village.

DRAINAGE AREA.--145 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1938 to current year.

CHEMICAL ANALYSES: Water years 1954-56.

SPECIFIC CONDUCTANCE: July 1974 to September 1976.

WATER TEMPERATURE: October 1957 to September 1971, July 1974 to September 1976.

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

GAGE.--Water-stage recorder. Datum of gage is 101.05 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for period of ice effect, Jan. 8 to Mar. 25, and period of no gage-height record, Aug. 27-30, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,350 ft³/s, Apr. 1, 1987, gage height, 13.71 ft; minimum discharge, 5.0 ft³/s, Oct. 24, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	0245	1,150	5.15	Dec 26	0545	1,200	5.24
Dec 18	1430	*1,700	*6.09				

Minimum daily discharge, 26 ft³/s, Feb. 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	878	530	604	e41	e39	378	272	301	45	85	158
2	53	791	499	521	e39	e38	511	257	280	47	184	130
3	50	720	438	484	e38	e45	676	258	276	134	124	109
4	53	670	401	459	e60	e58	578	481	254	93	104	98
5	109	603	350	422	e55	e55	596	507	223	76	91	87
6	95	592	313	387	e48	e74	566	448	198	70	81	78
7	76	522	306	344	e45	e84	532	403	181	65	72	72
8	67	464	300	e302	e43	e74	488	345	166	60	65	66
9	62	413	289	e253	e41	e65	449	317	152	68	62	83
10	57	373	270	e219	e39	e61	414	295	138	74	58	286
11	53	343	327	e186	e38	e63	381	287	123	81	55	216
12	51	326	811	e162	e36	e71	352	271	109	74	58	105
13	159	378	683	e144	e34	e86	356	250	96	66	246	95
14	129	414	638	e129	e32	e83	867	227	86	63	279	87
15	320	369	644	e116	e31	e84	1,010	210	78	61	243	80
16	408	352	623	e106	e30	e89	959	322	71	60	265	81
17	287	332	599	e95	e29	e84	855	347	65	58	274	83
18	282	312	1,550	e87	e28	e80	754	291	60	55	261	125
19	268	296	1,430	e80	e27	e77	667	346	58	56	236	193
20	247	438	1,340	e75	e26	e75	589	324	66	56	211	147
21	275	603	1,140	e70	e27	e84	516	292	60	54	245	130
22	355	540	872	e65	e48	e98	457	278	54	53	353	122
23	315	525	757	e61	e52	e93	416	310	51	56	292	116
24	307	509	685	e58	e49	e90	375	377	48	60	274	110
25	292	490	954	e55	e46	e94	338	488	45	59	247	101
26	272	456	1,170	e52	e44	134	317	481	48	53	217	97
27	343	419	1,070	e50	e42	329	336	459	51	48	e191	92
28	577	391	994	e48	e41	387	343	451	48	118	e169	87
29	792	653	926	e46	e40	345	312	473	48	126	e152	86
30	1,100	600	868	e44	---	343	290	420	48	98	e140	81
31	952	---	713	e42	---	343	---	351	---	89	142	---
TOTAL	8,466	14,772	22,490	5,766	1,149	3,725	15,678	10,838	3,482	2,176	5,476	3,401
MEAN	273	492	725	186	39.6	120	523	350	116	70.2	177	113
MAX	1,100	878	1,550	604	60	387	1,010	507	301	134	353	286
MIN	50	296	270	42	26	38	290	210	45	45	55	66
CFSM	1.88	3.40	5.00	1.28	0.27	0.83	3.60	2.41	0.80	0.48	1.22	0.78
IN.	2.17	3.79	5.77	1.48	0.29	0.96	4.02	2.78	0.89	0.56	1.40	0.87

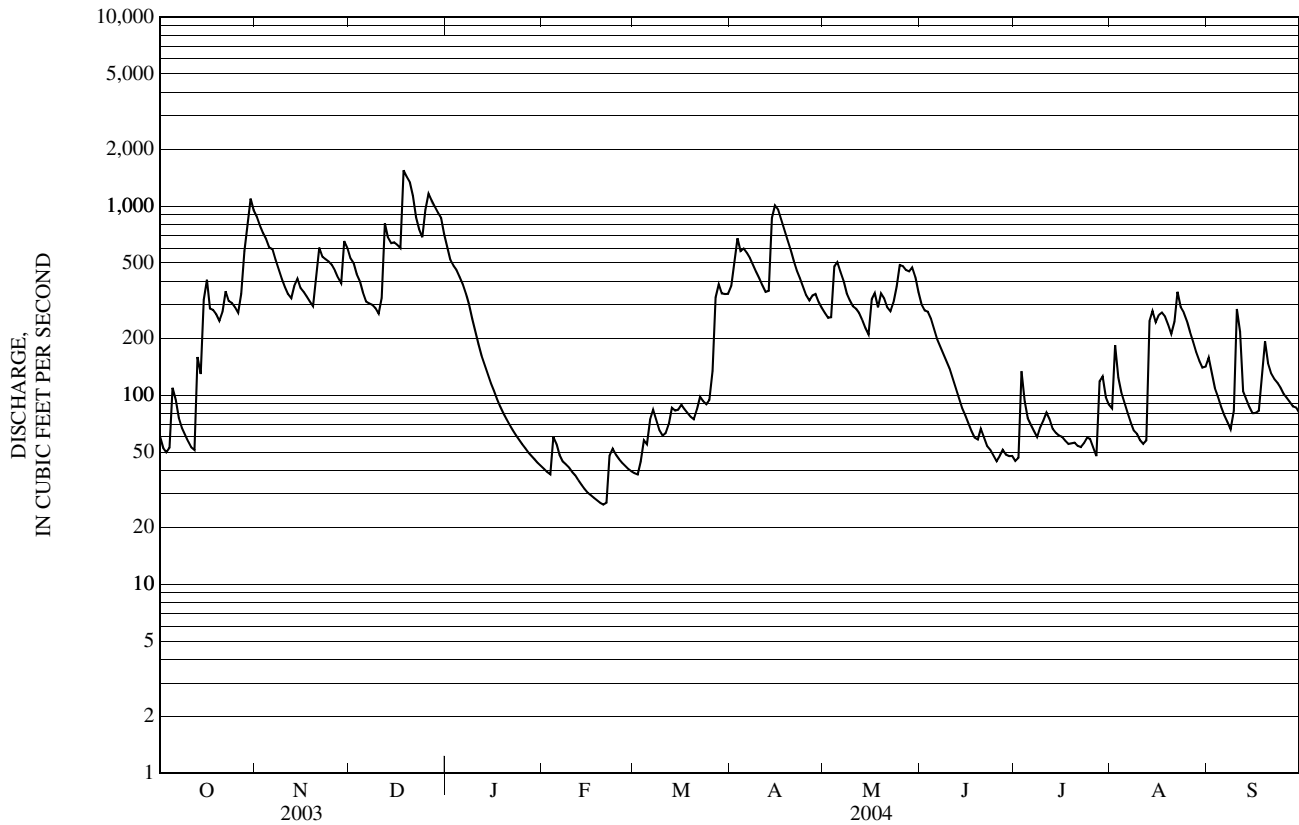
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	88.7	243	325	230	229	444	732	340	165	73.9	48.3	51.6
MAX	658	664	1,393	677	922	1,103	1,333	776	774	466	245	708
(WY)	(1978)	(1991)	(1974)	(1999)	(1970)	(1979)	(1940)	(1989)	(1984)	(1973)	(1976)	(1954)
MIN	6.75	18.3	31.7	28.5	35.8	87.9	255	101	45.1	18.1	13.0	8.64
(WY)	(1942)	(2002)	(1979)	(1948)	(1948)	(1967)	(1985)	(1999)	(1985)	(1965)	(2001)	(1957)

e Estimated

01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	97,502		97,419		247	
ANNUAL MEAN	267		266		427	
HIGHEST ANNUAL MEAN					115	
LOWEST ANNUAL MEAN					6,690	
HIGHEST DAILY MEAN	1,810	Mar 31	1,550	Dec 18	7,350	Apr 1, 1987
LOWEST DAILY MEAN	13	Sep 3	26	Feb 20	5.1	Oct 24, 1941
ANNUAL SEVEN-DAY MINIMUM	14	Aug 28	28	Feb 15	5.5	Oct 18, 1941
MAXIMUM PEAK FLOW			1,700	Dec 18	13.71	Apr 1, 1987
MAXIMUM PEAK STAGE			6.09	Dec 18	5.0	Oct 24, 1941
INSTANTANEOUS LOW FLOW					1.70	
ANNUAL RUNOFF (CFSM)	1.84		1.84		23.16	
ANNUAL RUNOFF (INCHES)	25.01		24.99		621	
10 PERCENT EXCEEDS	677		603		128	
50 PERCENT EXCEEDS	159		164		23	
90 PERCENT EXCEEDS	23		48			



01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--

CHEMICAL ANALYSES: Water years 1954-56.

SPECIFIC CONDUCTANCE: July 1974 to September 1976.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: October 1957 to September 1971, July 1974 to September 1976, June 2004 to September 2004.

REMARKS.--Records good. Satellite telemeter at station.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 31.5 C, Aug. 2, 1975: minimum, 0.0 C on many days during winter periods.

EXTREMES FOR CURRENT YEAR.-- Will be automated and checked against the daily value tables. If you want to write the values in here then we can check them against the daily value tables and what is automatically generated. EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 27.3°C, July 22; minimum, 0.1°C, on many days.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

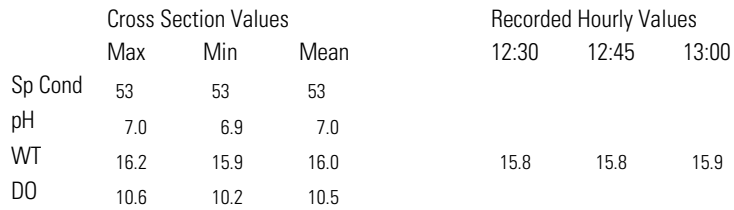
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	0.9	0.3	0.6
8	---	---	---	---	---	---	---	---	---	0.3	0.1	0.2
9	---	---	---	---	---	---	---	---	---	0.4	0.2	0.2
10	---	---	---	---	---	---	---	---	---	0.5	0.2	0.3
11	---	---	---	---	---	---	---	---	---	0.5	0.1	0.3
12	---	---	---	---	---	---	---	---	---	0.7	0.4	0.5
13	---	---	---	---	---	---	---	---	---	0.7	0.1	0.4
14	---	---	---	---	---	---	---	---	---	0.2	0.1	0.1
15	---	---	---	---	---	---	---	---	---	0.4	0.1	0.1
16	---	---	---	---	---	---	---	---	---	0.2	0.1	0.1
17	---	---	---	---	---	---	---	---	---	0.8	0.1	0.3
18	---	---	---	---	---	---	---	---	---	0.4	0.1	0.2
19	---	---	---	---	---	---	---	---	---	0.6	0.1	0.2
20	---	---	---	---	---	---	---	---	---	0.4	0.2	0.2
21	---	---	---	---	---	---	---	---	---	0.4	0.1	0.2
22	---	---	---	---	---	---	---	---	---	0.4	0.2	0.2
23	---	---	---	---	---	---	---	---	---	0.5	0.1	0.3
24	---	---	---	---	---	---	---	---	---	0.6	0.1	0.2
25	---	---	---	---	---	---	---	---	---	0.3	0.1	0.2
26	---	---	---	---	---	---	---	---	---	0.3	0.1	0.2
27	---	---	---	---	---	---	---	---	---	0.3	0.1	0.2
28	---	---	---	---	---	---	---	---	---	0.2	0.2	0.2
29	---	---	---	---	---	---	---	---	---	0.3	0.2	0.2
30	---	---	---	---	---	---	---	---	---	0.2	0.2	0.2
31	---	---	---	---	---	---	---	---	---	0.3	0.1	0.2
MONTH	---	---	---	---	---	---	---	---	---	0.9	0.1	0.2

01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME--Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.2	0.1	0.2	0.3	0.2	0.2	4.2	3.8	4.0	16.1	11.8	13.5
2	0.3	0.2	0.2	0.4	0.2	0.2	3.9	2.3	3.2	17.3	13.6	15.1
3	0.2	0.2	0.2	0.6	0.2	0.2	3.0	2.2	2.6	15.4	14.6	15.2
4	0.3	0.1	0.2	0.5	0.2	0.3	3.9	3.0	3.4	14.6	12.0	13.3
5	0.3	0.1	0.2	0.4	0.3	0.3	3.9	3.0	3.5	13.3	11.0	12.2
6	0.3	0.1	0.2	0.4	0.3	0.4	5.0	2.6	3.8	15.0	12.1	13.5
7	0.2	0.1	0.2	0.8	0.2	0.4	5.7	3.1	4.4	16.6	13.6	14.9
8	0.3	0.1	0.2	0.6	0.2	0.4	6.2	3.6	5.0	15.8	13.4	14.6
9	0.3	0.1	0.2	1.0	0.1	0.5	6.3	4.2	5.3	16.5	14.0	15.0
10	0.2	0.1	0.2	1.3	0.5	0.8	6.2	4.5	5.3	16.1	13.9	14.8
11	0.3	0.1	0.2	1.6	0.6	1.1	5.7	4.4	5.1	17.5	14.3	15.5
12	0.2	0.1	0.2	2.5	1.2	1.8	7.0	4.4	5.5	20.1	15.7	17.6
13	0.2	0.1	0.2	2.4	0.9	1.5	6.1	5.1	5.6	19.6	16.7	17.9
14	0.2	0.1	0.2	2.2	0.5	1.4	5.4	4.5	4.9	18.7	15.8	16.9
15	0.3	0.1	0.2	2.9	1.4	2.1	5.4	4.5	4.9	20.9	16.0	18.1
16	0.2	0.1	0.2	2.2	1.2	1.8	5.3	4.2	4.7	19.3	17.6	18.3
17	0.2	0.1	0.2	2.5	0.8	1.7	6.5	3.9	5.2	20.1	16.9	18.2
18	0.2	0.1	0.2	2.6	0.9	1.8	7.9	5.4	6.7	18.3	16.9	17.3
19	0.3	0.1	0.2	2.9	1.2	2.1	9.6	7.1	8.4	18.8	16.5	17.4
20	0.2	0.1	0.2	2.9	1.1	2.1	10.9	8.5	9.7	19.9	16.6	18.1
21	0.2	0.1	0.2	3.4	1.7	2.6	10.2	8.7	9.5	20.4	17.4	18.6
22	0.2	0.1	0.1	2.8	1.1	1.8	10.8	9.0	9.7	18.7	16.4	17.5
23	0.2	0.1	0.1	2.7	0.5	1.6	10.5	9.4	9.9	16.4	15.3	15.8
24	0.2	0.1	0.1	3.8	1.3	2.6	10.4	8.8	9.5	15.3	13.9	14.7
25	0.2	0.1	0.1	3.3	2.1	2.9	9.9	7.6	8.6	13.9	13.4	13.6
26	0.2	0.1	0.2	3.1	2.3	2.6	8.7	8.0	8.5	13.4	12.7	13.0
27	0.2	0.1	0.2	2.3	1.1	1.6	9.8	7.8	8.5	15.7	12.5	13.8
28	0.2	0.1	0.2	2.9	1.0	1.7	10.9	8.8	9.6	15.3	13.9	14.5
29	0.2	0.1	0.2	3.8	1.3	2.3	11.2	8.9	9.9	15.5	13.1	14.3
30	---	---	---	4.6	2.2	3.1	13.9	9.9	11.6	16.6	13.6	15.0
31	---	---	---	4.5	3.1	3.7	---	---	---	17.4	14.3	15.7
MONTH	0.3	0.1	0.2	4.6	0.1	1.5	13.9	2.2	6.5	20.9	11.0	15.6

Cross section was performed on Sept. 21, 2004, from 12:40pm to 12:55pm,
with field parameters displayed in the following order:
SPECIFIC CONDUCTANCE (microsiemens/cm)
pH (standard units)
WATER TEMPERATURE: (degrees Celsius)
DISSOLVED OXYGEN: (mg/L)



01042500 KENNEBEC RIVER AT THE FORKS, ME

LOCATION.--Lat 45°20'23", long 69°57'43" (corrected), Somerset County, Hydrologic Unit 01030001, on right bank at The Forks, 0.4 mi upstream from U.S. Route 201 highway bridge, and 0.7 mi upstream from Dead River.

DRAINAGE AREA.--1,590 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1901 to current year. Prior to Oct. 1903 monthly discharge only, published in WSP 1302.

CHEMICAL ANALYSES: Water years 1952-53.

REVISED RECORDS.--WSP 1231: 1902-04, 1906-08, 1912, 1914, 1919-20(M), 1923(M), 1926(M), 1928-29(M), 1936(M), 1938(M). WSP 1301: 1928-35 (adjusted monthly runoff). WDR ME-82-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 569.03 ft above National Geodetic Vertical Datum of 1929. Prior to June 21, 1912, nonrecording gage, and June 21, 1912 to Oct. 17, 1919, water-stage recorder and nonrecording gage at highway bridge 0.4 mi downstream at different datum.

REMARKS.--Records good, except for period of ice effect, Jan. 7 to Feb. 2, which is fair. Flow regulated by Moosehead Lake, Brassua Lake, and Indian Pond, combined capacity about 32.98 billion ft³. Considerable diurnal fluctuation caused by powerplant above station. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 452025069574701). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,900 ft³/s, Apr. 18, 1983, gage height, 14.41 ft; minimum daily discharge, 161 ft³/s, Aug. 30, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,700 ft³/s, Dec. 19, gage height, 7.46 ft; minimum daily discharge, 726 ft³/s, Apr. 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,240	3,740	4,140	6,640	e4,650	3,470	1,600	1,440	1,260	1,680	974	3,680
2	1,840	2,910	4,910	6,680	e4,600	3,270	1,820	1,350	1,330	1,670	1,990	3,710
3	1,890	2,120	3,730	6,600	4,820	3,330	2,550	1,320	1,350	1,090	1,480	3,330
4	1,380	3,070	2,640	6,860	4,600	2,930	2,870	1,430	1,310	948	1,450	3,890
5	2,110	3,210	3,530	5,790	4,640	3,100	2,310	1,320	1,060	1,750	1,430	2,840
6	2,470	2,250	1,890	4,420	4,690	3,140	1,760	1,320	974	1,690	1,460	3,300
7	2,480	2,730	2,280	e2,410	4,750	3,130	1,640	1,290	975	863	1,360	3,660
8	2,170	2,360	5,110	e3,220	4,730	3,160	1,850	1,210	1,630	1,690	1,360	3,240
9	2,890	2,290	4,080	e5,940	4,720	3,220	2,300	1,160	1,610	1,410	2,050	2,640
10	2,560	2,700	4,170	e6,860	4,930	3,730	2,120	1,130	1,160	1,430	2,030	3,590
11	2,040	4,180	5,320	e6,270	4,970	4,000	2,080	1,090	1,450	1,310	1,450	2,100
12	2,040	2,820	5,610	e5,780	4,610	3,770	2,010	1,070	918	1,670	1,570	1,580
13	2,260	2,400	5,590	e4,990	4,680	4,240	2,040	1,320	1,110	900	3,260	2,400
14	2,040	1,710	5,340	e5,150	4,440	3,830	2,410	2,200	1,520	856	2,590	3,120
15	2,020	1,740	5,530	e5,360	4,630	3,600	2,600	1,100	1,530	1,690	1,890	3,770
16	874	1,670	6,450	e5,600	5,030	3,140	3,380	1,010	1,480	2,560	2,670	3,850
17	1,270	2,660	6,470	e5,770	4,930	3,430	3,120	999	1,930	1,650	1,630	3,780
18	1,330	1,980	8,750	e5,550	4,160	3,890	3,230	1,010	1,920	1,450	2,160	3,140
19	926	1,940	11,200	e5,380	3,990	3,800	3,000	1,030	1,630	1,350	2,750	3,280
20	2,060	1,600	11,200	e5,390	3,880	2,570	2,880	1,260	912	991	3,030	3,630
21	1,570	2,760	10,800	e5,440	4,100	2,490	1,620	1,040	1,500	1,480	2,610	2,760
22	1,340	3,790	10,600	e5,080	4,110	2,470	1,740	946	1,520	1,810	2,900	3,700
23	1,940	3,180	10,400	e5,060	4,100	2,480	1,970	946	889	1,300	3,320	3,770
24	1,990	3,050	10,400	e4,820	4,240	2,470	3,250	983	1,490	1,730	1,990	3,400
25	1,700	1,550	10,700	e4,820	4,620	3,130	2,250	1,160	1,490	2,150	2,980	3,420
26	1,920	2,320	10,200	e4,830	4,590	2,600	2,250	1,290	1,080	1,630	3,110	3,180
27	3,560	2,240	9,190	e4,830	4,430	1,810	1,780	1,270	1,430	1,350	3,030	3,440
28	3,890	2,210	8,830	e4,830	3,820	1,750	1,570	1,440	1,540	1,910	3,300	3,060
29	4,470	1,880	8,020	e4,680	3,800	1,690	1,170	1,290	1,710	1,580	3,040	3,320
30	5,780	4,180	7,460	e4,680	---	1,450	726	1,060	1,680	1,580	3,140	3,040
31	4,880	---	6,890	e4,650	---	1,500	---	1,030	---	1,150	3,420	---
TOTAL	70,930	77,240	211,430	164,380	130,260	92,590	65,896	37,514	41,388	46,318	71,424	97,620
MEAN	2,288	2,575	6,820	5,303	4,492	2,987	2,197	1,210	1,380	1,494	2,304	3,254
MAX	5,780	4,180	11,200	6,860	5,030	4,240	3,380	2,200	1,930	2,560	3,420	3,890
MIN	874	1,550	1,890	2,410	3,800	1,450	726	946	889	856	974	1,580

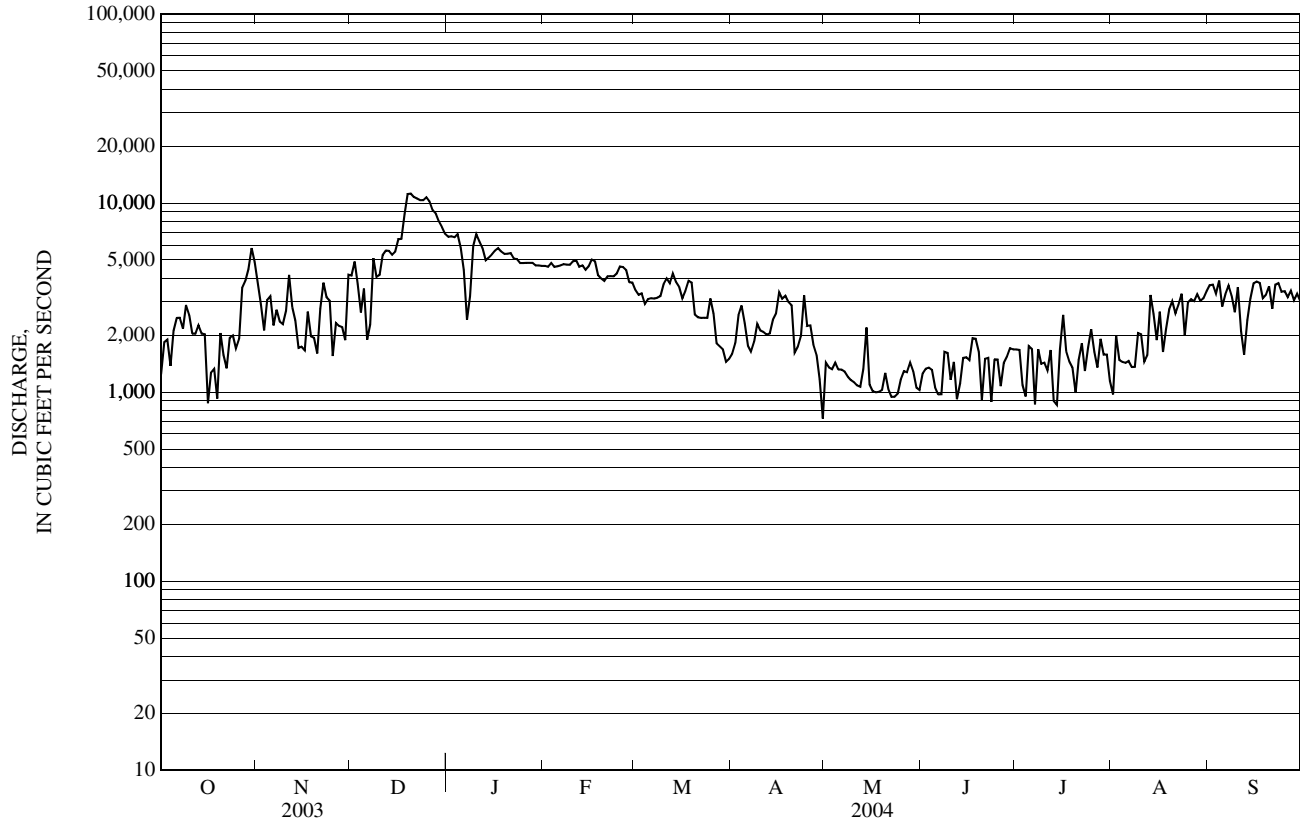
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2004, BY WATER YEAR (WY)

MEAN	1,986	1,802	2,088	2,341	2,576	2,361	2,940	4,623	3,294	2,653	2,395	2,271
MAX	6,298	5,317	8,142	5,569	5,454	7,981	9,488	13,520	10,380	6,403	4,740	5,511
(WY)	(1955)	(1908)	(1974)	(1970)	(1996)	(1996)	(1983)	(1974)	(1917)	(1996)	(1917)	(1954)
MIN	864	487	655	669	522	466	860	699	664	775	1,083	1,053
(WY)	(1906)	(1912)	(1909)	(1904)	(1904)	(1906)	(1980)	(1980)	(1988)	(1988)	(1987)	(1987)

e Estimated

01042500 KENNEBEC RIVER AT THE FORKS, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1904 - 2004	
ANNUAL TOTAL	854,896		1,106,990		2,611	
ANNUAL MEAN	2,342		3,025		4,701	
HIGHEST ANNUAL MEAN					1,516	
LOWEST ANNUAL MEAN					28,200	
HIGHEST DAILY MEAN	11,200	Dec 19	11,200	Dec 19	161	Jun 1, 1984
LOWEST DAILY MEAN	524	Jan 11	726	Apr 30	314	Aug 30, 1987
ANNUAL SEVEN-DAY MINIMUM	766	Jan 8	1,030	May 18	32,900	Jan 6, 1909
MAXIMUM PEAK FLOW			11,700	Dec 19	14,41	Apr 18, 1983
MAXIMUM PEAK STAGE			7.46	Dec 19	4,370	
10 PERCENT EXCEEDS	3,970		5,350		2,230	
50 PERCENT EXCEEDS	1,880		2,520		881	
90 PERCENT EXCEEDS	1,040		1,170			



01044550 SPENCER STREAM AT MOUTH, NEAR GRAND FALLS, ME

LOCATION.--Lat 45°18'07", long 70°13'26" (corrected), Somerset County, Hydrologic Unit 01030002, on left bank, in Township T3R5 BKP WKR, 0.2 mi above mouth, and 0.5 mi north of Grand Falls.

DRAINAGE AREA.--194 mi².

PERIOD OF RECORD.--

DISCHARGE: August 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1000 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, including periods of backwater from the Dead River, Oct. 4, May 8, 15, 30, June 5, 12, 20, 26, July 3, 10, 31, Aug. 1, and Sept. 5, 18, except for periods of ice effect, Nov. 16-19, Dec. 2-18, and Dec. 28 to Apr. 13, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,500 ft³/s, May 11, 2000, gage height, 7.24 ft; maximum gage height, 9.14 ft, Dec. 20, 2000 (backwater from ice); minimum discharge, 8.7 ft³/s, Sept. 10-11, 2002, gage height, 0.97 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 19	1100	*3,240	*5.80			No peak greater than base discharge.	

Minimum discharge, 64 ft³/s, Oct. 4, gage height, 1.50 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	943	761	e585	e185	e136	e603	996	326	82	e174	377
2	71	687	e576	e542	e181	e132	e884	996	451	108	214	275
3	68	566	e457	e500	e180	e130	e1,220	956	624	e131	174	226
4	e73	512	e394	e467	e187	e138	e1,100	1,000	447	100	186	201
5	312	498	e357	e437	e190	e135	e926	977	e352	86	172	e183
6	237	814	e329	e408	e185	e146	e765	789	298	81	145	166
7	170	715	e311	e384	e179	e169	e578	664	273	78	139	156
8	138	555	e347	e362	e179	e223	e568	e573	256	76	174	150
9	117	440	e343	e344	e181	e177	e598	479	234	114	173	217
10	105	407	e339	e329	e182	e152	e585	432	215	e266	146	712
11	96	382	e378	e314	e176	e144	e525	420	193	214	129	601
12	88	368	e533	e303	e170	e142	e475	423	e173	161	195	385
13	83	576	e769	e290	e164	e142	e500	396	160	139	827	292
14	78	959	e621	e279	e158	e140	1,130	388	151	122	1,520	241
15	109	652	e559	e270	e154	e127	1,690	e365	147	139	1,120	211
16	390	e498	e581	e263	e148	e121	1,380	347	144	252	578	193
17	268	e416	e689	e257	e145	e115	1,170	310	130	276	639	184
18	200	e379	e1,810	e253	e145	e110	1,430	283	120	265	490	e177
19	164	e366	3,020	e250	e143	e107	1,700	333	132	228	379	161
20	143	1,160	2,700	e247	e138	e102	2,660	295	e170	228	363	148
21	188	2,430	1,920	e243	e135	e99	1,990	266	134	212	377	139
22	419	1,410	1,280	e240	e143	e97	1,360	246	117	175	626	131
23	340	937	1,030	e239	e151	e95	1,370	234	120	185	419	124
24	275	716	937	e235	e147	e94	1,140	277	116	690	328	116
25	232	625	1,160	e224	e143	e93	969	803	107	454	273	113
26	215	549	1,620	e217	e138	e102	865	818	e109	297	240	121
27	771	494	1,390	e209	e134	e147	852	765	100	227	217	115
28	2,310	466	e960	e203	e130	e306	867	559	90	194	202	106
29	1,840	925	e784	e198	e129	e496	713	618	85	171	195	101
30	2,610	1,160	e702	e193	---	e463	775	e483	83	155	292	97
31	1,510	---	e637	e189	---	e479	---	379	---	e144	404	---
TOTAL	13,697	21,605	28,294	9,474	4,620	5,259	31,388	16,870	6,057	6,050	11,510	6,419
MEAN	442	720	913	306	159	170	1,046	544	202	195	371	214
MAX	2,610	2,430	3,020	585	190	496	2,660	1,000	624	690	1,520	712
MIN	68	366	311	189	129	93	475	234	83	76	129	97
CFSM	2.28	3.71	4.70	1.58	0.82	0.87	5.39	2.81	1.04	1.01	1.91	1.10
IN.	2.63	4.14	5.43	1.82	0.89	1.01	6.02	3.23	1.16	1.16	2.21	1.23

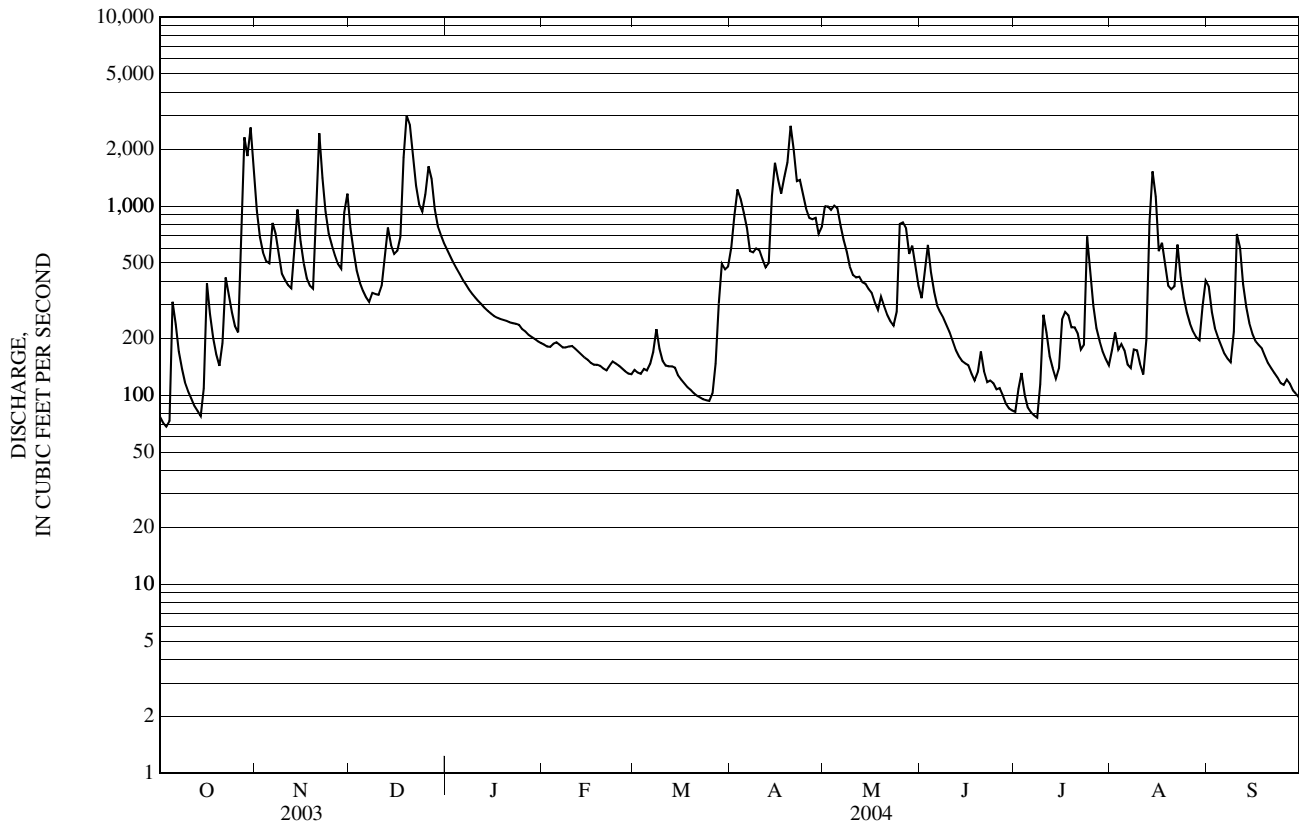
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	245	325	339	155	116	227	1,085	754	304	164	137	175
MAX	547	720	913	306	163	514	1,468	1,191	377	229	371	612
(WY)	(2000)	(2004)	(2004)	(2004)	(2001)	(2000)	(2000)	(2000)	(2001)	(2002)	(2004)	(1999)
MIN	49.4	65.1	105	60.1	60.1	115	810	544	202	115	33.5	34.8
(WY)	(2002)	(2002)	(2003)	(2002)	(2002)	(2001)	(2003)	(2004)	(2004)	(2003)	(2001)	(2002)

e Estimated

01044550 SPENCER STREAM AT MOUTH, NEAR GRAND FALLS, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	140,603		161,243		329	
ANNUAL MEAN	385		441		441	
HIGHEST ANNUAL MEAN					240	
LOWEST ANNUAL MEAN					240	
HIGHEST DAILY MEAN	3,020	Dec 19	3,020	Dec 19	4,850	May 11, 2000
LOWEST DAILY MEAN	33	Sep 15	68	Oct 3	9.0	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	38	Sep 9	94	Jun 25	10	Sep 5, 2002
MAXIMUM PEAK FLOW			3,240	Dec 19	5,500	May 11, 2000
MAXIMUM PEAK STAGE			5.80	Dec 19	9.14	Dec 20, 2000
INSTANTANEOUS LOW FLOW			64	Oct 4	8.7	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.99		2.27		1.70	
ANNUAL RUNOFF (INCHES)	26.96		30.92		23.08	
10 PERCENT EXCEEDS	937		971		771	
50 PERCENT EXCEEDS	193		266		160	
90 PERCENT EXCEEDS	56		114		52	



01046500 KENNEBEC RIVER AT BINGHAM, ME

LOCATION.--Lat 45°03'07", long 69°53'08" (corrected), Somerset County, Hydrologic Unit 01030003, on right bank at Bingham, 50 ft downstream from State Route 16 highway bridge, 0.4 mi downstream from Austin Stream, and 1.6 mi downstream from Wyman Dam.

DRAINAGE AREA.--2,715 mi².

PERIOD OF RECORD.--

DISCHARGE: June 1907 to June 1910, October 1930 to current year. Monthly discharge only for some periods prior to June 1910 published in WSP 1301.

CHEMICAL ANALYSES: Water years 1966 to 1978.

SPECIFIC CONDUCTANCE: October 1975 to September 1978.

WATER TEMPERATURE: October 1975 to September 1978.

REVISED RECORDS.--WSP 1271: 1951(M). WSP 1301: 1936(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 330.20 ft above National Geodetic Vertical Datum of 1929. June 1907 to June 1910, nonrecording gage on highway bridge at different datum.

REMARKS.--Records good, except for periods of ice effect, Jan. 8, 12, 14, 17, Feb. 15-18, 27-28, and period of no gage-height record, Jan. 25-26, which are fair. Flow regulated by Moosehead Lake, Indian Pond, and Brassua, Flagstaff, and Wyman Lakes, combined capacity about 47.973 billion ft³. Considerable diurnal fluctuation caused by powerplant above station. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 450306069531101). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,200 ft³/s, June 1, 1984, gage height, 15.61 ft; minimum daily discharge, 110 ft³/s, Dec. 25, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,000 ft³/s, Dec. 18, gage height, 12.22 ft; minimum daily discharge, 1,390 ft³/s, June 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,410	7,460	9,840	9,730	7,140	5,000	3,020	2,640	1,880	1,760	2,160	5,480
2	2,480	5,910	7,370	8,940	7,120	4,940	4,760	2,530	1,900	1,780	2,240	4,650
3	2,260	5,550	7,330	8,760	7,090	5,130	8,390	2,620	2,170	1,580	2,220	4,580
4	2,430	4,710	4,950	9,200	7,020	5,200	6,890	3,280	2,890	1,530	2,030	4,700
5	2,630	4,790	4,800	9,570	6,990	5,150	5,270	4,220	3,450	1,560	2,200	4,530
6	3,660	5,520	3,920	8,380	6,980	5,190	5,200	3,600	2,410	1,630	2,170	4,540
7	3,040	4,790	3,820	3,120	7,090	5,140	4,910	4,350	2,370	1,780	2,150	4,620
8	3,280	4,760	3,570	e5,300	7,150	4,850	3,960	4,290	1,850	1,650	2,170	4,830
9	3,280	4,880	5,720	6,480	7,130	4,930	3,490	3,360	1,920	1,800	2,290	4,910
10	2,190	4,760	6,250	7,350	7,190	5,090	3,830	2,510	1,730	1,780	2,170	4,990
11	2,380	5,510	6,570	7,210	7,020	5,080	3,550	2,020	1,840	2,300	2,040	4,970
12	2,250	5,500	9,250	e7,280	7,040	5,080	3,460	2,020	2,130	2,050	2,170	5,350
13	2,470	5,830	10,100	6,940	7,070	5,090	3,560	1,910	1,610	1,760	4,180	4,940
14	2,360	7,090	9,390	e7,540	7,090	4,990	7,080	1,990	1,800	1,420	5,290	4,880
15	2,680	5,190	9,060	7,250	e7,110	5,050	9,710	2,050	1,930	1,750	5,400	4,680
16	3,300	4,830	10,400	6,270	e7,160	4,990	7,570	1,740	1,900	2,390	4,690	5,060
17	2,700	4,680	12,000	e5,900	e7,220	5,220	7,520	1,800	1,950	2,590	4,370	4,680
18	2,130	4,820	26,900	5,560	e6,060	4,920	7,440	1,850	1,860	2,490	3,450	4,890
19	2,280	4,950	26,300	6,570	6,060	5,160	6,690	1,900	1,820	2,410	4,280	4,930
20	2,320	7,680	23,300	6,710	6,060	3,780	5,240	1,890	1,840	1,720	4,160	4,870
21	3,510	12,500	20,600	7,550	6,020	3,710	5,660	1,880	1,820	2,460	4,260	4,730
22	4,500	9,630	18,500	6,980	6,120	3,770	6,110	1,720	1,390	2,820	4,290	4,500
23	3,380	9,130	15,900	7,200	6,040	3,450	5,780	1,770	1,450	2,370	4,250	4,540
24	2,360	7,300	15,500	7,200	6,180	3,830	5,000	1,890	1,960	4,290	4,190	4,610
25	2,700	5,040	18,900	e7,140	6,180	3,510	5,180	2,230	1,760	4,100	4,260	4,520
26	2,700	5,080	19,900	e6,300	6,010	3,530	3,920	3,720	1,650	2,710	4,500	4,550
27	6,730	4,940	16,300	6,450	e5,580	2,450	2,790	3,770	1,760	3,140	4,520	4,610
28	11,300	4,860	14,500	6,770	e5,430	2,520	2,680	3,690	1,720	2,380	4,730	4,580
29	12,700	7,930	13,100	6,910	5,000	4,400	2,170	3,360	1,640	2,430	4,320	4,650
30	14,200	10,000	9,150	7,150	---	3,880	2,480	3,410	1,870	2,240	4,480	4,540
31	10,500	---	7,690	7,020	---	3,550	---	2,310	---	2,220	4,480	---
TOTAL	127,110	185,620	370,880	220,730	191,350	138,580	153,310	82,320	58,270	68,890	110,110	142,910
MEAN	4,100	6,187	11,960	7,120	6,598	4,470	5,110	2,655	1,942	2,222	3,552	4,764
MAX	14,200	12,500	26,900	9,730	7,220	5,220	9,710	4,350	3,450	4,290	5,400	5,480
MIN	2,130	4,680	3,570	3,120	5,000	2,450	2,170	1,720	1,390	1,420	2,030	4,500

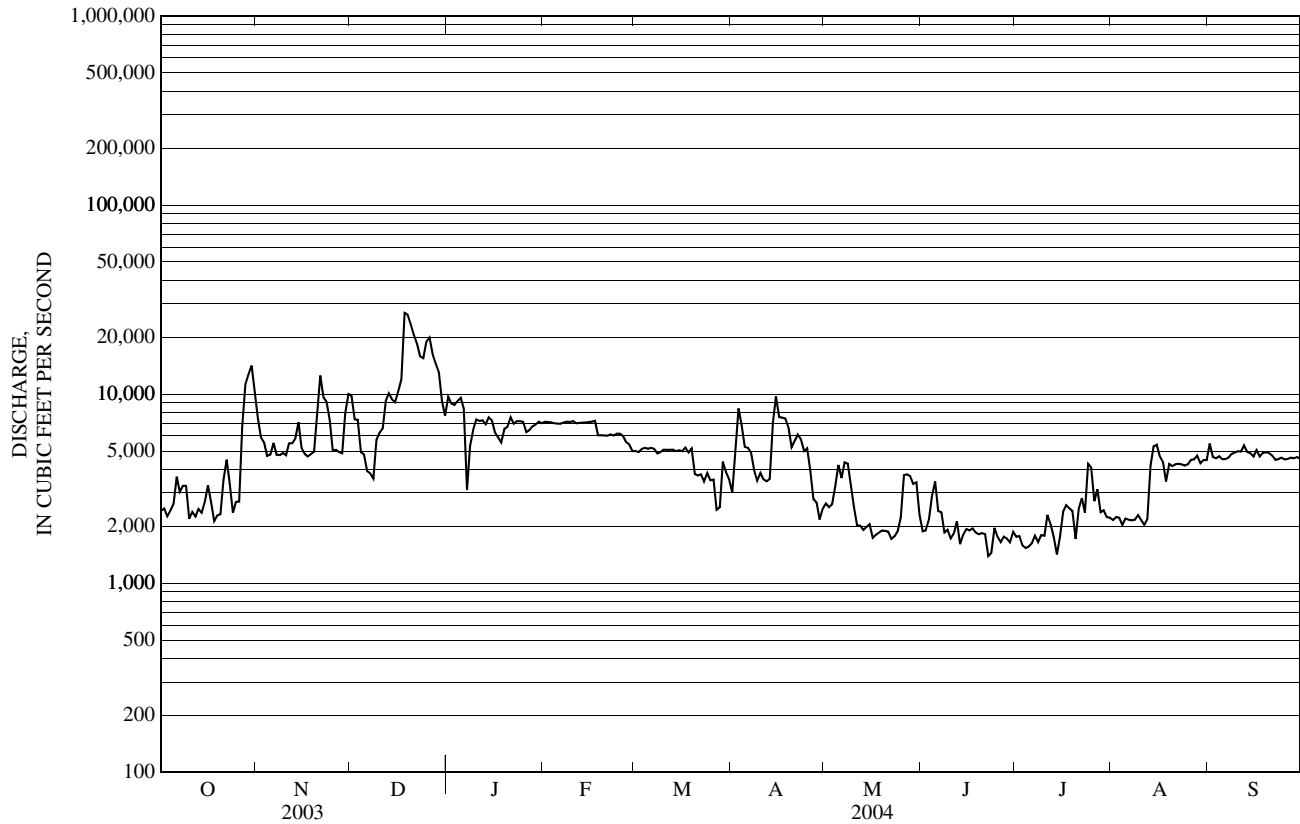
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2004, BY WATER YEAR (WY)

MEAN	3,412	3,576	3,609	3,640	3,885	4,269	7,221	8,761	4,838	3,640	3,259	3,297
MAX	9,319	9,740	12,510	7,684	8,898	15,070	16,080	22,160	13,600	11,540	6,428	10,140
(WY)	(1955)	(1908)	(1974)	(1970)	(1996)	(1936)	(1983)	(1974)	(1984)	(1996)	(1976)	(1954)
MIN	1,122	744	749	1,070	1,540	1,525	2,627	2,192	1,638	1,954	2,135	1,829
(WY)	(1909)	(1909)	(1909)	(1909)	(2002)	(1985)	(1981)	(1980)	(1988)	(1988)	(2002)	(1987)

e Estimated

01046500 KENNEBEC RIVER AT BINGHAM, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1908 - 2004	
ANNUAL TOTAL	1,498,550		1,850,080		4,452	
ANNUAL MEAN	4,106		5,055		7,881	
HIGHEST ANNUAL MEAN					2,613	
LOWEST ANNUAL MEAN					62,000	
HIGHEST DAILY MEAN	26,900	Dec 18	26,900	Dec 18	110	Jun 1, 1984
LOWEST DAILY MEAN	1,480	Jan 6	1,390	Jun 22	587	Dec 25, 1947
ANNUAL SEVEN-DAY MINIMUM	1,580	Jan 6	1,640	Jul 2	65,200	Nov 18, 1908
MAXIMUM PEAK FLOW			29,000	Dec 18	15.61	Jun 1, 1984
MAXIMUM PEAK STAGE			12.22	Dec 18	7,640	Jun 1, 1984
10 PERCENT EXCEEDS	7,350		8,060		3,460	
50 PERCENT EXCEEDS	2,890		4,610		2,150	
90 PERCENT EXCEEDS	2,020		1,880			



01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME

LOCATION.--Lat 44°52'09", long 69°57'18" (corrected), Somerset County, Hydrologic Unit 01030003, on left bank 3.4 mi upstream from Mill Stream and North Anson.

DRAINAGE AREA.--353 mi².

PERIOD OF RECORD.--

DISCHARGE: November and December 1901, June 1902 to April 1907, August 1925 to current year. Monthly discharge only for some periods prior to 1925, published in WSP 1301.

CHEMICAL ANALYSES: Water years 1953-54, 1961.

REVISED RECORDS.--WSP 1231: 1904-07, 1928(M), 1932(M), 1936(M), 1938(M), 1944(M), 1950(M). WDR ME-81-1: Drainage area. WDR ME-97-1: 1992(M).

GAGE.--Water-stage recorder. Datum of gage is 302.88 ft above National Geodetic Vertical Datum of 1929. Nov. 1, 1901 to May 5, 1907, nonrecording gage 1 mi upstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 2-17, 19-20, and Dec. 29 to Apr. 1, which are fair. Some minor regulation at low flows by mills above station. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 445210069571901). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,700 ft³/s, Apr. 1, 1987, gage height, 26.66 ft, from rating extended above 27,000 ft³/s on basis of slope-area measurements; maximum gage height, 27.78 ft, Feb. 21, 1978 (backwater from ice); minimum discharge, 18 ft³/s, Oct. 29, 1929, gage height, 2.02 ft, caused by unusual regulation.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 28	0615	9,930	11.48	Dec 18	1030	*20,300	*16.57
Oct 30	0000	12,200	12.79	Apr 14	1130	6,550	9.38
Nov 20	1845	8,490	10.61				

Minimum discharge, 99 ft³/s, June 30, gage height, 2.81 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	317	1,930	1,760	e896	e162	e163	e1,780	755	503	109	213	1,050
2	253	1,140	e1,250	e809	e158	e176	2,740	763	636	127	216	561
3	220	1,110	e774	e737	e161	e206	4,090	773	921	161	196	361
4	214	1,090	e536	e705	e185	e261	2,980	1,570	668	131	369	313
5	1,510	890	e481	e648	e242	e292	2,870	1,740	522	115	282	206
6	866	910	e454	e569	e240	e511	1,970	1,250	437	123	212	244
7	588	846	e490	e521	e259	e984	1,490	950	393	125	187	299
8	416	744	e1,230	e484	e251	e921	1,380	628	375	117	177	286
9	329	618	e1,330	e456	e238	e774	1,210	550	332	142	177	560
10	281	553	e1,200	e425	e225	e658	1,390	502	289	197	170	2,270
11	249	536	e1,370	e402	e212	e589	1,280	479	255	181	165	1,340
12	234	538	e4,370	e380	e201	e576	831	457	233	144	188	861
13	355	1,610	e3,090	e363	e194	e548	940	422	219	124	1,110	438
14	305	2,300	e2,220	e349	e192	e466	4,960	392	210	115	1,950	356
15	1,450	1,500	e1,770	e334	e190	e361	4,460	375	172	153	1,190	317
16	2,520	881	e1,430	e323	e184	e313	2,960	417	159	522	681	291
17	1,420	605	e1,210	e312	e181	e295	2,070	441	147	909	563	273
18	928	566	13,700	e305	e178	e277	1,910	383	134	651	540	297
19	603	580	e7,650	e299	e178	e267	1,830	556	136	464	364	380
20	502	3,520	e4,590	e287	e176	e259	2,220	484	156	675	597	307
21	1,910	4,390	2,950	e281	e176	e253	1,490	422	143	567	649	226
22	3,610	2,570	2,180	e275	e199	e246	1,140	389	128	397	1,130	204
23	2,220	1,750	1,700	e264	e223	e240	1,130	415	127	277	698	194
24	1,490	1,320	1,420	e246	e218	e237	924	718	130	1,460	460	179
25	972	946	4,280	e226	e198	e233	743	2,470	124	949	348	172
26	697	730	4,940	e209	e176	e253	770	2,230	122	468	235	176
27	1,920	776	3,460	e197	e165	e918	860	1,810	118	359	221	173
28	6,700	904	2,040	e191	e158	e2,210	800	1,160	109	289	246	163
29	6,150	3,060	e1,380	e189	e158	e1,870	696	853	102	265	198	157
30	7,580	2,470	e1,160	e182	---	e1,560	647	701	102	234	215	152
31	3,610	---	e1,010	e168	---	e1,500	---	578	---	209	1,090	---
TOTAL	50,419	41,383	77,425	12,032	5,678	18,417	54,561	25,633	8,102	10,759	15,037	12,806
MEAN	1,626	1,379	2,498	388	196	594	1,819	827	270	347	485	427
MAX	7,580	4,390	13,700	896	259	2,210	4,960	2,470	921	1,460	1,950	2,270
MIN	214	536	454	168	158	163	647	375	102	109	165	152
CFSM	4.61	3.91	7.08	1.10	0.55	1.68	5.15	2.34	0.77	0.98	1.37	1.21
IN.	5.31	4.36	8.16	1.27	0.60	1.94	5.75	2.70	0.85	1.13	1.58	1.35

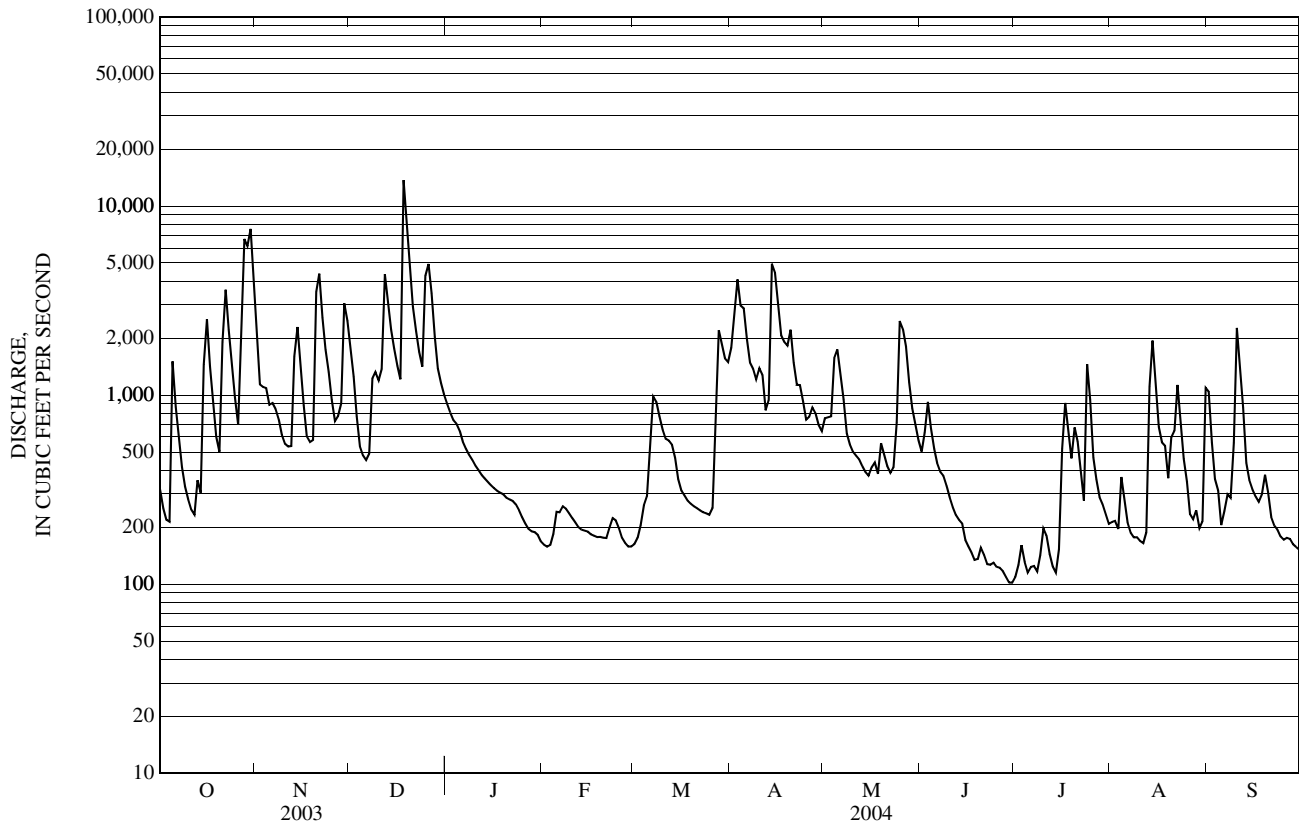
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2004, BY WATER YEAR (WY)

	500	763	617	372	324	837	2,320	1,537	612	327	220	240
MAX	2,606	2,492	3,565	1,633	1,922	4,750	4,009	3,694	2,916	2,201	1,124	1,768
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(1993)	(1972)	(1998)	(1996)	(1976)	(1954)
MIN	63.1	87.4	58.9	78.1	60.1	120	802	456	159	88.5	44.5	44.0
(WY)	(1948)	(2002)	(1979)	(1948)	(1948)	(1956)	(1981)	(1941)	(1964)	(1971)	(2002)	(1948)

e Estimated

01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1903 - 2004	
ANNUAL TOTAL	293,677		332,252		723	
ANNUAL MEAN	805		908		1,288	
HIGHEST ANNUAL MEAN					333	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	13,700	Dec 18	13,700	Dec 18	36,000	Apr 1, 1987
LOWEST DAILY MEAN	51	Sep 15	102	Jun 29	27	Aug 28, 1949
ANNUAL SEVEN-DAY MINIMUM	56	Sep 10	112	Jun 25	31	Sep 7, 2002
MAXIMUM PEAK FLOW			20,300	Dec 18	50,700	Apr 1, 1987
MAXIMUM PEAK STAGE			16.57	Dec 18	27.78	Feb 21, 1978
INSTANTANEOUS LOW FLOW			99	Jun 30	18	Oct 29, 1929
ANNUAL RUNOFF (CFSM)	2.28		2.57		2.05	
ANNUAL RUNOFF (INCHES)	30.95		35.01		27.83	
10 PERCENT EXCEEDS	1,900		2,100		1,750	
50 PERCENT EXCEEDS	333		465		313	
90 PERCENT EXCEEDS	99		163		97	



01048000 SANDY RIVER NEAR MERCER, ME

LOCATION.--Lat 44°42'29", long 69°56'15" (corrected), Somerset County, Hydrologic Unit 01030003, on right bank 0.9 mi upstream from Bog Stream, 2.1 mi north of Mercer, and 8.6 mi upstream from mouth.

DRAINAGE AREA.--516 mi².

PERIOD OF RECORD.--

DISCHARGE: November 1928 to September 1979, June 1987 to current year.

CHEMICAL ANALYSES: Water year 1954.

REVISED RECORDS.--WSP 756: 1933. WSP 1231: 1936(M). WDR ME-94-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 197.1 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 4-12, 15-18, and Dec. 28 to Apr. 1, which are fair. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 444227069561801). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,600 ft³/s, Mar. 19, 1936, gage height, 16.75 ft, from rating curve extended above 15,000 ft³/s on basis of records at nearby stations and slope-area measurement at gage-height 19.25 ft; maximum gage height, 18.89 ft, Feb. 12, 1979, from floodmark (backwater from ice); minimum discharge, 30 ft³/s, Sep. 14-15, 2002, gage height, 2.27 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1, 1987 reached a stage of 19.25 ft, from floodmarks, discharge, 51,100 ft³/s, from rating curve extended as explained above.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 16	0230	6,170	7.43	Dec 18	1545	Ice Jam	*13.98
Oct 22	0230	9,330	8.64	Dec 18	1800	*24,100	13.03
Oct 28	1215	10,900	9.18	Dec 26	0815	9,590	8.73
Oct 30	0645	14,400	10.30	Apr 3	0430	8,740	8.43
Nov 21	0200	10,200	8.92	Apr 14	1515	10,400	9.00
Nov 29	1815	6,920	7.74				

Minimum discharge, 132 ft³/s, July 1-2, gage height, 2.94 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	505	3,040	2,270	e1,670	e251	e325	e3,050	1,000	670	136	253	897
2	388	2,370	1,760	e1,500	e241	e396	4,630	992	689	141	317	498
3	323	2,010	1,230	e1,410	e234	e541	7,280	953	1,280	212	280	344
4	305	1,940	e1,010	e1,350	e252	e773	4,640	2,210	954	212	265	279
5	1,300	1,720	e853	e1,220	e330	e1,160	4,530	2,850	718	166	357	238
6	1,220	1,720	e760	e1,030	e363	e1,410	3,120	1,780	583	148	269	208
7	764	1,520	e699	e820	e364	e2,460	2,440	1,380	506	145	215	192
8	568	1,240	e858	e716	e348	e2,380	2,340	1,120	473	155	196	184
9	463	1,030	e1,270	e667	e327	e1,860	2,380	945	431	166	212	214
10	391	900	e1,230	e627	e305	e1,630	2,220	848	380	198	195	1,620
11	344	861	e1,330	e596	e288	e1,490	1,850	754	328	285	177	1,210
12	339	856	e4,320	e569	e276	e1,500	1,610	699	286	236	158	659
13	1,450	1,810	5,050	e543	e266	e1,610	1,640	637	261	189	955	454
14	954	3,210	3,080	e521	e257	e1,510	7,720	578	241	168	2,110	354
15	1,840	1,770	e2,370	e506	e248	e1,330	6,900	537	228	166	1,200	296
16	4,410	1,260	e2,030	e492	e242	e1,170	4,360	622	218	412	691	264
17	2,000	1,050	e1,790	e481	e237	e1,040	3,100	738	208	548	641	243
18	1,340	928	e14,100	e469	e233	e943	2,770	625	191	573	634	253
19	1,030	882	12,000	e456	e233	e862	2,690	830	187	405	456	435
20	845	3,330	5,680	e440	e238	e816	2,950	872	197	462	459	417
21	3,190	6,530	3,620	e429	e253	e790	2,270	626	227	887	575	315
22	6,680	2,920	2,900	e415	e286	e769	1,670	579	193	547	1,090	272
23	2,990	2,090	2,450	e402	e333	e761	1,490	557	174	371	793	254
24	2,070	1,690	2,130	e389	e347	e753	1,340	904	170	1,180	524	234
25	1,550	1,490	5,220	e372	e332	e804	1,180	2,520	168	1,030	406	217
26	1,280	1,320	8,480	e349	e311	e1,020	1,090	2,300	162	575	334	204
27	1,720	1,150	4,730	e325	e294	e2,440	1,500	2,020	159	412	291	192
28	8,480	1,060	e3,080	e300	e284	e4,520	1,490	1,410	155	338	265	187
29	6,850	4,730	e2,530	e282	e289	e3,870	1,220	1,230	153	308	260	174
30	11,300	3,760	e2,160	e273	---	e2,590	1,020	999	143	279	275	166
31	4,560	---	e1,880	e264	---	e2,470	---	798	---	241	360	---
TOTAL	71,449	60,187	102,870	19,883	8,262	45,993	86,490	34,913	10,733	11,291	15,213	11,474
MEAN	2,305	2,006	3,318	641	285	1,484	2,883	1,126	358	364	491	382
MAX	11,300	6,530	14,100	1,670	364	4,520	7,720	2,850	1,280	1,180	2,110	1,620
MIN	305	856	699	264	233	325	1,020	537	143	136	158	166
CFSM	4.47	3.89	6.43	1.24	0.55	2.88	5.59	2.18	0.69	0.71	0.95	0.74
IN.	5.15	4.34	7.42	1.43	0.60	3.32	6.24	2.52	0.77	0.81	1.10	0.83

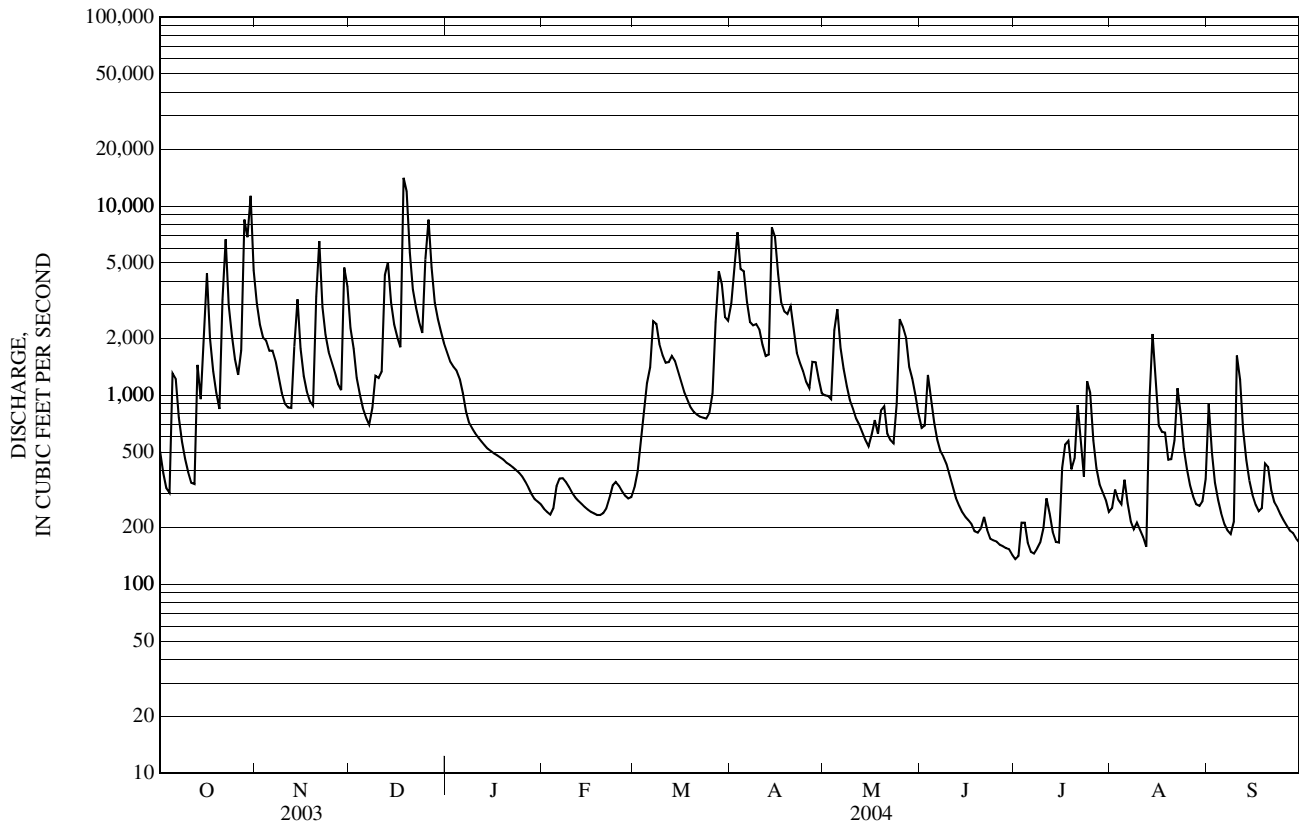
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	568	962	858	547	494	1,252	3,377	1,885	780	395	247	276
MAX	3,057	2,947	4,315	2,285	3,322	6,479	5,399	4,105	3,824	2,300	1,439	2,664
(WY)	(1978)	(1964)	(1974)	(1978)	(1970)	(1936)	(1951)	(1972)	(1998)	(1996)	(1976)	(1954)
MIN	61.1	107	85.8	100	87.7	242	1,334	480	202	95.9	60.4	52.7
(WY)	(1948)	(1979)	(1979)	(1948)	(1948)	(1956)	(1995)	(1941)	(1941)	(1993)	(2002)	(1995)

e Estimated

01048000 SANDY RIVER NEAR MERCER, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	402,645		478,758		971	
ANNUAL MEAN	1,103		1,308		1,583	
HIGHEST ANNUAL MEAN					436	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	14,100	Dec 18	14,100	Dec 18	31,400	Mar 27, 1953
LOWEST DAILY MEAN	75	Sep 15	136	Jul 1	30	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	85	Aug 28	150	Jun 26	32	Sep 9, 2002
MAXIMUM PEAK FLOW			24,100	Dec 18	38,600	Mar 19, 1936
MAXIMUM PEAK STAGE			13.98	Dec 18	18.89	Feb 12, 1979
INSTANTANEOUS LOW FLOW			132	Jul 1	30	Sep 14, 2002
ANNUAL RUNOFF (CFSM)	2.14		2.54		1.88	
ANNUAL RUNOFF (INCHES)	29.03		34.52		25.57	
10 PERCENT EXCEEDS	2,580		3,000		2,450	
50 PERCENT EXCEEDS	504		717		425	
90 PERCENT EXCEEDS	114		211		112	



01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME

LOCATION.--Lat 44°43'00", long 69°24'50" (corrected), Somerset County, Hydrologic Unit 01030003, on right bank 1.7 mi upstream from Twentyfive Mile Stream, and 5.0 mi south of Pittsfield.

DRAINAGE AREA.--572 mi².

PERIOD OF RECORD.--

DISCHARGE: November 1928 to current year.

CHEMICAL ANALYSES: Water years 1952-53.

REVISED RECORDS.--WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 133.94 ft above National Geodetic Vertical Datum of 1929.

REMARKS.-- Records good, except for periods of ice effect, Jan. 25-26, Feb. 12, 15-17, and 24-27, which are fair. Flow regulated by dam 0.4 mi upstream, and by Great Moose and Sebasticook Lakes and Plymouth Pond, combined capacity about 2.345 billion ft³. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,600 ft³/s, Apr. 3, 1987, gage height, 15.53 ft; minimum daily discharge, 4.5 ft³/s, Nov. 10, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,340 ft³/s, Oct. 31 and Nov. 1, gage height, 7.32 ft; minimum daily discharge, 77 ft³/s, July 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	914	5,230	2,410	2,940	442	121	2,520	765	1,130	146	274	588
2	909	4,860	2,490	2,480	278	177	2,590	723	931	165	309	612
3	922	4,250	2,340	2,110	188	180	2,690	693	820	156	291	616
4	915	3,570	2,190	1,820	147	177	2,850	869	802	167	244	243
5	901	3,150	2,030	1,640	191	179	2,970	1,220	668	166	233	202
6	999	2,770	1,610	1,490	187	301	2,970	1,380	524	156	161	198
7	1,170	2,430	994	1,270	203	294	2,750	1,350	274	110	250	207
8	1,090	1,990	883	1,090	197	313	2,500	1,250	555	77	240	548
9	1,080	1,600	821	1,030	191	321	2,250	1,130	549	134	188	699
10	1,020	1,350	766	986	190	347	2,010	945	512	155	200	826
11	958	1,220	781	947	190	321	1,850	859	487	155	176	950
12	932	1,160	950	805	e189	360	1,340	698	446	148	154	952
13	1,060	1,310	1,290	577	191	349	877	610	331	155	309	907
14	1,190	1,680	1,550	832	189	386	1,360	563	292	161	546	842
15	1,420	1,900	1,660	948	e186	390	2,290	540	160	159	674	751
16	2,040	1,880	1,760	509	e185	395	3,070	658	128	159	783	988
17	2,510	1,810	1,820	492	e184	389	3,420	702	132	161	1,020	1,060
18	2,620	1,900	2,600	584	184	345	3,300	683	143	163	1,260	982
19	2,530	1,960	3,740	536	151	301	2,950	735	203	179	1,130	1,130
20	2,260	1,930	4,680	508	193	336	2,620	724	202	233	805	1,140
21	2,150	2,090	5,010	487	146	330	2,310	791	186	208	717	1,080
22	2,700	2,380	4,760	472	188	321	1,860	864	200	184	698	1,120
23	3,300	2,560	4,350	452	186	365	1,480	828	164	163	709	944
24	3,600	2,560	3,840	432	e182	281	1,170	848	184	160	739	797
25	3,620	2,470	3,540	e373	e179	297	898	1,050	164	178	860	605
26	3,370	2,320	3,750	e381	e175	414	810	1,360	174	311	868	838
27	3,060	2,080	4,210	382	e168	884	801	1,600	170	334	779	736
28	3,190	1,840	4,550	343	168	1,500	845	1,630	190	367	745	719
29	3,640	1,900	4,390	336	167	1,770	797	1,580	170	371	717	573
30	4,560	2,140	4,000	339	---	2,050	738	1,460	146	333	374	364
31	5,210	---	3,510	298	---	2,380	---	1,300	---	290	335	---
TOTAL	65,840	70,290	83,275	27,889	5,615	16,574	60,886	30,408	11,037	6,004	16,788	22,217
MEAN	2,124	2,343	2,686	900	194	535	2,030	981	368	194	542	741
MAX	5,210	5,230	5,010	2,940	442	2,380	3,420	1,630	1,130	371	1,260	1,140
MIN	901	1,160	766	298	146	121	738	540	128	77	154	198

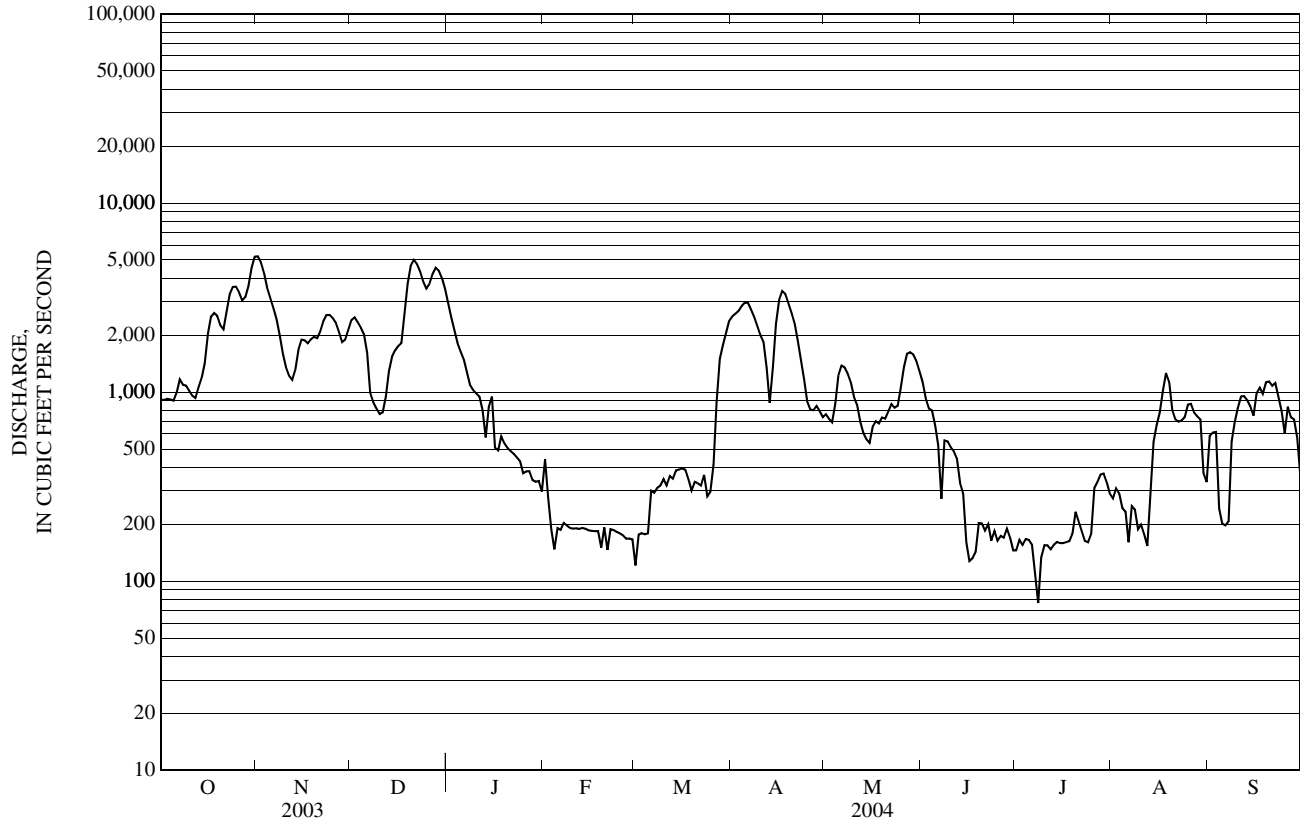
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	484	893	1,033	686	656	1,332	3,325	1,396	634	343	268	421
MAX	2,654	2,913	4,609	2,260	3,576	5,764	5,768	3,202	3,659	1,914	1,708	3,447
(WY)	(1978)	(1964)	(1974)	(1978)	(1970)	(1936)	(1934)	(1945)	(1984)	(1973)	(1976)	(1954)
MIN	76.6	25.0	46.3	92.3	82.2	303	882	242	160	74.1	53.5	62.1
(WY)	(1979)	(2002)	(2002)	(2002)	(1993)	(1967)	(1981)	(1999)	(1992)	(1983)	(1982)	(1982)

e Estimated

01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	419,283		416,823		952	
ANNUAL MEAN	1,149		1,139		1,645	
HIGHEST ANNUAL MEAN					437	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	6,280	Apr 2	5,230	Nov 1	17,200	Apr 3, 1987
LOWEST DAILY MEAN	54	Jul 1	77	Jul 8	4.5	Nov 10, 1956
ANNUAL SEVEN-DAY MINIMUM	74	Aug 27	133	Jul 7	6.6	Nov 6, 1965
MAXIMUM PEAK FLOW			5,340	Oct 31	17,600	Apr 3, 1987
MAXIMUM PEAK STAGE			7.32	Oct 31	15.53	Apr 3, 1987
10 PERCENT EXCEEDS	3,170		2,760		2,450	
50 PERCENT EXCEEDS	675		782		480	
90 PERCENT EXCEEDS	108		169		110	



01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME

LOCATION.--Lat 44°28'20", long 69°41'02" (corrected), Kennebec County, Hydrologic Unit 01030003, on right bank at North Sidney, and 5.3 mi downstream from Sebasticook River.

DRAINAGE AREA.--5,403 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1978 to September 1993. October 2000 to current year. Records for October 1993 to September 2000 at site 4 miles upstream, published as "near Waterville" (station 01049205), are not equivalent because of regulated inflow from Messalonskee stream, except for discharges above 25,000 ft³/s.

GAGE HEIGHT: February 2000 to September 2000.

CHEMICAL ANALYSES: Water years 1979-93, 1995, 1999-2000.

SPECIFIC CONDUCTANCE: October 1978 to October 1984, seasonal records 1984 to 1994.

pH: October 1978 to October 1984, seasonal records 1984 to 1994.

WATER TEMPERATURE: October 1978 to October 1984, seasonal records 1984 to 1994.

DISSOLVED OXYGEN: October 1978 to October 1984, seasonal records 1984 to 1994.

REVISED RECORDS.--WDR ME-81-1: Drainage area. WDR ME-83-1: 1979(M). WDR ME-86-1: 1984, 1985. WDR ME-88-1: Gage datum.

GAGE.--Water-stage recorder. Datum of gage is 15.12 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1979, at datum 21.90 ft higher.

REMARKS.--Records good, except for period of ice effect, Jan. 7 to Mar. 26, which is fair. Flow regulated by Indian and Plymouth Ponds, and Moosehead, Brassua, Flagstaff, Wyman, Great Moose, and Sebasticook Lakes, combined capacity about 50.318 billion ft³. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 232,000 ft³/s, Apr. 2, 1987, gage height, 39.31 ft; minimum daily discharge, 1,160 ft³/s, July 7, 1988, caused by unusual regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 102,000 ft³/s, Dec. 19, gage height, 22.23 ft; minimum daily discharge, 2,650 ft³/s, July 1.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,430	27,300	23,000	19,800	e8,640	e6,390	14,900	6,130	6,170	2,650	4,060	8,990
2	5,590	21,200	18,300	19,100	e8,730	e6,720	19,200	4,790	6,590	3,170	3,780	8,730
3	5,390	18,700	15,800	17,200	e8,510	e6,880	31,000	6,320	6,210	2,970	3,670	6,780
4	4,570	16,900	13,800	16,900	e8,600	e7,120	26,700	9,420	7,120	3,010	3,860	6,610
5	8,140	15,400	11,300	17,100	e8,390	e8,580	23,700	13,900	6,990	2,850	4,200	5,560
6	9,600	14,700	11,000	16,700	e8,370	e9,740	19,800	12,200	6,160	5,150	3,760	6,010
7	8,580	14,600	9,900	e13,400	e8,370	e12,000	16,900	10,500	5,570	3,350	3,300	5,790
8	7,140	12,800	8,560	e7,170	e8,390	e12,100	15,300	9,140	4,500	2,790	3,590	6,650
9	6,770	11,400	8,950	e9,550	e8,450	e11,500	13,500	8,170	4,940	2,750	3,900	7,610
10	5,710	10,700	10,900	e12,100	e8,470	e10,500	12,500	6,780	4,550	3,210	3,390	10,300
11	4,890	10,200	9,760	e13,900	e8,410	e9,980	11,800	6,010	3,690	3,210	3,450	10,700
12	4,590	11,300	18,400	e15,100	e8,390	e9,500	11,000	5,140	3,780	4,190	3,390	9,070
13	9,640	12,000	27,200	e15,000	e8,350	e9,050	9,930	5,150	3,660	3,360	6,180	8,350
14	8,470	20,200	23,200	e14,100	e8,260	e8,640	24,000	4,520	3,020	2,920	14,100	7,600
15	9,980	16,800	20,700	e12,400	e8,220	e8,220	36,300	4,570	3,680	2,810	12,100	7,340
16	20,800	13,000	20,100	e10,400	e8,310	e7,840	28,500	4,720	3,390	2,750	9,420	7,150
17	13,300	12,200	22,600	e9,210	e8,210	e7,460	22,900	5,320	3,090	3,050	7,750	7,130
18	11,000	12,700	52,800	e8,930	e8,120	e7,240	20,600	5,000	2,980	4,670	7,410	7,410
19	9,120	9,050	82,500	e8,860	e7,650	e7,030	19,800	5,780	2,950	4,920	6,950	7,850
20	8,780	12,200	53,100	e9,530	e7,560	e6,260	17,200	6,150	3,940	4,160	7,640	7,990
21	13,000	35,900	42,100	e9,820	e7,730	e5,620	16,000	5,310	2,990	4,960	8,210	7,770
22	30,100	25,500	36,200	e9,610	e7,770	e6,030	14,500	4,860	2,980	5,200	9,630	7,210
23	19,100	20,800	32,300	e9,440	e7,870	e5,900	13,500	5,100	2,910	4,050	9,180	7,060
24	15,200	18,700	28,300	e9,250	e7,710	e5,510	11,900	6,850	2,720	7,070	7,960	6,980
25	12,800	15,500	34,100	e9,070	e7,650	e5,510	10,600	10,600	2,970	10,600	7,300	6,510
26	11,800	13,600	52,000	e8,930	e7,620	e6,130	9,960	13,600	2,740	5,890	6,920	6,330
27	12,900	12,500	42,300	e8,350	e7,080	9,430	8,950	13,900	2,910	5,030	6,310	6,540
28	38,000	11,500	33,500	e8,670	e6,490	15,000	8,440	11,500	2,730	4,640	6,630	6,460
29	37,900	20,600	29,100	e8,580	e6,440	16,500	7,920	10,300	2,930	4,260	6,360	6,490
30	58,900	27,500	25,700	e8,710	---	15,600	7,290	9,030	2,860	3,650	6,320	6,190
31	37,200	---	21,200	e8,710	---	15,300	---	7,680	---	3,480	7,170	---
TOTAL	455,390	495,450	838,670	365,590	232,760	279,280	504,590	238,440	121,720	126,770	197,890	221,160
MEAN	14,690	16,520	27,050	11,790	8,026	9,009	16,820	7,692	4,057	4,089	6,384	7,372
MAX	58,900	35,900	82,500	19,800	8,730	16,500	36,300	13,900	7,120	10,600	14,100	10,700
MIN	4,570	9,050	8,560	7,170	6,440	5,510	7,290	4,520	2,720	2,650	3,300	5,560

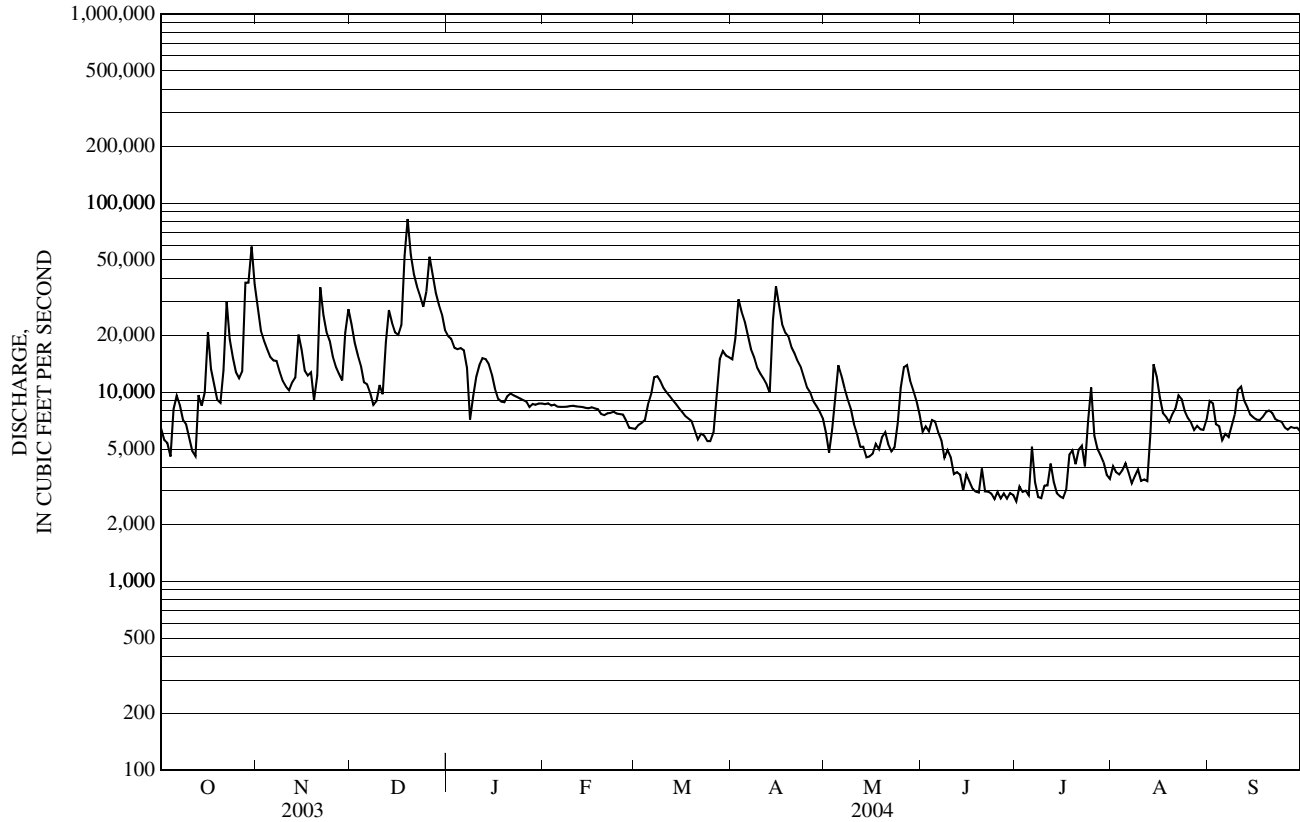
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	6,722	8,434	8,397	6,094	6,151	10,680	22,010	13,490	8,613	4,985	4,679	5,086
MAX	15,020	17,620	27,050	12,230	10,200	22,470	36,430	25,530	29,420	10,550	7,196	7,636
(WY)	(1982)	(1991)	(2004)	(1986)	(1981)	(1979)	(1983)	(1989)	(1984)	(1984)	(1991)	(1981)
MIN	2,830	2,576	2,483	1,893	2,835	4,995	7,110	6,016	3,252	3,362	2,734	3,153
(WY)	(2002)	(2002)	(2002)	(2002)	(2003)	(1989)	(1981)	(1985)	(1988)	(1980)	(2002)	(2000)

e Estimated

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	3,479,950		4,077,710		8,681	
ANNUAL MEAN	9,534		11,140		13,730	
HIGHEST ANNUAL MEAN					5,617	
LOWEST ANNUAL MEAN					186,000	
HIGHEST DAILY MEAN	82,500	Dec 19	82,500	Dec 19	186,000	Apr 2, 1987
LOWEST DAILY MEAN	2,420	Aug 28	2,650	Jul 1	1,160	Jul 7, 1988
ANNUAL SEVEN-DAY MINIMUM	2,440	Jan 16	2,830	Jun 25	1,640	Jan 5, 2002
MAXIMUM PEAK FLOW			102,000	Dec 19	232,000	Apr 2, 1987
MAXIMUM PEAK STAGE			22.23	Dec 19	39.31	Apr 2, 1987
10 PERCENT EXCEEDS	20,700		20,800		16,800	
50 PERCENT EXCEEDS	5,390		8,400		5,860	
90 PERCENT EXCEEDS	2,700		3,630		3,390	



01049320 KENNEBEC RIVER AT FATHER CURRAN BRIDGE AT AUGUSTA, ME

LOCATION.--Lat 44°19'07", long 69°46'18" (corrected), Kennebec County, Hydrologic Unit 01030003, on left bank, 600 ft upstream from Father Curran Bridge, and 600 ft downstream from Bond Brook.

DRAINAGE AREA.--5,513 mi².

PERIOD OF RECORD.--

GAGE HEIGHT: June 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1.30 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No gage-height record, Mar. 11-12. Gage height affected by ocean tides. Flow regulated by Indian and Plymouth Ponds, and Moosehead, Brassua, Flagstaff, Wyman, Great Moose, and Sebasticook Lakes, combined capacity about 50.318 billion ft³. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.39 ft, December 19, 2003; minimum gage height, -2.88 ft, Aug. 21, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1987 reached a stage of 34.1 ft, from flood marker 200 ft downstream from gage. Flood of March 1936 reached a stage of 30.7 ft from flood marks 0.3 mi upstream.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.39 ft, Dec. 19; minimum gage height, -2.61 ft, July 1.

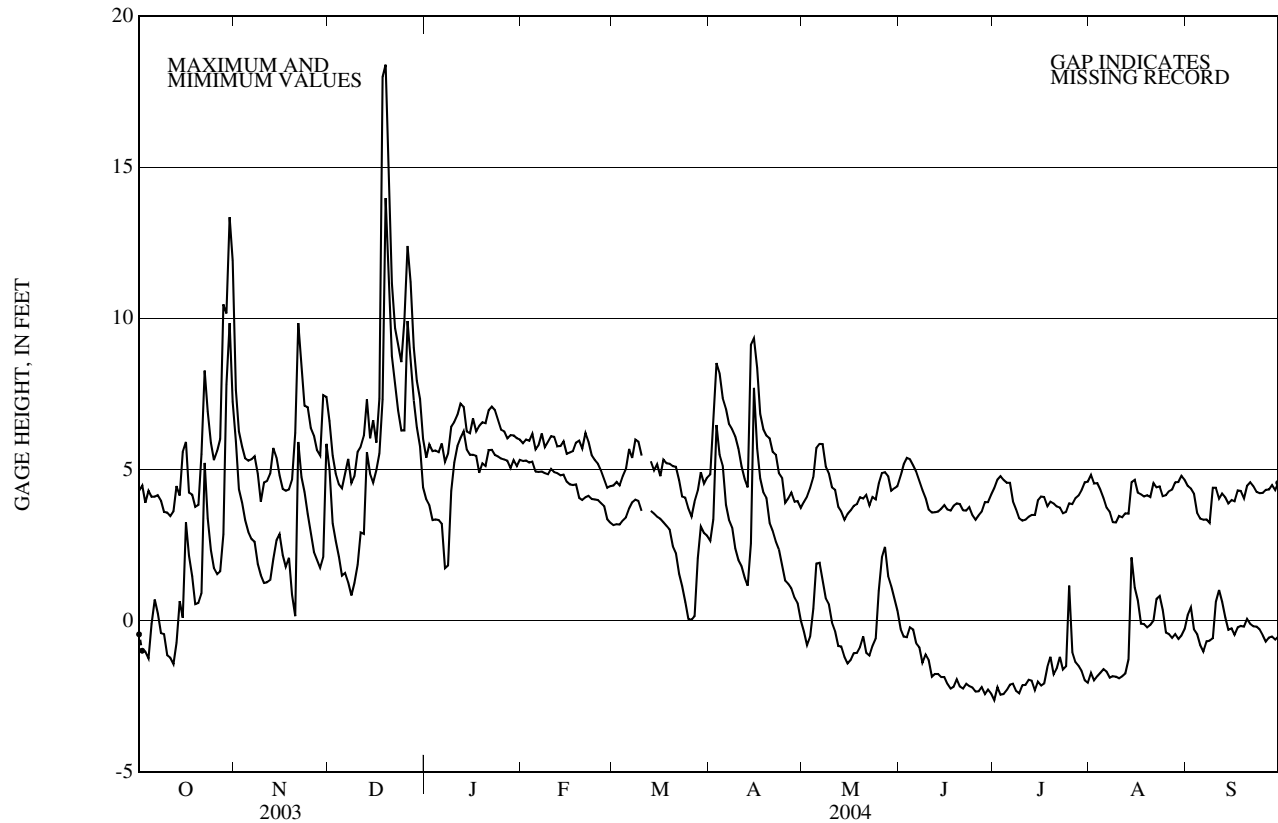
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.31	-0.44	7.64	5.95	6.61	5.02	5.40	4.02	5.88	5.29	4.48	3.17
2	4.48	-0.98	6.27	4.36	5.47	3.23	5.84	3.83	6.00	5.31	4.60	3.20
3	3.91	-1.00	5.77	3.91	4.88	2.66	5.62	3.34	5.96	5.24	4.49	3.19
4	4.31	-1.23	5.38	3.34	4.52	2.13	5.64	3.36	6.19	5.27	4.80	3.33
5	4.11	-0.10	5.30	2.95	4.39	1.50	5.58	3.34	5.68	4.94	5.03	3.43
6	4.11	0.71	5.35	2.71	4.90	1.59	5.87	3.22	5.82	4.93	5.69	3.72
7	4.16	0.26	5.45	2.62	5.36	1.28	5.26	1.75	6.20	4.94	5.39	3.92
8	3.98	-0.40	4.87	1.89	4.56	0.85	5.53	1.84	5.75	4.89	6.00	4.01
9	3.61	-0.43	3.95	1.52	4.79	1.26	6.43	4.30	5.93	4.85	5.93	3.97
10	3.59	-1.13	4.58	1.26	5.60	1.86	6.58	5.24	6.11	5.03	5.47	3.64
11	3.47	-1.21	4.63	1.28	5.76	2.93	6.82	5.79	6.09	4.92	---	---
12	3.63	-1.42	4.88	1.36	6.12	2.88	7.19	6.05	5.78	4.89	---	---
13	4.46	-0.72	5.72	2.05	7.33	5.58	7.08	6.27	5.79	4.82	5.28	3.64
14	4.15	0.66	5.41	2.67	6.04	4.87	6.27	5.67	5.94	4.84	4.98	3.55
15	5.59	0.11	4.82	2.87	6.64	4.58	6.21	5.50	5.53	4.61	5.18	3.45
16	5.92	3.26	4.37	2.18	5.90	4.99	6.70	5.50	5.57	4.52	4.79	3.38
17	4.25	2.16	4.31	1.79	7.36	5.54	6.27	5.46	5.62	4.50	5.34	3.27
18	4.18	1.48	4.35	2.09	17.99	7.32	6.45	4.90	5.90	4.52	5.22	3.15
19	3.78	0.56	4.67	0.87	18.39	13.98	6.57	5.21	5.97	4.07	5.20	3.03
20	3.84	0.60	6.22	0.16	13.98	10.80	6.54	5.13	5.71	4.00	5.12	2.48
21	5.52	0.91	9.85	5.92	11.18	8.76	6.97	5.65	6.22	4.09	5.10	2.25
22	8.28	5.23	8.45	4.76	9.68	7.80	7.09	5.66	5.93	4.14	4.66	1.57
23	6.93	3.40	7.12	4.27	9.14	6.96	6.98	5.49	5.48	4.04	4.12	1.16
24	5.89	2.34	7.07	3.54	8.56	6.30	6.65	5.44	5.33	4.02	4.08	0.63
25	5.32	1.75	6.39	2.94	9.92	6.30	6.33	5.37	5.20	4.00	3.73	0.07
26	5.62	1.55	6.13	2.29	12.40	9.92	6.27	5.34	4.98	3.90	3.46	0.04
27	6.02	1.65	5.65	2.03	11.21	8.72	6.04	5.30	4.69	3.80	3.95	0.16
28	10.47	2.87	5.47	1.76	9.04	7.29	6.15	5.06	4.41	3.37	4.31	2.08
29	10.17	7.82	7.47	2.11	7.94	6.41	6.14	5.32	4.46	3.25	4.92	3.13
30	13.35	9.85	7.41	5.86	7.34	5.77	6.04	5.12	---	---	4.54	2.91
31	11.92	7.25	---	---	6.02	4.42	6.00	5.33	---	---	4.74	2.82
MONTH	13.35	-1.42	9.85	0.16	18.39	0.85	7.19	1.75	6.22	3.25	6.00	0.04

01049320 KENNEBEC RIVER AT FATHER CURRAN BRIDGE AT AUGUSTA, ME—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.85	2.65	3.94	-0.34	4.80	-0.26	4.39	-2.61	4.83	-1.71	4.47	0.20
2	6.49	3.36	4.12	-0.80	5.18	-0.51	4.68	-2.18	4.55	-1.96	4.38	0.45
3	8.53	6.48	4.39	-0.52	5.39	-0.53	4.79	-2.43	4.56	-1.82	4.21	-0.27
4	8.20	5.51	4.75	0.41	5.35	-0.21	4.66	-2.41	4.35	-1.71	3.57	-0.43
5	7.37	5.14	5.72	1.90	5.15	-0.28	4.57	-2.28	4.07	-1.59	3.39	-0.79
6	7.02	3.85	5.86	1.93	4.94	-0.73	4.57	-2.10	3.75	-1.67	3.35	-1.01
7	6.52	3.35	5.85	1.38	4.64	-0.87	3.96	-2.07	3.61	-1.87	3.36	-0.67
8	6.34	3.09	5.11	0.75	4.34	-1.38	3.69	-2.31	3.27	-1.82	3.25	-0.65
9	6.11	2.41	4.89	0.56	4.07	-1.11	3.40	-2.39	3.26	-1.84	4.41	-0.57
10	5.70	2.02	4.42	-0.05	3.69	-1.29	3.32	-2.12	3.47	-1.89	4.41	0.64
11	5.13	1.82	4.34	-0.33	3.59	-1.84	3.35	-2.11	3.43	-1.82	4.05	1.03
12	4.70	1.44	3.78	-0.82	3.60	-1.75	3.45	-1.94	3.56	-1.73	4.22	0.64
13	4.42	1.17	3.62	-0.84	3.62	-1.75	3.51	-1.97	3.55	-1.26	4.09	0.12
14	9.13	2.57	3.35	-1.18	3.71	-1.85	3.51	-2.29	4.59	2.10	3.89	-0.29
15	9.35	7.71	3.54	-1.40	3.83	-1.85	3.99	-2.00	4.67	1.11	4.00	-0.24
16	8.37	5.71	3.66	-1.28	3.69	-2.07	4.12	-2.13	4.25	0.69	3.96	-0.45
17	6.85	4.72	3.81	-1.06	3.65	-2.23	4.10	-2.06	4.19	-0.08	4.32	-0.21
18	6.34	4.25	3.87	-1.05	3.81	-2.17	3.80	-1.52	4.12	-0.10	4.30	-0.16
19	6.13	4.07	4.09	-0.86	3.89	-1.92	3.95	-1.18	4.16	-0.21	4.06	-0.18
20	6.04	3.25	4.05	-0.51	3.87	-2.16	3.89	-1.76	4.10	-0.13	4.47	0.07
21	5.60	2.99	4.17	-1.05	3.66	-2.23	3.79	-1.57	4.56	0.02	4.59	-0.09
22	5.50	2.63	3.82	-1.14	3.65	-2.07	3.75	-1.18	4.42	0.73	4.46	-0.17
23	4.89	2.37	4.10	-0.82	3.77	-2.15	3.56	-1.60	4.45	0.83	4.27	-0.18
24	4.73	1.86	4.02	-0.58	3.50	-2.20	3.61	-1.49	4.13	0.37	4.23	-0.27
25	3.91	1.34	4.54	1.00	3.35	-2.33	3.89	1.17	4.16	-0.38	4.24	-0.47
26	4.06	1.23	4.89	2.11	3.50	-2.32	3.87	-1.03	4.29	-0.43	4.34	-0.68
27	4.25	1.08	4.92	2.45	3.62	-2.18	4.06	-1.35	4.35	-0.56	4.35	-0.55
28	3.95	0.77	4.79	1.49	3.93	-2.41	4.15	-1.48	4.59	-0.43	4.50	-0.51
29	3.97	0.59	4.31	1.16	3.93	-2.26	4.33	-1.65	4.60	-0.59	4.33	-0.61
30	3.74	0.02	4.39	0.75	4.18	-2.40	4.59	-1.96	4.80	-0.48	4.57	-0.51
31	---	---	4.46	0.34	---	---	4.61	-2.04	4.67	-0.26	---	---
MONTH	9.35	0.02	5.86	-1.40	5.39	-2.41	4.79	-2.61	4.83	-1.96	4.59	-1.01
YEAR	18.39	-2.61										



01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME

LOCATION.--Lat 44°13'45", long 69°46'41" (corrected), Kennebec County, Hydrologic Unit 01030003, on left bank 300 ft upstream from Winter Street bridge in Gardiner, 0.4 mi upstream from mouth, and 0.8 mi downstream from Gardiner Water District dam.

DRAINAGE AREA.--217 mi².

PERIOD OF RECORD.--

DISCHARGE: June 1890 to September 1964, October 1976 to current year. Only data from 1906 to current year are used in long term statistical analyses. Earlier data do not include leakage.

CHEMICAL ANALYSES: Water years 1954-56.

REVISED RECORDS.--WSP 541: 1916-20. WSP 1201: Drainage area. WSP 1231: 1910-15. WSP 1701: 1956-59. WDR ME-97-1: 1891-1935(M) 1937-64(M) 1979(M).

GAGE.--Water-stage recorder. Datum of gage is 20.00 ft above National Geodetic Vertical Datum of 1929. June 16, 1890, to Sept. 30, 1964, nonrecording gage at site 0.8 mi upstream at different datum.

REMARKS.--Records good, including period of ice effect, Jan. 14. Flow regulated by Cobbosseecontee Lake and several other lakes upstream. Satellite telemeter at station.

COOPERATION.--Prior to 1961 records furnished by S.D. Warren Co. Records from 1961 to 1964 furnished by Gardiner Water District.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,020 ft³/s, Mar. 21, 1936; minimum discharge, leakage only when all gates in dam were closed several days in 1890-1909.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,490 ft³/s, Dec. 19, gage height, 6.64 ft; minimum daily discharge, 56 ft³/s, July 26-27.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	200	888	808	1,020	102	174	234	359	357	97	111	185
2	197	834	786	1,010	106	173	330	348	339	97	169	183
3	195	816	763	989	108	175	460	334	332	96	165	183
4	196	808	747	821	125	175	465	396	316	94	162	182
5	200	806	725	700	152	178	469	463	296	92	146	182
6	173	808	702	710	152	182	456	490	280	92	81	180
7	140	800	703	719	152	211	413	498	268	87	80	153
8	169	782	693	717	152	254	385	491	257	83	60	108
9	178	759	678	714	152	250	366	482	247	84	57	301
10	149	743	663	714	152	246	350	469	240	84	58	302
11	136	734	669	713	153	244	331	463	218	78	59	303
12	240	697	780	709	153	242	312	456	200	75	60	303
13	354	650	851	712	162	241	303	447	201	68	156	301
14	373	663	849	e699	181	239	450	443	198	64	217	299
15	474	664	840	684	180	238	608	382	196	65	255	295
16	596	659	810	673	179	236	647	376	189	65	255	227
17	610	652	813	670	178	165	607	399	185	66	242	193
18	579	648	1,210	670	177	114	544	378	178	64	224	200
19	557	648	1,390	576	176	114	495	395	174	63	212	202
20	527	675	1,380	486	175	114	448	392	172	63	204	202
21	509	753	1,270	489	175	117	405	373	164	61	204	201
22	497	769	1,170	437	176	117	392	356	158	60	205	201
23	483	770	1,090	318	176	118	379	372	134	60	205	198
24	470	754	1,040	319	175	129	371	423	115	60	199	201
25	451	744	1,080	304	175	135	352	483	115	58	196	199
26	440	724	1,180	290	176	138	350	505	116	56	196	198
27	444	700	1,170	290	175	152	380	496	115	56	192	196
28	507	685	1,140	231	176	187	393	471	103	66	188	196
29	707	776	1,100	99	174	227	383	469	99	66	189	195
30	972	811	1,060	100	---	228	372	431	98	66	186	194
31	934	---	1,030	101	---	228	---	390	---	66	188	---
TOTAL	12,657	22,220	29,190	17,684	4,645	5,741	12,450	13,230	6,060	2,252	5,121	6,463
MEAN	408	741	942	570	160	185	415	427	202	72.6	165	215
MAX	972	888	1,390	1,020	181	254	647	505	357	97	255	303
MIN	136	648	663	99	102	114	234	334	98	56	57	108

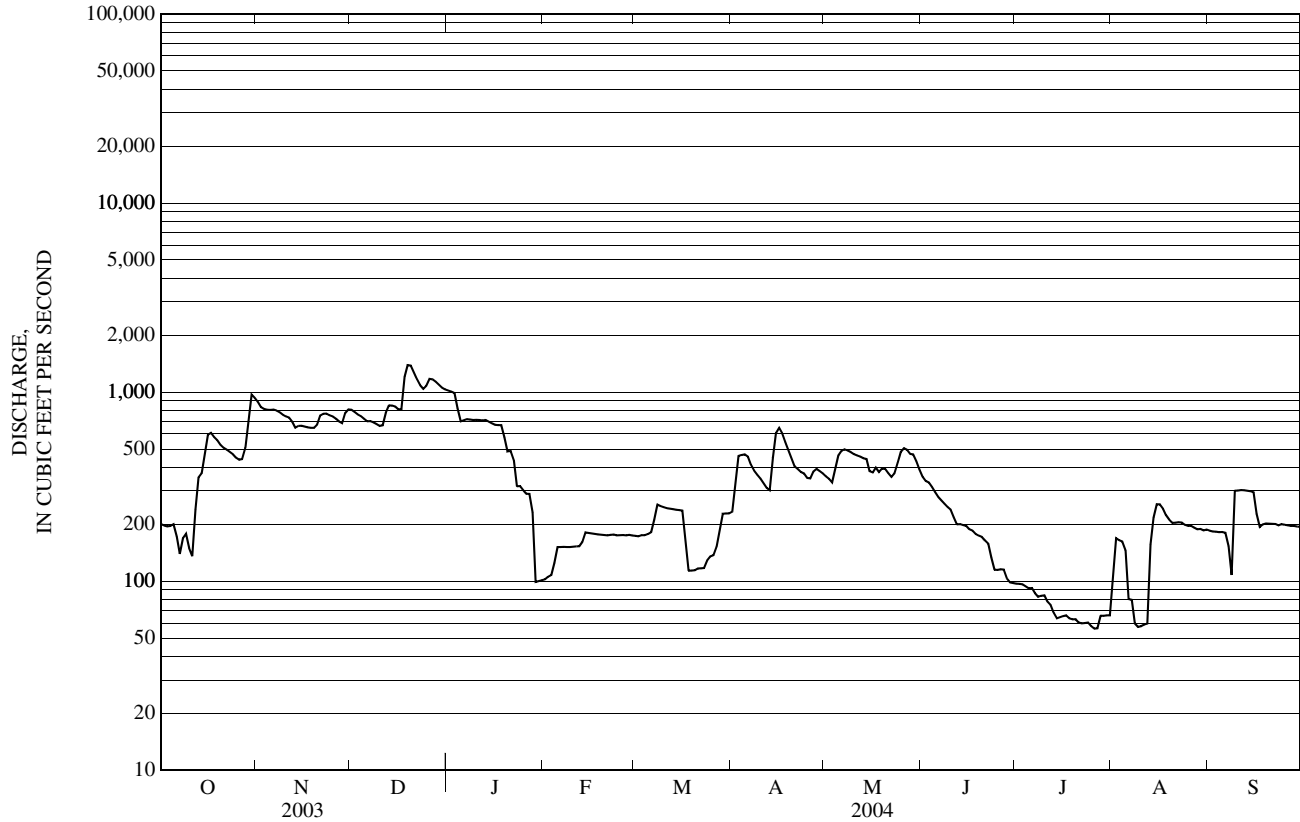
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2004, BY WATER YEAR (WY)

MEAN	254	271	336	288	300	534	932	456	304	185	166	192
MAX	1,039	879	1,517	750	975	2,086	2,386	1,331	1,720	810	285	905
(WY)	(1978)	(1978)	(1984)	(1978)	(1996)	(1936)	(1920)	(1989)	(1917)	(1996)	(1906)	(1954)
MIN	55.0	41.2	39.7	70.5	97.5	126	227	46.9	36.4	29.5	13.6	24.0
(WY)	(1942)	(2002)	(1942)	(2002)	(1942)	(1980)	(1915)	(1999)	(1999)	(1999)	(1983)	(2001)

e Estimated

01049500 COBBOSSECONTEE STREAM AT GARDINER, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1906 - 2004	
ANNUAL TOTAL	126,033		137,713		351	
ANNUAL MEAN	345		376		723	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					172	
HIGHEST DAILY MEAN	1,390	Dec 19	1,390	Dec 19	4,320	Mar 20, 1936
LOWEST DAILY MEAN	47	Jul 29	56	Jul 26	0.00	Aug 25, 1907
ANNUAL SEVEN-DAY MINIMUM	48	Jul 26	59	Jul 21	7.9	Aug 26, 1983
MAXIMUM PEAK FLOW			1,490	Dec 19	5,020	Mar 21, 1936
MAXIMUM PEAK STAGE			6.64	Dec 19		
10 PERCENT EXCEEDS	802		781		770	
50 PERCENT EXCEEDS	251		255		260	
90 PERCENT EXCEEDS	56		97		53	



01049505 KENNEBEC RIVER AT GARDINER, ME

LOCATION.--Lat 44°13'49", long 69°46'10" (corrected), Kennebec County, Hydrologic Unit 01030003 on right bank at Gardiner, at the mouth of Cobbosseecontee Stream, and 0.6 miles upstream of Togus Stream.

DRAINAGE AREA.--5,752 mi².

PERIOD OF RECORD.--

GAGE HEIGHT: February 2000 to current year.

GAGE.--Water stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929.

REMARKS.--No gage-height record, Oct. 6-7, 17, 19-26, and Oct. 28 to Nov. 19. Gage height affected by ocean tides. Flow regulated by Indian and Plymouth Ponds, and Moosehead, Brassua, Flagstaff, Wyman, Great Moose, and Sebasticook Lakes, combined capacity about 50.318 billion ft³. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.65 ft, Dec. 19, 2003; minimum gage height, -2.45 ft, Nov. 13, 2001 and Oct. 6, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of March 1936 reached a stage of 26.4 ft, from floodmarks. The flood of April 1987 reached a stage of 24.7 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.65 ft, Dec. 19; minimum gage height, -2.19 ft, July 1.

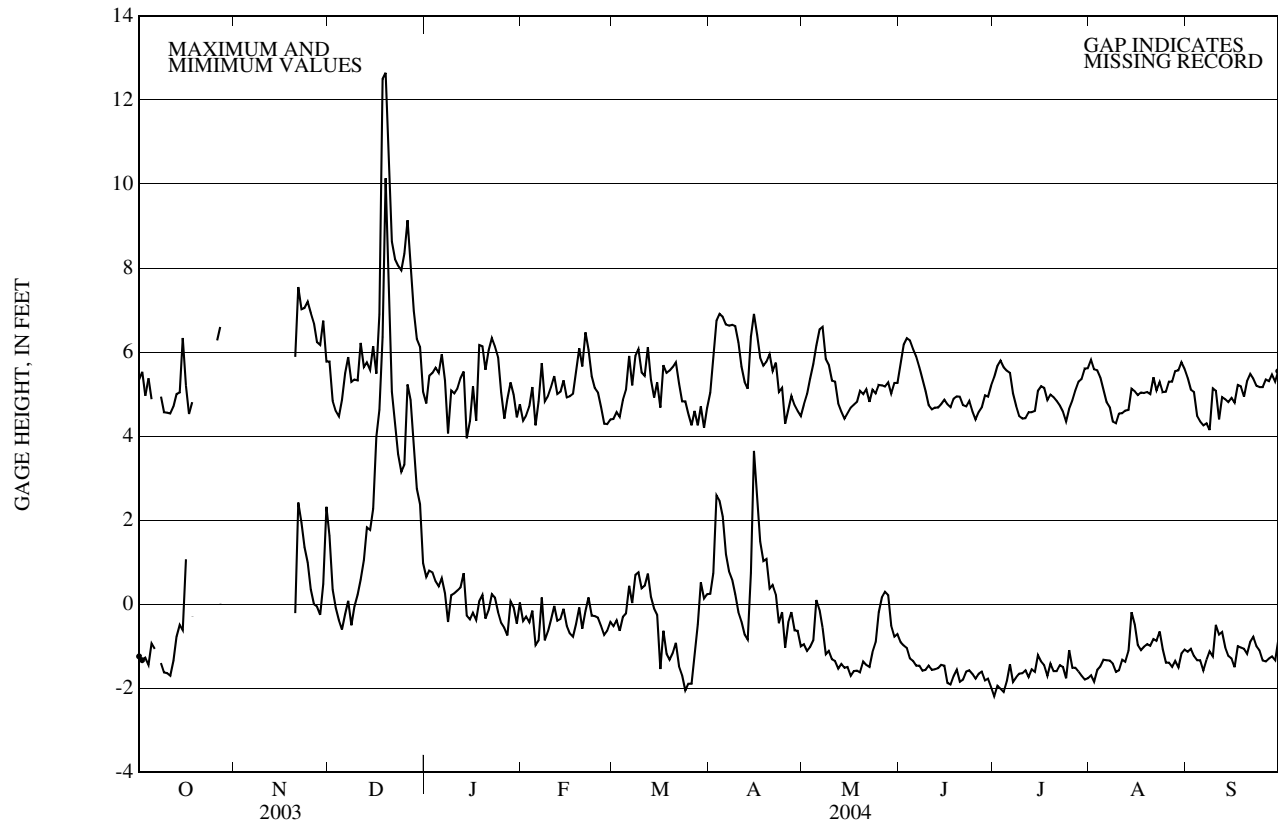
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.34	-1.24	---	---	5.78	1.63	4.78	0.65	4.37	-0.40	4.41	-0.52
2	5.53	-1.33	---	---	4.84	0.35	5.44	0.80	4.49	-0.29	4.57	-0.38
3	4.96	-1.27	---	---	4.60	-0.08	5.51	0.76	4.71	-0.43	4.46	-0.63
4	5.38	-1.44	---	---	4.47	-0.38	5.63	0.55	5.17	-0.15	4.86	-0.30
5	4.88	-0.93	---	---	4.86	-0.60	5.51	0.43	4.26	-0.97	5.10	-0.22
6	---	-1.06	---	---	5.50	-0.23	5.95	0.62	4.83	-0.86	5.91	0.44
7	---	---	---	---	5.88	0.08	5.32	0.26	5.74	0.16	5.21	0.03
8	4.94	-1.40	---	---	5.29	-0.50	4.07	-0.42	4.83	-0.86	5.91	0.70
9	4.57	-1.62	---	---	5.35	-0.05	5.09	0.22	4.96	-0.64	6.07	0.76
10	4.56	-1.64	---	---	5.33	0.23	5.02	0.26	5.17	-0.36	5.52	0.38
11	4.54	-1.70	---	---	6.22	0.59	5.14	0.33	5.43	-0.04	5.44	0.44
12	4.71	-1.34	---	---	5.65	1.05	5.38	0.40	5.00	-0.39	6.12	0.73
13	5.00	-0.77	---	---	5.76	1.83	5.54	0.74	5.06	-0.35	5.35	0.18
14	5.04	-0.49	---	---	5.58	1.77	3.95	-0.27	5.33	-0.11	4.92	-0.10
15	6.34	-0.62	---	---	6.14	2.27	4.36	-0.36	4.92	-0.51	5.28	-0.25
16	5.20	1.07	---	---	5.49	3.99	5.19	-0.20	4.95	-0.69	4.68	-1.54
17	4.53	---	---	---	6.90	4.63	4.37	-0.37	5.01	-0.77	5.69	-0.63
18	4.81	-0.30	---	---	12.50	6.36	6.17	0.07	5.52	-0.47	5.51	-1.18
19	---	---	---	---	12.65	10.14	6.14	0.22	6.09	-0.08	5.56	-1.32
20	---	---	5.89	-0.21	10.23	6.92	5.58	-0.34	5.66	-0.58	5.65	-1.16
21	---	---	7.55	2.42	8.63	5.06	6.05	-0.14	6.47	-0.16	5.76	-0.92
22	---	---	7.02	1.94	8.21	4.24	6.34	0.24	6.06	0.16	5.25	-1.48
23	---	---	7.05	1.36	8.06	3.57	6.14	0.16	5.43	-0.27	4.83	-1.69
24	---	---	7.20	0.99	7.95	3.15	5.88	-0.19	5.15	-0.28	4.83	-2.05
25	---	---	6.94	0.36	8.34	3.32	5.04	-0.44	5.04	-0.32	4.53	-1.89
26	6.28	---	6.69	0.00	9.14	5.23	4.42	-0.56	4.70	-0.51	4.26	-1.89
27	6.60	0.02	6.24	-0.05	8.09	4.86	4.89	-0.74	4.30	-0.73	4.60	-1.20
28	---	---	6.17	-0.25	6.98	3.68	5.28	0.07	4.29	-0.63	4.26	-0.48
29	---	---	6.75	0.48	6.32	2.75	4.99	-0.07	4.40	-0.42	4.71	0.52
30	---	---	5.78	2.32	6.13	2.38	4.45	-0.46	---	---	4.20	0.14
31	---	---	---	---	5.06	0.98	4.76	0.04	---	---	4.67	0.24
MONTH	6.60	-1.70	7.55	-0.25	12.65	-0.60	6.34	-0.74	6.47	-0.97	6.12	-2.05

01049505 KENNEBEC RIVER AT GARDINER, ME—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	5.04	0.25	4.75	-0.95	5.75	-0.90	5.41	-2.19	5.82	-1.69	5.39	-1.13
2	5.89	0.74	5.00	-1.11	6.18	-0.98	5.68	-1.94	5.59	-1.84	5.11	-1.06
3	6.75	2.59	5.37	-1.02	6.33	-1.04	5.80	-2.01	5.57	-1.56	5.05	-1.23
4	6.91	2.46	5.72	-0.86	6.28	-1.29	5.64	-2.09	5.40	-1.48	4.48	-1.33
5	6.84	2.09	6.16	0.10	6.07	-1.35	5.56	-1.84	5.11	-1.32	4.35	-1.33
6	6.66	1.19	6.54	-0.13	5.90	-1.46	5.51	-1.43	4.81	-1.33	4.26	-1.58
7	6.63	0.79	6.60	-0.56	5.64	-1.46	5.02	-1.85	4.69	-1.34	4.31	-1.32
8	6.65	0.59	5.84	-1.19	5.37	-1.58	4.72	-1.74	4.35	-1.41	4.15	-1.12
9	6.62	0.24	5.70	-1.11	5.07	-1.56	4.48	-1.65	4.31	-1.61	5.14	-1.24
10	6.23	-0.19	5.32	-1.31	4.74	-1.46	4.42	-1.64	4.54	-1.57	5.08	-0.49
11	5.66	-0.41	5.30	-1.35	4.64	-1.56	4.43	-1.57	4.55	-1.32	4.40	-0.72
12	5.29	-0.72	4.78	-1.53	4.68	-1.55	4.57	-1.73	4.61	-1.37	4.93	-0.66
13	5.13	-0.84	4.59	-1.42	4.68	-1.52	4.57	-1.55	4.63	-1.11	4.88	-1.03
14	6.37	0.75	4.42	-1.51	4.76	-1.44	4.60	-1.61	5.13	-0.19	4.81	-1.23
15	6.91	3.65	4.55	-1.49	4.87	-1.46	5.08	-1.21	5.07	-0.48	4.91	-1.29
16	6.41	2.41	4.68	-1.70	4.76	-1.87	5.19	-1.36	4.98	-0.97	4.80	-1.50
17	5.87	1.49	4.75	-1.59	4.69	-1.91	5.15	-1.45	5.04	-1.09	5.22	-1.00
18	5.68	1.03	4.82	-1.58	4.89	-1.71	4.86	-1.70	5.03	-1.01	5.19	-1.03
19	5.77	1.08	5.08	-1.62	4.95	-1.56	4.99	-1.41	5.05	-0.95	4.94	-1.06
20	5.95	0.37	5.00	-1.36	4.94	-1.84	4.93	-1.59	5.00	-0.99	5.31	-1.18
21	5.55	0.46	5.12	-1.44	4.74	-1.79	4.84	-1.59	5.40	-0.83	5.48	-0.89
22	5.75	0.23	4.82	-1.49	4.71	-1.60	4.73	-1.45	5.09	-0.87	5.37	-0.77
23	5.05	-0.45	5.11	-1.14	4.84	-1.57	4.59	-1.49	5.29	-0.65	5.20	-1.00
24	5.15	-0.19	5.02	-0.90	4.59	-1.66	4.35	-1.76	5.05	-1.07	5.17	-1.10
25	4.30	-1.03	5.22	-0.19	4.40	-1.77	4.65	-1.09	5.06	-1.39	5.17	-1.34
26	4.63	-0.43	5.21	0.17	4.58	-1.65	4.85	-1.51	5.30	-1.39	5.35	-1.36
27	4.96	-0.19	5.18	0.30	4.69	-1.60	5.09	-1.51	5.30	-1.49	5.31	-1.29
28	4.74	-0.62	5.28	0.22	4.97	-1.81	5.30	-1.60	5.55	-1.35	5.47	-1.24
29	4.60	-0.63	5.01	-0.51	4.94	-1.77	5.36	-1.70	5.57	-1.50	5.30	-1.33
30	4.48	-1.00	5.27	-0.77	5.21	-1.98	5.61	-1.79	5.76	-1.17	5.55	-0.85
31	---	---	5.27	-0.71	---	---	5.62	-1.76	5.60	-1.08	---	---
MONTH	6.91	-1.03	6.60	-1.70	6.33	-1.98	5.80	-2.19	5.82	-1.84	5.55	-1.58
YEAR	12.65	-2.19										



01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH

LOCATION.--Lat 44°52'39", long 71°03'27" (corrected), Coos County, Hydrologic Unit 01040001, on left bank 1.0 mi upstream from mouth, and 1.6 mi north of Wentworth Location.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--

DISCHARGE: July 1941 to current year.

CHEMICAL ANALYSES: Water year 1954.

REVISED RECORDS.--WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 1,259.48 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 2-18, Dec. 28 to Apr. 4, and period of no gage-height record, June 1, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,800 ft³/s, Mar. 31, 1998, gage height, 12.11 ft, from rating curve extended above 7,500 ft³/s; maximum gage height, 12.23 ft, Feb. 21, 1981 (backwater from ice); minimum discharge, 6.8 ft³/s, Aug. 27-28, 1949, Sept. 1, 1952, gage height, 0.81 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 28	0215	4,720	8.34	Apr 20	0545	*5,130	*8.42
Nov 20	1115	4,110	7.94				

Minimum discharge, 50 ft³/s, July 5, gage height, 2.02 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	587	577	e418	e99	e57	e1,040	798	e344	56	89	485
2	76	450	e399	e345	e96	e61	e1,380	709	787	91	82	282
3	75	389	e278	e340	e96	e96	e1,170	615	731	82	160	217
4	85	401	e282	e380	e95	e142	e953	783	434	60	325	183
5	254	349	e253	e361	e92	e114	961	693	323	52	154	156
6	209	434	e210	e303	e88	e181	618	729	260	79	104	140
7	149	362	e190	e244	e83	e250	490	575	225	75	135	131
8	114	290	e241	e182	e81	e173	466	421	201	81	121	129
9	93	228	e245	e159	e79	e137	551	342	191	425	107	979
10	80	232	e283	e148	e77	e123	556	297	311	606	84	1,390
11	73	221	e277	e157	e76	e118	415	291	184	338	73	648
12	68	226	e851	e217	e73	e124	390	267	151	180	84	371
13	64	748	e581	e216	e73	e119	506	235	133	159	642	271
14	60	812	e357	e205	e72	e107	1,370	214	119	119	815	220
15	154	434	e323	e189	e68	e105	1,450	195	165	111	351	193
16	372	341	e295	e177	e65	e98	1,240	196	214	124	314	171
17	263	288	e416	e173	e63	e94	1,230	179	137	171	826	156
18	210	275	e2,810	e171	e62	e91	2,190	183	107	133	332	160
19	171	402	2,180	e167	e61	e90	2,960	479	176	183	236	152
20	145	2,830	1,120	e158	e61	e87	4,440	257	196	188	927	137
21	954	2,450	638	e151	e61	e90	2,120	265	121	156	658	124
22	1,360	909	565	e144	e61	e88	1,400	237	96	113	865	118
23	579	612	493	e139	e61	e85	1,640	289	115	251	390	107
24	382	483	461	e133	e61	e81	1,150	778	96	560	300	95
25	294	419	1,440	e128	e60	e80	881	1,330	82	235	232	89
26	289	348	1,500	e122	e59	e115	963	924	83	153	190	100
27	2,110	303	862	e117	e56	e386	955	673	72	119	164	98
28	3,850	298	e551	e112	e56	e779	830	558	64	109	151	85
29	2,410	1,380	e478	e109	e56	e617	601	679	59	99	143	80
30	2,230	1,050	e500	e105	---	e497	683	429	59	86	779	75
31	894	---	e485	e102	---	e547	---	319	---	79	820	---
TOTAL	18,163	18,551	20,141	6,072	2,091	5,732	35,599	14,939	6,236	5,273	10,653	7,542
MEAN	586	618	650	196	72.1	185	1,187	482	208	170	344	251
MAX	3,850	2,830	2,810	418	99	779	4,440	1,330	787	606	927	1,390
MIN	60	221	190	102	56	57	390	179	59	52	73	75
CFSM	3.85	4.07	4.27	1.29	0.47	1.22	7.81	3.17	1.37	1.12	2.26	1.65
IN.	4.45	4.54	4.93	1.49	0.51	1.40	8.71	3.66	1.53	1.29	2.61	1.85

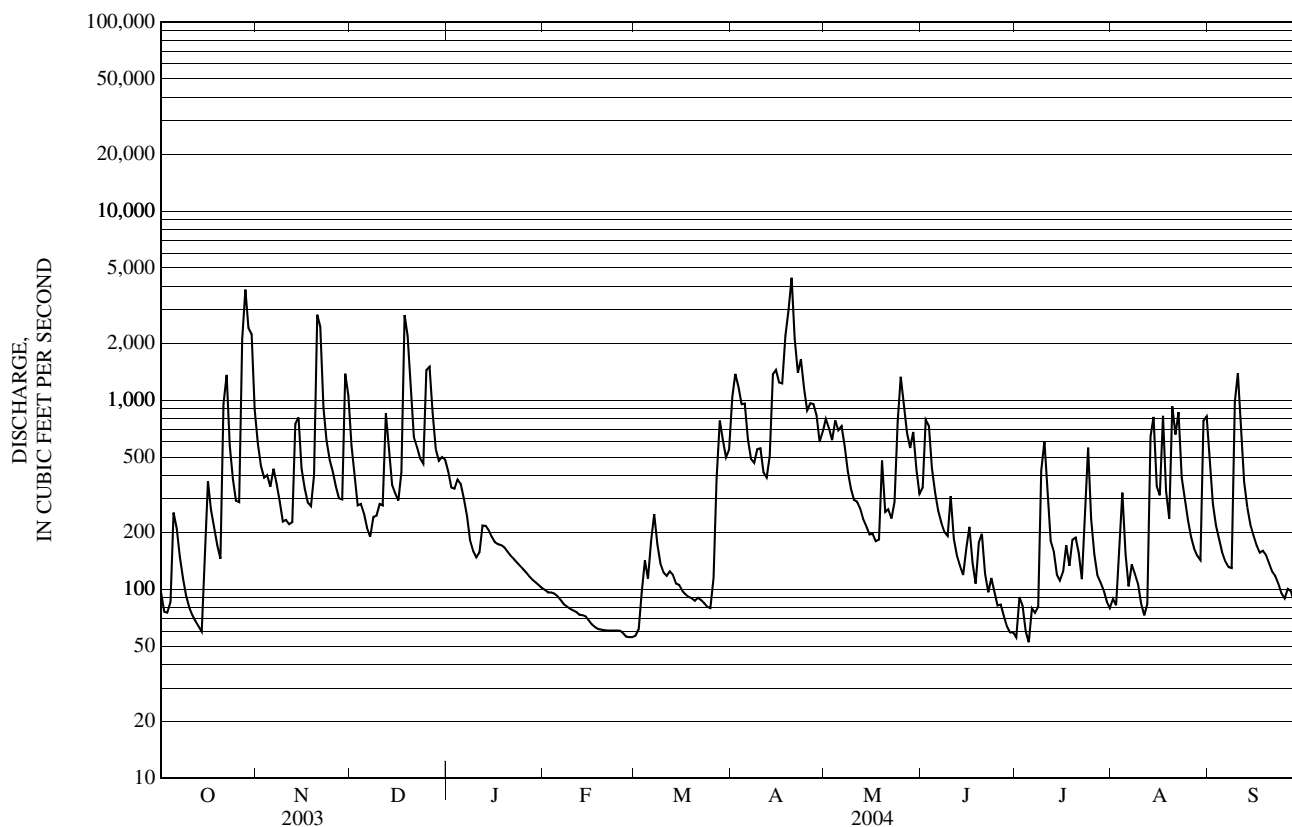
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2004, BY WATER YEAR (WY)

MEAN	266	336	233	166	145	288	1,082	908	319	170	138	149
MAX	869	733	739	575	783	936	1,754	2,115	804	703	492	836
(WY)	(1991)	(1964)	(1974)	(1995)	(1981)	(1998)	(2002)	(1972)	(1943)	(1996)	(1988)	(1954)
MIN	40.9	83.2	53.4	53.9	43.4	54.6	402	297	105	35.1	15.0	16.8
(WY)	(1953)	(1979)	(1979)	(1948)	(1942)	(1967)	(1972)	(1998)	(1963)	(1952)	(1952)	(1952)

e Estimated

01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1941 - 2004	
ANNUAL TOTAL	129,392		150,992		350	
ANNUAL MEAN	354		413		524	1996
HIGHEST ANNUAL MEAN					225	1965
LOWEST ANNUAL MEAN					9,900	Mar 31, 1998
HIGHEST DAILY MEAN	4,060	Apr 16	4,440	Apr 20	6.8	Aug 28, 1949
LOWEST DAILY MEAN	26	Sep 13	52	Jul 5	9.0	Sep 11, 1952
ANNUAL SEVEN-DAY MINIMUM	28	Sep 9	58	Feb 24	12,800	Mar 31, 1998
MAXIMUM PEAK FLOW			5,130	Apr 20	12.23	Feb 21, 1981
MAXIMUM PEAK STAGE			8.42	Apr 20	6.8	Aug 27, 1949
INSTANTANEOUS LOW FLOW			50	Jul 5	2.31	
ANNUAL RUNOFF (CFSM)	2.33		2.71		31.33	
ANNUAL RUNOFF (INCHES)	31.67		36.95		844	
10 PERCENT EXCEEDS	868		935		158	
50 PERCENT EXCEEDS	150		215		52	
90 PERCENT EXCEEDS	46		76			



01053500 ANDROSCOGGIN RIVER AT ERROL, NH

LOCATION.--Lat 44°46'57", long 71°07'43" (corrected), Coos County, Hydrologic Unit 01040001, on right bank 0.4 mi downstream from Errol Dam, 0.4 mi northeast of Errol, and 0.6 mi upstream from Clear Stream.

DRAINAGE AREA.--1,046 mi².

PERIOD OF RECORD.--

DISCHARGE: January 1905 to current year. November and December 1912, monthly discharges only, published in WSP 1301. Prior to 1922, published as "at Errol Dam." Records for water years 1923-44 have not been published but are available in the files of the U.S. Geological Survey.

CHEMICAL ANALYSES: Water years 1955, 1958.

REVISED RECORDS.--WDR ME-81-1: Drainage area. WDR ME-97-1: 1906-43(M) 1978-84(M).

GAGE.--Water-stage recorder. Datum of gage is 1,227.30 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 8, 1943, nonrecording gage at Errol Dam at datum 5.0 ft higher.

REMARKS.--Records good, except for periods of doubtful gage-height record, Aug. 6-13, Sept. 19, 26-28, and period of no gage-height record, Dec. 22-23, which are fair. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, combined usable capacity about 28.1 billion ft³, with final regulation at Errol Dam, 0.4 mi upstream. Telephone and satellite telemeters at station. Gage is operated in conjunction with a co-located precipitation gage (station 444657071074401). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s, May 22, 1969, gage height 9.40 ft; minimum daily discharge, leakage only at various times when gates in dam were closed in water years 1918, 1919, 1923, 1924, 1928, and 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,430 ft³/s, Dec. 20, gage height, 6.27 ft; minimum daily discharge, 992 ft³/s, Mar. 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,580	3,170	3,420	2,530	3,350	3,430	1,010	1,400	1,560	1,370	1,230	1,770
2	1,580	2,600	2,800	2,530	3,360	3,430	1,300	1,400	1,640	1,390	1,220	1,720
3	1,590	2,600	2,580	2,530	2,930	3,430	1,710	1,440	1,890	1,360	1,230	1,620
4	1,580	2,400	2,580	2,540	2,910	3,430	1,860	1,430	1,680	1,360	1,230	1,660
5	1,580	2,240	2,580	2,530	3,380	3,420	1,870	1,680	1,440	1,360	1,230	1,620
6	1,580	2,110	2,580	2,530	3,490	3,410	1,870	1,830	1,370	1,370	e1,230	1,690
7	1,580	2,030	2,640	2,520	3,500	3,400	1,870	1,820	1,370	1,370	e1,230	1,840
8	1,580	2,030	2,790	2,510	3,500	3,390	1,870	1,820	1,270	1,370	e1,230	1,910
9	1,580	2,020	2,760	2,510	3,500	2,850	1,860	1,820	1,250	1,560	e1,230	1,910
10	1,580	2,020	2,820	2,510	3,500	2,520	1,860	1,700	1,310	1,940	e1,230	1,600
11	1,590	2,160	2,670	2,510	3,490	2,520	1,860	1,630	1,320	2,330	e1,230	1,540
12	1,590	2,230	2,570	2,770	3,490	2,520	1,850	1,560	1,320	2,070	e1,230	1,620
13	1,580	2,240	3,020	3,190	3,490	2,480	2,300	1,280	1,320	1,790	e1,470	1,630
14	1,580	2,250	3,560	3,170	3,490	2,450	2,530	1,380	1,330	1,350	1,630	1,630
15	1,520	2,240	4,830	3,170	3,480	2,430	2,520	1,480	1,330	1,270	1,630	1,860
16	1,250	2,230	5,670	3,170	3,480	2,400	2,530	1,470	1,330	1,240	1,630	2,010
17	1,250	2,230	5,590	3,170	3,470	2,390	2,540	1,470	1,360	1,250	1,660	2,010
18	1,390	2,250	6,660	3,150	3,470	2,180	2,540	1,350	1,370	1,250	1,660	2,010
19	1,470	2,240	7,460	3,110	3,450	2,040	3,500	1,230	1,370	1,250	1,660	e2,010
20	1,480	3,670	8,100	3,110	3,440	2,040	5,550	1,230	1,370	1,250	1,640	1,980
21	1,210	4,570	8,370	3,150	3,440	2,040	6,680	1,230	1,370	1,250	1,640	1,980
22	1,070	4,560	e8,260	3,200	3,510	2,040	4,580	1,220	1,370	1,250	1,650	1,980
23	1,070	4,010	e7,720	3,180	3,450	2,040	2,540	1,220	1,370	1,250	1,650	1,970
24	1,410	3,700	7,410	3,180	3,460	2,040	2,550	1,220	1,370	1,250	1,650	1,970
25	1,810	3,700	7,290	3,180	3,450	2,040	2,560	1,800	1,370	1,240	1,640	1,970
26	2,680	3,460	6,900	3,180	3,450	2,030	2,550	2,120	1,360	1,250	1,640	e1,970
27	3,840	3,960	6,180	3,180	3,580	1,800	2,560	2,400	1,360	1,240	1,640	e1,970
28	6,330	4,320	5,890	2,790	3,440	1,620	2,310	2,540	1,360	1,230	1,640	e1,970
29	7,050	4,370	5,860	2,850	3,440	1,310	1,940	2,140	1,360	1,230	1,640	1,910
30	7,000	4,040	4,090	3,340	---	992	1,550	1,700	1,360	1,230	1,730	1,880
31	5,180	---	2,640	3,350	---	997	---	1,550	---	1,230	1,810	---
TOTAL	69,160	87,650	148,290	90,340	99,390	75,109	74,620	49,560	41,850	43,150	46,060	55,210
MEAN	2,231	2,922	4,784	2,914	3,427	2,423	2,487	1,599	1,395	1,392	1,486	1,840
MAX	7,050	4,570	8,370	3,350	3,580	3,430	6,680	2,540	1,890	2,330	1,810	2,010
MIN	1,070	2,020	2,570	2,510	2,910	992	1,010	1,220	1,250	1,230	1,220	1,540

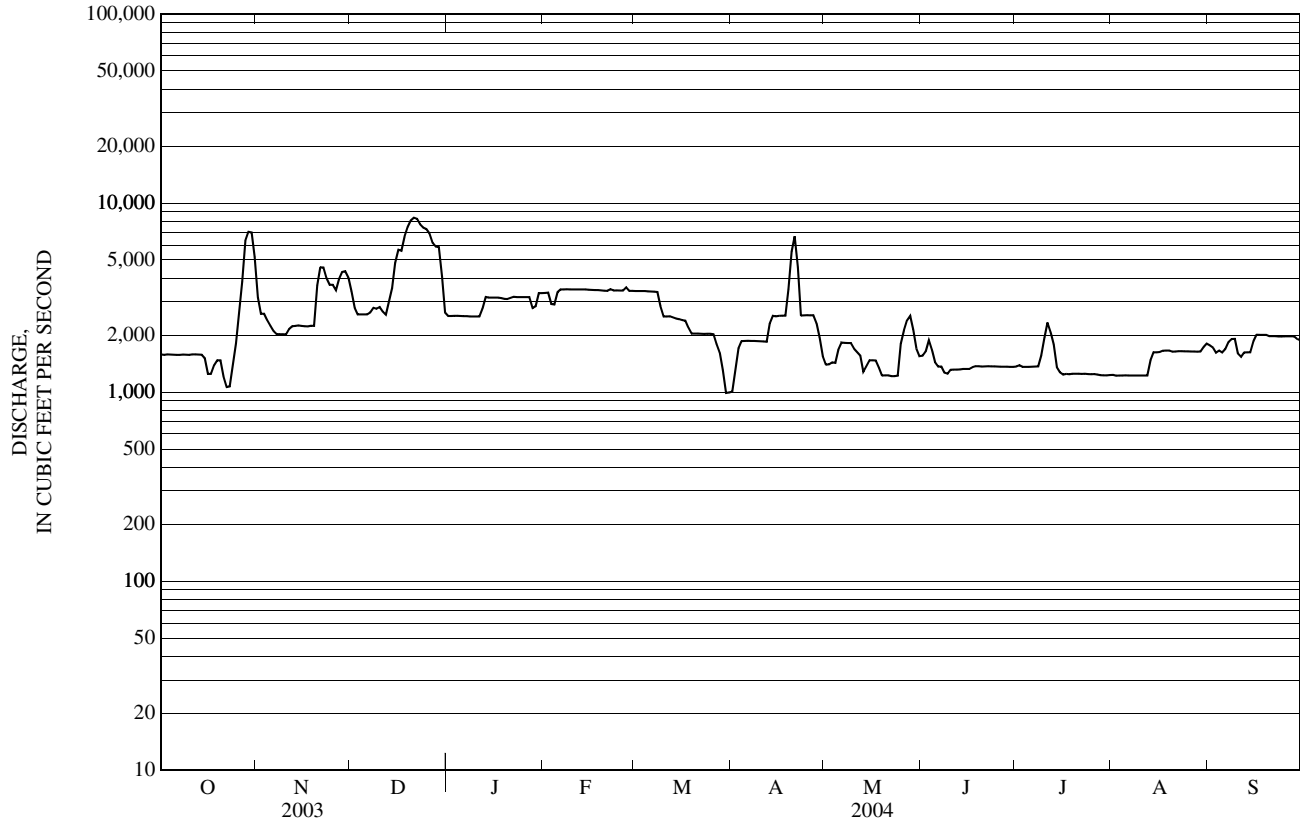
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2004, BY WATER YEAR (WY)

MEAN	1,589	1,554	1,721	1,792	1,862	1,856	2,169	3,062	2,252	1,770	1,675	1,683
MAX	3,949	3,745	4,784	3,589	3,644	5,454	4,736	8,192	7,129	4,621	2,265	4,738
(WY)	(1955)	(1908)	(2004)	(1970)	(1996)	(1936)	(1913)	(1974)	(1917)	(1996)	(1990)	(1954)
MIN	921	759	844	760	718	592	770	1,027	763	808	840	902
(WY)	(1922)	(1922)	(1909)	(1909)	(1911)	(1948)	(1940)	(1941)	(1911)	(1915)	(1915)	(1911)

e Estimated

01053500 ANDROSCOGGIN RIVER AT ERROL, NH—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1905 - 2004	
ANNUAL TOTAL	714,905		880,389		1,914	
ANNUAL MEAN	1,959		2,405		3,117	
HIGHEST ANNUAL MEAN					1,046	
LOWEST ANNUAL MEAN					16,100	
HIGHEST DAILY MEAN	8,370	Dec 21	8,370	Dec 21	16,100	May 22, 1969
LOWEST DAILY MEAN	886	Aug 7	992	Mar 30	0.00	Oct 31, 1917
ANNUAL SEVEN-DAY MINIMUM	1,010	May 28	1,230	Jul 28	152	Mar 21, 1948
MAXIMUM PEAK FLOW			8,430	Dec 20	16,500	May 22, 1969
MAXIMUM PEAK STAGE			6.27	Dec 20	9.40	May 22, 1969
10 PERCENT EXCEEDS	3,380		3,520		2,630	
50 PERCENT EXCEEDS	1,500		1,970		1,680	
90 PERCENT EXCEEDS	1,230		1,250		1,130	



01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH

LOCATION.--Lat 44°26'09", long 71°11'25" (corrected), Coos County, Hydrologic Unit 01040001, on right bank at Pulsifer Rips, 2.2 mi downstream from Dead River, and 4.0 mi upstream from Gorham.

DRAINAGE AREA.--1,361 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1913 to current year. October 1922 to September 1928, monthly discharge only, published in WSP 1301. Discharges for Deceember 1917 not used in long-term statistics because of unknown discharge on Dec. 25, 1917. Prior to October 1928, published as "at Berlin."

REVISED RECORDS.--WDR ME-81-1: Drainage area. WDR ME-97-1: 1913-28(M)

GAGE.--Water-stage recorder. Datum of gage is 832.88 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1922, nonrecording gage showing head and tailwater elevations at site 3 mi upstream at different datum.

REMARKS.--Records good, including periods of no gage-height record, July 1-7 and 28. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, combined usable capacity about 28.1 billion ft³, with final regulation at Errol Dam 35 mi upstream. Diurnal fluctuations caused by power plant 0.8 mi upstream. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s, estimated, Apr. 30, 1923; minimum daily discharge, leakage only, Dec. 25, 1917, when gates in dam were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,600 ft³/s, Oct. 30, gage height, 7.93 ft; minimum daily discharge, 944 ft³/s, July 2.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,700	4,970	4,610	3,270	3,220	3,370	3,020	1,860	1,960	e1,290	1,520	2,610
2	1,740	3,580	3,590	3,100	3,370	3,390	4,220	1,850	2,150	e944	1,500	2,260
3	1,650	3,430	2,930	3,120	3,310	3,480	4,710	2,090	2,740	e1,540	1,410	1,910
4	1,660	3,470	2,790	3,140	2,590	3,510	4,260	2,790	2,300	e1,410	1,400	1,850
5	1,780	3,130	2,690	3,080	3,080	3,500	3,970	2,860	1,890	e1,370	1,360	1,830
6	1,780	2,830	2,570	2,990	3,420	3,660	3,390	2,770	1,770	e1,410	1,330	1,760
7	1,720	2,590	2,390	2,770	3,430	3,800	2,910	2,490	1,600	e1,460	1,330	1,860
8	1,680	2,500	2,770	2,410	3,400	3,760	2,840	2,340	1,680	1,490	1,570	1,990
9	1,670	2,380	2,970	2,740	3,180	3,580	2,980	2,270	1,500	2,170	1,510	2,420
10	1,650	2,300	2,950	2,700	3,470	2,860	3,100	2,120	1,770	3,220	1,470	3,700
11	1,650	2,350	3,250	2,670	3,510	2,770	2,840	1,930	1,660	2,700	1,400	2,880
12	1,640	2,490	4,230	2,890	3,390	2,800	2,740	2,040	1,560	2,660	1,360	2,230
13	1,620	2,770	4,000	3,170	3,390	2,730	3,030	1,780	1,480	2,110	1,950	2,050
14	1,610	3,180	3,810	3,070	3,400	2,660	4,540	1,550	1,280	1,770	3,000	1,910
15	2,340	2,810	4,480	3,240	3,370	2,620	5,140	1,690	1,480	1,510	2,370	1,880
16	2,510	2,600	5,990	3,310	3,330	2,520	4,560	1,840	1,410	1,440	1,890	2,120
17	1,870	2,540	6,120	3,240	3,340	2,430	4,140	1,840	1,350	1,500	2,050	2,140
18	1,690	2,500	8,460	3,230	3,350	2,390	4,390	1,760	1,430	1,490	2,050	2,300
19	1,780	2,540	9,690	3,260	3,370	2,180	5,000	1,580	1,480	1,450	1,860	2,440
20	1,760	5,500	9,250	3,250	3,350	2,170	7,660	1,580	1,510	1,440	1,840	2,280
21	3,220	8,030	9,190	3,210	3,390	2,130	7,980	1,520	1,480	1,470	1,960	2,160
22	4,360	6,320	8,900	3,220	3,380	2,090	7,100	1,470	1,430	1,360	2,390	2,160
23	2,730	5,360	8,060	3,290	3,420	2,120	4,320	1,550	1,460	1,430	2,180	2,180
24	2,120	4,420	8,170	3,220	3,370	2,080	3,580	2,150	1,440	1,970	1,950	2,060
25	2,360	4,280	9,280	3,180	3,360	2,100	3,400	3,060	1,430	1,790	1,900	2,040
26	2,680	4,090	9,630	3,150	3,340	2,190	3,410	3,360	1,430	1,530	1,790	2,100
27	4,490	3,980	8,140	3,180	3,440	2,690	3,570	3,120	1,420	1,460	1,730	2,100
28	9,650	4,620	7,030	3,210	3,370	3,180	3,390	3,120	1,410	e1,420	1,750	2,110
29	10,100	5,530	6,430	2,600	3,360	3,180	2,940	2,990	1,410	1,410	1,780	2,080
30	10,800	5,700	4,980	2,910	---	2,640	2,480	2,370	1,390	1,360	2,200	1,920
31	8,380	---	3,640	3,230	---	2,800	---	1,890	---	1,350	2,760	---
TOTAL	96,390	112,790	172,990	95,050	96,700	87,380	121,610	67,630	48,300	50,924	56,560	65,330
MEAN	3,109	3,760	5,580	3,066	3,334	2,819	4,054	2,182	1,610	1,643	1,825	2,178
MAX	10,800	8,030	9,690	3,310	3,510	3,800	7,980	3,360	2,740	3,220	3,000	3,700
MIN	1,610	2,300	2,390	2,410	2,590	2,080	2,480	1,470	1,280	944	1,330	1,760

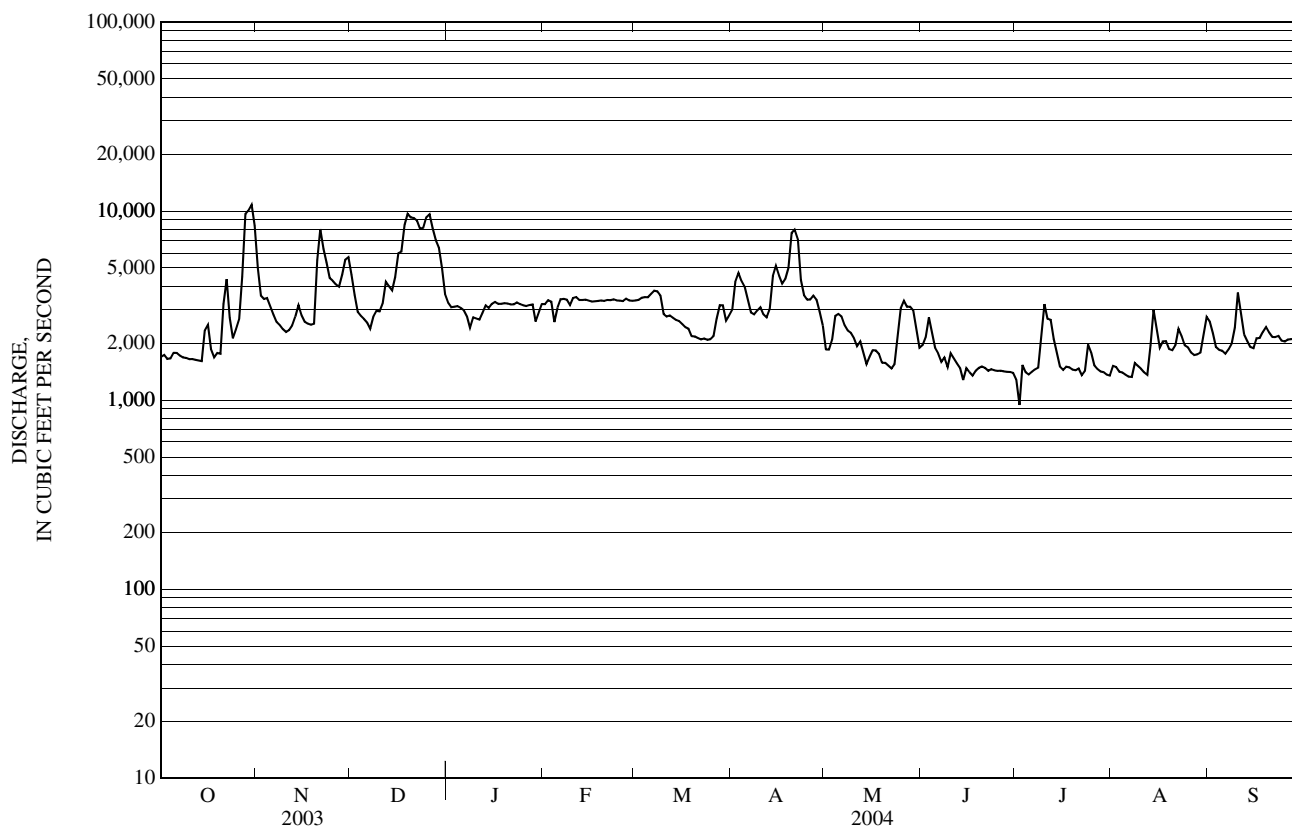
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2004, BY WATER YEAR (WY)

MEAN	2,049	2,106	2,164	2,142	2,164	2,494	3,954	4,217	2,779	2,067	1,919	1,969
MAX	4,894	4,292	5,811	4,044	4,294	7,684	6,474	10,050	10,560	5,840	2,792	6,387
(WY)	(1955)	(1991)	(1974)	(1970)	(1996)	(1936)	(1976)	(1937)	(1917)	(1996)	(1990)	(1954)
MIN	1,374	1,365	1,257	1,276	1,299	1,376	1,755	1,746	1,545	1,424	1,462	1,330
(WY)	(1942)	(2002)	(1953)	(1953)	(1922)	(1922)	(1965)	(1941)	(1915)	(2003)	(1995)	(1995)

e Estimated

01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1914 - 2004	
ANNUAL TOTAL	874,320		1,071,654			
ANNUAL MEAN	2,395		2,928		2,506	
HIGHEST ANNUAL MEAN					4,147	
LOWEST ANNUAL MEAN					1,689	
HIGHEST DAILY MEAN	10,800	Oct 30	10,800	Oct 30	20,000	Jun 18, 1917
LOWEST DAILY MEAN	1,260	Mar 15	944	Jul 2	795	Mar 15, 1948
ANNUAL SEVEN-DAY MINIMUM	1,310	Mar 11	1,330	Jun 26	866	Mar 10, 1948
MAXIMUM PEAK FLOW			11,600	Oct 30	21,900	Apr 30, 1923
MAXIMUM PEAK STAGE			7.93	Oct 30		
10 PERCENT EXCEEDS	4,380		4,500		3,750	
50 PERCENT EXCEEDS	1,610		2,600		2,000	
90 PERCENT EXCEEDS	1,340		1,470		1,580	



ANDROSCOGGIN RIVER BASIN
01054200 WILD RIVER AT GILEAD, ME

(Hydrologic bench-mark station)

LOCATION.--Lat 44°23'26", long 70°58'47" (corrected), Oxford County, Hydrologic Unit 01040002, on right bank 200 ft upstream from highway bridge on U.S. Route 2, 2,000 ft upstream from mouth, and 0.4 mi west of Gilead.

DRAINAGE AREA.--69.6 mi².

PERIOD OF RECORD.--

DISCHARGE: July 1964 to current year.

CHEMICAL ANALYSES: Water years 1966 to current year.

WATER TEMPERATURE: July 1964 to September 1983, November 1991 to September 1993.

REVISED RECORDS.--WDR ME-81-1: Drainage area. WDR ME-98-1: 1960(M), 1967-68(M), 1970(M), 1973-74(M), 1976-77(M), 1979(M), 1984(M), 1986-87(M), 1991(M), 1996-97(P).

GAGE.--Water-stage recorder. Datum of gage is 683.10 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 12, 1977, at site 180 ft downstream on left bank at same datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 4-11, 15-17, 20-24, Dec. 28 to Mar. 26, and period of doubtful gage-height record, Aug. 18 to Sept. 30, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft³/s, Oct. 22, 1995, gage height, 14.84 ft; minimum discharge, 6.0 ft³/s, Sept. 10-11, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct. 24, 1959, reached a stage of 15.6 ft, from floodmarks; discharge, 28,300 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,200 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 15	1045	14,600	11.96	Nov 29	0600	3,290	6.85
Oct 27	2245	6,900	8.94	Dec 11	2130	6,820	8.90
Oct 29	1415	5,680	8.32	Dec 18	0145	*15,000	*12.06
Nov 20	0915	6,900	8.94				

Minimum discharge, 17 ft³/s, Aug. 10-11, gage height, 2.84 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	354	325	e222	e54	e38	380	243	128	30	44	161
2	125	299	247	e191	e54	e45	930	231	188	69	47	97
3	108	305	188	e206	e55	e67	623	302	170	41	30	73
4	172	305	e164	e204	e59	e97	585	833	136	30	27	59
5	355	268	e147	e181	e59	e80	463	355	110	27	24	49
6	194	264	e140	e155	e57	e93	267	256	95	31	20	46
7	147	223	e135	e136	e56	e148	209	218	87	27	20	46
8	124	192	e228	e124	e54	e136	209	179	77	28	20	42
9	109	162	e266	e115	e53	e106	243	156	69	111	21	962
10	98	154	e409	e111	e52	e90	236	142	68	90	19	988
11	93	146	e1,460	e115	e52	e84	196	142	58	58	18	290
12	91	147	2,040	e138	e50	e81	183	131	52	39	39	173
13	136	591	497	e135	e49	e79	271	117	49	31	527	133
14	107	350	325	e119	e48	e87	1,940	106	46	31	516	102
15	2,850	231	e277	e108	e47	e79	773	104	46	56	139	90
16	694	192	e247	e99	e45	e74	459	132	41	62	99	86
17	348	171	e1,200	e93	e45	e68	387	115	36	43	318	76
18	260	159	4,380	e87	e44	e64	685	100	35	34	143	174
19	218	223	659	e83	e43	e60	795	180	38	35	93	173
20	182	2,260	e395	e79	e43	e57	780	122	41	100	74	108
21	597	724	e293	e76	e42	e54	362	105	32	128	119	84
22	452	402	e273	e72	e42	e53	302	100	30	61	182	78
23	286	304	e234	e69	e42	e52	332	195	39	43	95	69
24	228	259	e494	e66	e42	e52	259	647	32	48	72	56
25	196	232	1,640	e64	e41	e51	210	506	29	38	56	54
26	205	205	726	e62	e41	e50	243	361	31	31	49	61
27	1,390	185	393	e60	e40	145	266	263	31	28	46	50
28	1,700	205	e293	e59	e39	435	226	222	27	34	44	47
29	2,460	1,740	e265	e57	e38	401	179	216	33	35	40	47
30	1,060	479	e267	e56	---	341	221	160	41	28	53	41
31	476	---	e259	e55	---	301	---	134	---	25	511	---
TOTAL	15,605	11,731	18,866	3,397	1,386	3,568	13,214	7,073	1,895	1,472	3,505	4,515
MEAN	503	391	609	110	47.8	115	440	228	63.2	47.5	113	150
MAX	2,850	2,260	4,380	222	59	435	1,940	833	188	128	527	988
MIN	91	146	135	55	38	38	179	100	27	25	18	41
CFSM	7.23	5.62	8.74	1.57	0.69	1.65	6.33	3.28	0.91	0.68	1.62	2.16
IN.	8.34	6.27	10.08	1.82	0.74	1.91	7.06	3.78	1.01	0.79	1.87	2.41

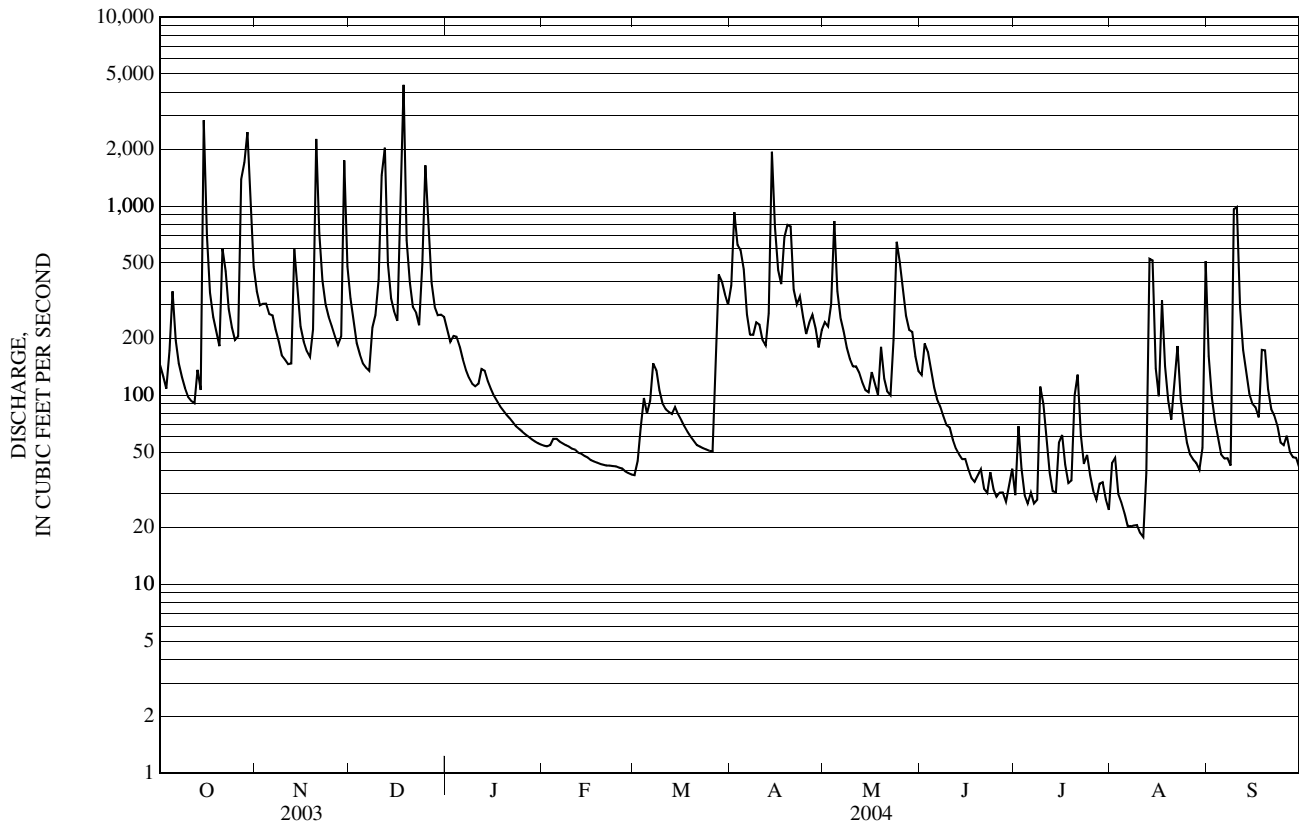
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	148	207	153	112	102	230	515	389	151	73.5	66.7	66.0
MAX	503	587	609	483	579	558	900	1,028	785	353	251	438
(WY)	(2004)	(1970)	(2004)	(1986)	(1981)	(1979)	(1984)	(1969)	(1998)	(1996)	(2003)	(1999)
MIN	17.4	32.0	21.5	18.2	19.9	25.4	164	158	49.9	16.1	10.6	11.1
(WY)	(1965)	(1979)	(1979)	(1981)	(1980)	(1967)	(1995)	(1993)	(1970)	(1991)	(2002)	(1995)

e Estimated

01054200 WILD RIVER AT GILEAD, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	91,653		86,227		185	
ANNUAL MEAN	251		236		294	
HIGHEST ANNUAL MEAN					72.9	
LOWEST ANNUAL MEAN					1965	
HIGHEST DAILY MEAN	4,380	Dec 18	4,380	Dec 18	7,510	Jun 14, 1998
LOWEST DAILY MEAN	16	Jul 10	18	Aug 11	6.1	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	19	Jul 4	20	Aug 5	7.1	Sep 5, 2002
MAXIMUM PEAK FLOW			15,000	Dec 18	24,500	Oct 22, 1995
MAXIMUM PEAK STAGE			12.06	Dec 18	14.84	Oct 22, 1995
INSTANTANEOUS LOW FLOW			17	Aug 10	6.0	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	3.61		3.38		2.65	
ANNUAL RUNOFF (INCHES)	48.99		46.09		36.04	
10 PERCENT EXCEEDS	516		484		405	
50 PERCENT EXCEEDS	124		113		76	
90 PERCENT EXCEEDS	26		38		22	



WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964 to current year.

CHEMICAL ANALYSES: Water years 1966 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July 1964 to September 1983, November 1991 to September 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Gage height, feet (00065)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unfl lab, uS/cm 25 degC (90095)	Temper- ature, water, deg C (00010)	Calcium water, fltrd mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, water, unfltrd Gran titr., ueq/L (00409)	Chlor- ide, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
OCT													
17...	1130	3.92	5.5	15	7.3	.97	.35	.28	.94	18	.6	2.61	3.2
MAR													
26...	1120	3.13	6.6	17	.2	1.18	.42	--	--	49	.5	3.24	3.7
APR													
13...	0955	3.76	6.3	14	2.0	.95	.32	--	--	28	.4	2.35	3.2
13...	2320	4.65	6.2	14	2.2	.99	.32	--	--	32	.4	2.29	3.1
14...	0030	5.47	6.1	13	2.0	.95	.30	--	--	25	.4	2.17	3.0
14...	0515	6.62	5.8	12	1.2	.81	.26	--	--	18	.3	1.60	2.6
14...	0900	6.13	5.6	12	1.2	.79	.26	--	--	17	.3	1.57	2.6
15...	1120	4.51	5.8	12	2.3	.82	.27	--	--	17	.4	1.87	3.0
25...	0555	3.70	6.0	13	4.5	.83	.29	--	--	19	.4	2.15	3.1
MAY													
04...	0130	4.51	6.0	12	10.0	.83	.29	--	--	22	.4	2.02	2.9
04...	0805	5.24	5.7	12	8.2	.81	.28	--	--	18	.4	1.89	2.8
05...	2125	4.33	5.8	12	7.1	.83	.28	--	--	20	.4	2.02	3.0
06...	0920	3.81	6.2	13	6.3	.87	.29	--	--	24	.4	2.16	3.1
23...	0935	3.70	6.3	15	10.3	1.00	.36	--	--	41	.3	2.82	3.2
24...	0820	4.56	6.2	15	10.3	.99	.35	--	--	37	.3	2.69	2.9
24...	1350	4.98	5.9	13	9.9	1.19	.32	--	--	29	.3	2.32	2.6
25...	1640	4.16	5.9	13	9.6	.98	.31	--	--	27	.3	2.36	2.9
JUL													
09...	1940	3.58	6.2	16	18.1	1.09	.37	--	--	47	.3	3.04	3.1
20...	1600	3.44	6.4	17	21.7	1.22	.41	--	--	65	.3	3.31	3.2
AUG													
05...	1220	2.92	6.5	18	19.7	1.23	.42	--	--	81	.4	3.36	3.3
13...	0230	3.30	6.4	20	19.7	1.30	.44	--	--	87	.4	3.33	3.4
13...	0645	4.64	6.2	17	18.8	1.12	.38	--	--	66	.4	2.95	3.3
13...	2015	4.65	6.0	17	18.4	1.44	.44	--	--	61	.3	2.77	2.8
13...	2024	5.88	6.0	17	18.4	1.39	.43	--	--	58	.3	2.72	2.8
13...	2054	6.50	5.8	16	18.0	1.18	.38	--	--	44	.3	2.45	2.8
14...	0224	4.83	5.5	15	16.9	1.21	.38	--	--	36	.2	2.21	2.5
14...	1203	4.03	5.7	15	18.8	1.16	.37	--	--	36	.3	2.41	2.8

WATER-QUALITY RECORDS--Continued

Date	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water, fltrd, mg/L as N (00618)	Organic carbon, water, fltrd, mg/L (00681)	Alum- inum, water, fltrd, ug/L (01106)	Organic mono- meric alum- inum, wat unf ug/L (49288)
OCT					
17...	<.028	<.03	3.8	133	<40
MAR					
26...	<.028	.03	1.5	52	--
APR					
13...	<.028	<.03	2.2	88	--
13...	<.028	<.03	3.1	92	--
14...	.028	<.03	3.3	116	--
14...	<.028	<.03	4.1	200	--
14...	<.028	<.03	4.3	203	--
15...	<.028	<.03	3.5	188	--
25...	<.028	<.03	2.9	188	--
MAY					
04...	<.028	<.03	3.7	192	--
04...	<.028	<.03	5.0	195	--
05...	<.028	<.03	4.3	195	--
06...	<.028	<.03	2.7	130	--
23...	<.028	<.03	3.5	86	--
24...	--	<.03	4.3	120	--
24...	--	<.03	5.7	326	--
25...	--	<.03	4.8	203	--
JUL					
09...	--	<.03	5.7	114	--
20...	--	<.03	3.8	50	--
AUG					
05...	<.028	<.03	2.3	53	--
13...	<.028	<.03	3.6	66	--
13...	.029	<.03	4.1	105	--
13...	<.028	<.03	9.4	230	--
13...	<.028	<.03	9.1	224	--
13...	.038	<.03	8.7	257	--
14...	.029	<.03	12.0	374	--
14...	<.028	<.03	8.8	270	--

01054300 ELLIS RIVER AT SOUTH ANDOVER, ME

LOCATION.--Lat 44°35'36", long 70°43'59" (corrected), Oxford County, Hydrologic Unit 01040002, on left bank 100 ft upstream from covered bridge at South Andover.

DRAINAGE AREA.--130 mi².

PERIOD OF RECORD.--

DISCHARGE: February 1963 to September 1982, October 2000 to current year.

REVISED RECORDS.--WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 620.00 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good, except for periods of ice effect, Dec. 4-11, and Dec. 29 to Apr. 1, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,830 ft³/s, Dec. 18, 2003, gage height, 19.26 ft; minimum discharge, 8.4 ft³/s, Sept. 11, 2002.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 22	0015	2,250	14.36	Dec 12	0930	4,620	17.22
Oct 30	0030	3,540	16.19	Dec 18	0930	*7,830	*19.26
Nov 20	2115	2,570	14.93	Dec 26	0200	3,580	16.23

Minimum discharge, 37 ft³/s, July 5-6, and 8, gage height, 4.47 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	163	789	565	e490	e77	e57	e377	354	213	41	63	253
2	148	630	468	e433	e76	e60	941	336	280	48	73	152
3	142	569	375	e407	e75	e85	1,330	336	352	57	68	110
4	145	544	e331	e387	e81	e108	995	671	261	43	121	88
5	365	484	e301	e364	e83	e95	952	702	212	38	86	74
6	291	453	e282	e332	e79	e159	700	533	177	40	65	66
7	225	412	e385	e300	e86	e178	571	431	156	41	59	61
8	186	372	e460	e268	e83	e151	535	354	141	39	64	58
9	158	329	e416	e237	e76	e125	566	299	123	78	56	215
10	139	301	e382	e209	e74	e109	549	266	111	166	48	765
11	126	283	e402	e187	e73	e102	460	244	97	99	45	451
12	117	274	3,250	e170	e71	e109	419	226	87	72	54	279
13	120	502	2,290	e153	e70	e115	458	203	80	59	235	205
14	114	617	1,580	e139	e68	e112	1,080	180	74	53	557	155
15	526	434	1,370	e130	e66	e99	1,160	167	72	69	316	125
16	994	365	1,310	e123	e64	e91	865	198	71	102	212	106
17	503	324	1,230	e117	e63	e85	707	197	64	101	237	92
18	388	294	5,420	e115	e62	e81	842	166	59	88	187	132
19	335	291	4,130	e112	e62	e77	915	227	59	86	138	213
20	299	1,220	2,870	e109	e62	e74	1,050	198	75	110	121	146
21	900	1,570	2,090	e104	e64	e71	691	164	63	207	124	111
22	1,680	798	1,760	e100	e71	e69	536	146	56	139	214	95
23	817	584	1,510	e98	e69	e68	521	161	58	103	150	83
24	572	491	1,330	e94	e67	e67	455	324	55	185	124	73
25	465	443	2,550	e90	e65	e66	407	604	51	167	102	68
26	416	400	3,030	e87	e62	e81	418	570	50	116	84	67
27	532	363	1,770	e85	e61	e194	474	506	48	91	74	62
28	1,530	344	1,150	e83	e59	e283	440	391	45	86	67	58
29	1,600	975	e845	e81	e57	e292	368	362	43	81	62	56
30	2,440	843	e694	e79	---	e277	342	291	42	69	80	53
31	1,170	---	e570	e78	---	e266	---	240	---	60	370	---
TOTAL	17,606	16,298	45,116	5,761	2,026	3,806	20,124	10,047	3,275	2,734	4,256	4,472
MEAN	568	543	1,455	186	69.9	123	671	324	109	88.2	137	149
MAX	2,440	1,570	5,420	490	86	292	1,330	702	352	207	557	765
MIN	114	274	282	78	57	57	342	146	42	38	45	53
CFSM	4.37	4.18	11.2	1.43	0.54	0.94	5.16	2.49	0.84	0.68	1.06	1.15
IN.	5.04	4.66	12.91	1.65	0.58	1.09	5.76	2.87	0.94	0.78	1.22	1.28

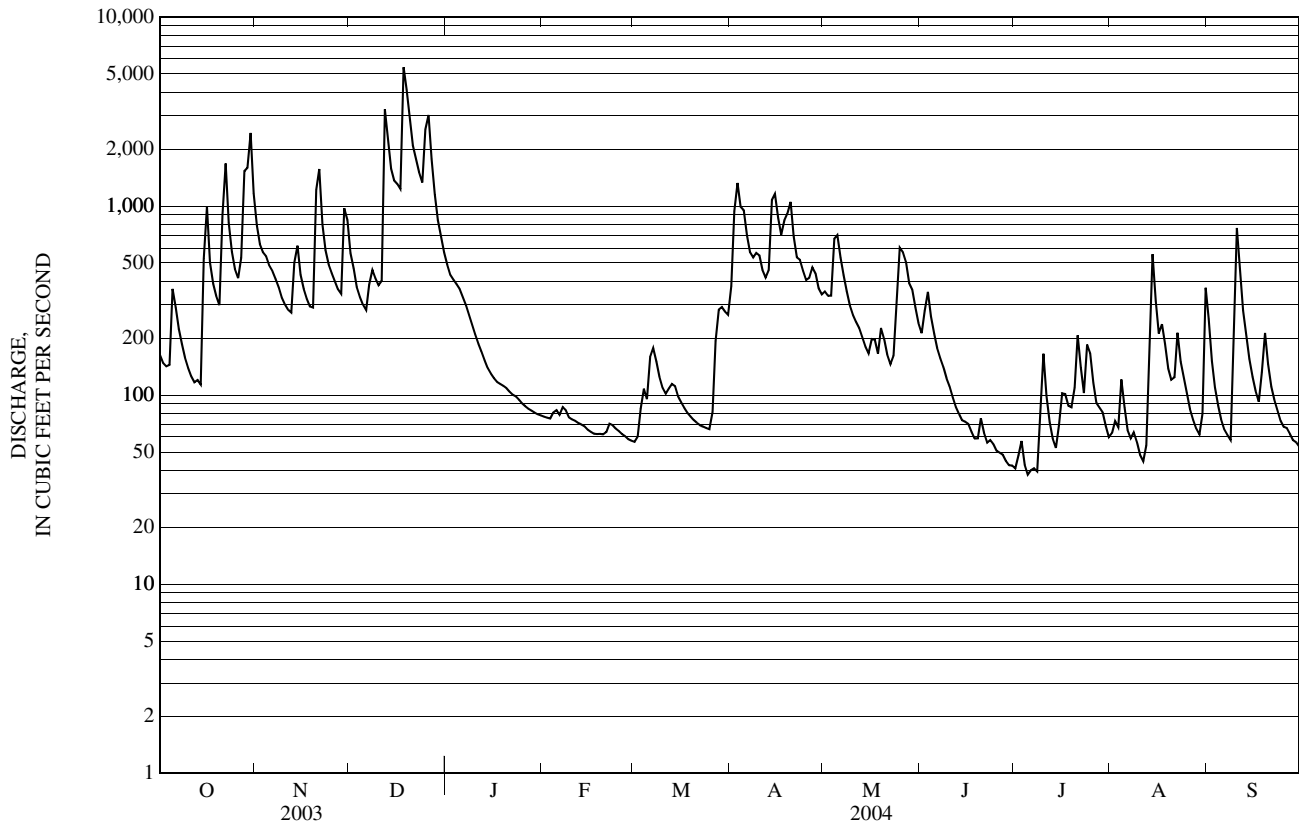
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2004, BY WATER YEAR (WY)

MEAN	166	246	273	127	139	235	749	541	205	109	79.2	73.5
MAX	653	703	1,455	464	620	579	1,206	1,190	437	467	279	283
(WY)	(1978)	(1970)	(2004)	(1978)	(1981)	(1979)	(1969)	(1969)	(1968)	(1973)	(1976)	(1981)
MIN	26.4	33.8	34.1	45.0	31.1	30.6	369	224	60.1	33.0	15.3	15.6
(WY)	(2002)	(1979)	(1979)	(2003)	(1980)	(1967)	(1981)	(1977)	(1964)	(1965)	(2002)	(2002)

e Estimated

01054300 ELLIS RIVER AT SOUTH ANDOVER, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1963 - 2004	
ANNUAL TOTAL	128,521		135,521		248	
ANNUAL MEAN	352		370		370	
HIGHEST ANNUAL MEAN					132	
LOWEST ANNUAL MEAN					1965	
HIGHEST DAILY MEAN	5,420	Dec 18	5,420	Dec 18	5,420	Dec 18, 2003
LOWEST DAILY MEAN	30	Sep 3	38	Jul 5	8.8	Sep 11, 2002
ANNUAL SEVEN-DAY MINIMUM	33	Feb 16	44	Jul 2	9.3	Sep 8, 2002
MAXIMUM PEAK FLOW			7,830	Dec 18	7,830	Dec 18, 2003
MAXIMUM PEAK STAGE			19.26	Dec 18	19.26	Dec 18, 2003
INSTANTANEOUS LOW FLOW			37	Jul 5	8.4	Sep 11, 2002
ANNUAL RUNOFF (CFSM)	2.71		2.85		1.91	
ANNUAL RUNOFF (INCHES)	36.78		38.78		25.95	
10 PERCENT EXCEEDS	786		851		590	
50 PERCENT EXCEEDS	159		165		115	
90 PERCENT EXCEEDS	36		61		33	



01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME

LOCATION.--Lat 44°33'07", long 70°32'39" (corrected), Oxford County, Hydrologic Unit 01040002, on right bank below lower power plant of Rumford Falls Power Co. in Rumford, and 1,000 ft upstream from Swift River.

DRAINAGE AREA.--2,068 mi².

PERIOD OF RECORD.--

DISCHARGE: May 1892 to current year. Fragmentary record only May 1892 to October 1895, published in WSP 27. Monthly discharge only October 1903 to September 1904, published in WSP 1301.

CHEMICAL ANALYSES: Water year 1953.

REVISED RECORDS.--WDR ME-86-1: Drainage area. WDR ME-97-1: 1893-1935(M) 1937-79(M).

GAGE.--Water-stage recorder. Datum of gage is 420.00 ft above National Geodetic Vertical Datum of 1929. Aug. 1, 1937 to Nov. 19, 1979, nonrecording gages in pond above dam and in tailrace of upper plant. Prior to Aug. 1, 1937, nonrecording gages in pond and tailrace of middle plant.

REMARKS.--No estimated daily discharges. Records good. Prior to Nov. 19, 1979, discharge computed from flow over dams and through wheels. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, combined usable capacity about 28.1 billion ft³, with final regulation at Errol Dam 70 mi upstream. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 443305070323701). Records for precipitation are located in the Quantity of Precipitation section in this report.

COOPERATION.--Prior to Nov. 19, 1979, records furnished by Rumford Falls Power Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,000 ft³/s, Mar. 20, 1936; minimum daily discharge, 625 ft³/s, Mar. 27, 1911.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35,200 ft³/s, Dec. 18, gage height, 14.56 ft; minimum daily discharge, 1,560 ft³/s, Aug. 7.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

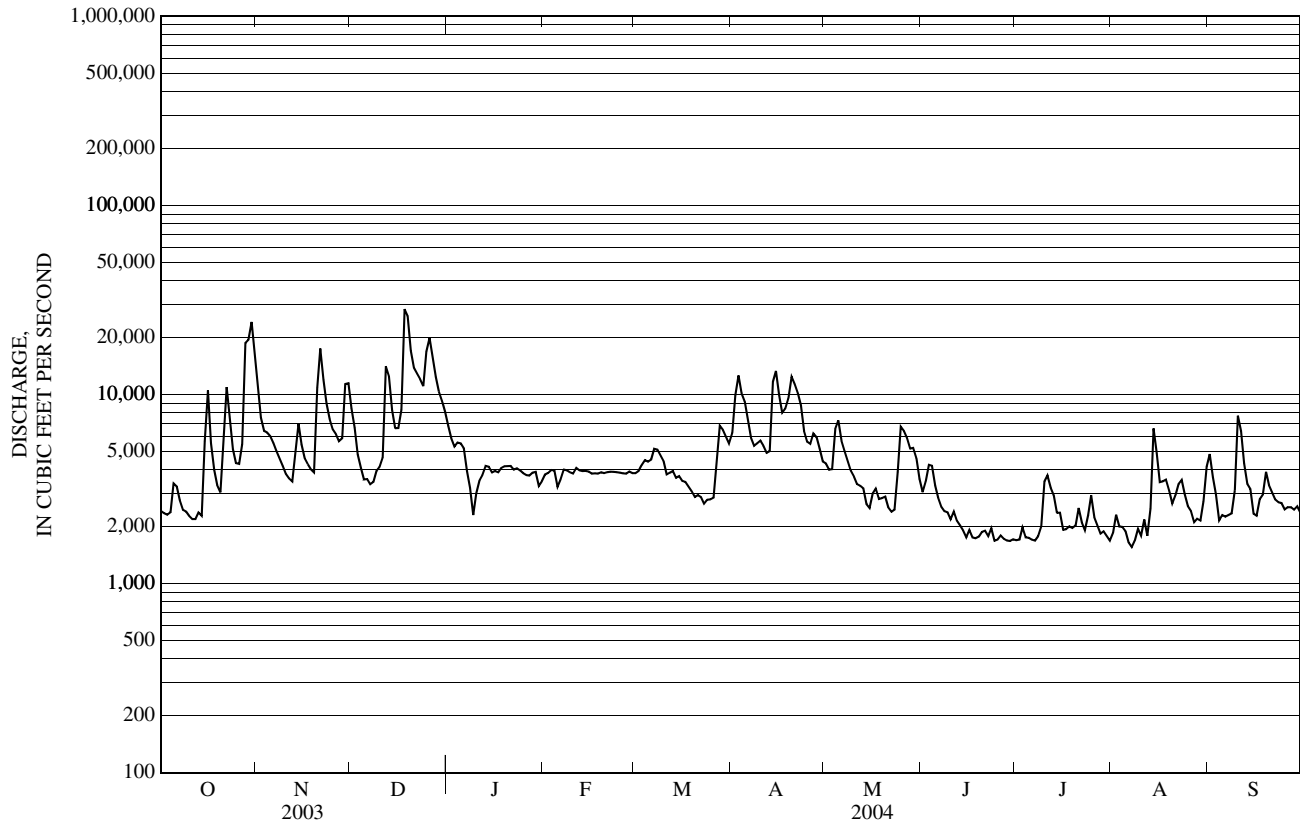
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,420	10,900	8,440	6,820	3,770	3,840	6,250	4,330	3,050	1,700	1,850	4,840
2	2,360	7,550	6,660	5,870	3,840	3,940	9,900	4,000	3,460	1,710	2,310	3,650
3	2,310	6,430	4,820	5,300	3,990	4,240	12,600	4,030	4,250	1,980	2,010	2,960
4	2,380	6,290	4,090	5,570	3,970	4,490	10,200	6,590	4,200	1,760	1,990	2,150
5	3,390	6,020	3,560	5,520	3,240	4,420	9,190	7,280	3,300	1,750	1,890	2,300
6	3,260	5,530	3,570	5,200	3,550	4,530	7,300	5,680	2,840	1,710	1,650	2,260
7	2,760	5,010	3,350	3,930	4,010	5,170	5,910	5,020	2,550	1,690	1,560	2,310
8	2,460	4,570	3,450	3,210	3,980	5,110	5,360	4,450	2,410	1,780	1,690	2,350
9	2,400	4,190	3,930	2,310	3,870	4,770	5,520	3,960	2,380	2,000	1,950	3,120
10	2,280	3,800	4,140	3,000	3,820	4,440	5,700	3,680	2,190	3,460	1,790	7,720
11	2,200	3,600	4,630	3,510	4,090	3,780	5,350	3,360	2,410	3,730	2,180	6,400
12	2,200	3,470	14,100	3,760	3,970	3,860	4,920	3,290	2,150	3,220	1,790	4,320
13	2,380	4,930	12,500	4,190	3,940	3,950	5,010	3,190	2,030	2,940	2,500	3,370
14	2,280	7,010	8,260	4,150	3,950	3,620	11,700	2,630	1,910	2,370	6,620	3,160
15	5,670	5,440	6,640	3,870	3,910	3,700	13,300	2,510	1,760	2,370	4,890	2,350
16	10,500	4,590	6,650	3,940	3,810	3,490	9,900	3,000	1,920	1,930	3,440	2,290
17	5,510	4,280	8,290	3,880	3,830	3,450	8,010	3,180	1,750	1,940	3,480	2,800
18	4,000	4,010	28,300	4,090	3,810	3,250	8,430	2,810	1,740	2,010	3,550	2,960
19	3,310	3,870	26,100	4,170	3,880	3,080	9,560	2,830	1,770	1,970	3,100	3,900
20	3,040	10,800	17,000	4,180	3,840	2,870	12,400	2,880	1,870	2,030	2,650	3,310
21	5,200	17,500	13,900	4,190	3,880	2,940	11,400	2,530	1,900	2,510	2,930	3,030
22	10,900	11,900	12,900	4,010	3,900	2,860	10,200	2,400	1,780	2,110	3,360	2,780
23	7,530	8,990	12,100	4,070	3,900	2,650	8,780	2,460	1,960	1,920	3,530	2,690
24	5,140	7,400	11,100	3,970	3,880	2,780	6,390	3,890	1,690	2,300	2,970	2,670
25	4,340	6,550	16,900	3,840	3,860	2,790	5,630	6,770	1,710	2,930	2,570	2,470
26	4,300	6,170	19,900	3,750	3,830	2,850	5,480	6,420	1,790	2,240	2,420	2,540
27	5,460	5,660	15,900	3,720	3,820	4,200	6,220	5,900	1,730	2,030	2,110	2,530
28	18,700	5,870	12,400	3,860	3,910	6,850	5,960	5,180	1,690	1,840	2,200	2,460
29	19,500	11,400	10,400	3,900	3,840	6,520	5,190	5,220	1,680	1,890	2,150	2,570
30	24,200	11,500	9,240	3,290	---	5,990	4,430	4,600	1,710	1,780	2,720	2,380
31	16,400	---	8,110	3,470	---	5,510	---	3,590	---	1,690	4,160	---
TOTAL	188,780	205,230	321,330	128,540	111,890	125,940	236,190	127,660	67,580	67,290	84,010	94,640
MEAN	6,090	6,841	10,370	4,146	3,858	4,063	7,873	4,118	2,253	2,171	2,710	3,155
MAX	24,200	17,500	28,300	6,820	4,090	6,850	13,300	7,280	4,250	3,730	6,620	7,720
MIN	2,200	3,470	3,350	2,310	3,240	2,650	4,430	2,400	1,680	1,690	1,560	2,150

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 2004, BY WATER YEAR (WY)

	MEAN	2,845	3,419	3,097	2,767	2,693	3,983	8,141	7,247	3,959	2,612	2,325	2,403
	MAX	7,423	8,635	10,570	6,885	7,192	17,420	14,900	16,650	12,210	8,906	4,518	9,296
	(WY)	(1978)	(1996)	(1974)	(1996)	(1981)	(1936)	(1901)	(1969)	(1917)	(1996)	(1990)	(1954)
	MIN	1,448	1,511	1,121	1,353	951	789	3,177	2,550	1,795	1,384	1,451	1,307
	(WY)	(1911)	(1909)	(1909)	(1909)	(1911)	(1911)	(1995)	(1941)	(1911)	(1911)	(1911)	(1995)

01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1900 - 2004	
ANNUAL TOTAL	1,487,790		1,759,080		3,792	
ANNUAL MEAN	4,076		4,806		6,696	
HIGHEST ANNUAL MEAN					2,001	
LOWEST ANNUAL MEAN					1911	
HIGHEST DAILY MEAN	28,300	Dec 18	28,300	Dec 18	68,300	Mar 19, 1936
LOWEST DAILY MEAN	1,310	Jan 23	1,560	Aug 7	625	Mar 27, 1911
ANNUAL SEVEN-DAY MINIMUM	1,430	Jan 20	1,710	Jun 24	645	Mar 21, 1911
MAXIMUM PEAK FLOW			35,200	Dec 18	74,000	Mar 20, 1936
MAXIMUM PEAK STAGE			14.56	Dec 18		
10 PERCENT EXCEEDS	8,350		9,340		7,220	
50 PERCENT EXCEEDS	2,440		3,840		2,620	
90 PERCENT EXCEEDS	1,520		1,940		1,770	



01055000 SWIFT RIVER NEAR ROXBURY, ME

LOCATION.--Lat 44°38'34", long 70°35'20" (corrected), Oxford County, Hydrologic Unit 01040002, on left bank 0.2 mi downstream from Philbrick Brook, 2.1 mi downstream from Roxbury, and 7.2 mi upstream from mouth.

DRAINAGE AREA.--96.9 mi².

PERIOD OF RECORD.--

DISCHARGE: June 1929 to current year.

CHEMICAL ANALYSES: Water year 1956.

REVISED RECORDS.--WSP 801: 1934(M). WSP 1301: 1937-38(M), 1942(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 615.67 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 2-11, 15-16, and Dec. 28 to Apr. 1, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft³/s, Oct. 24, 1959, gage height, 12.87 ft; minimum discharge, 2.7 ft³/s, Sept. 10-11, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 15	1415	3,780	6.63	Dec 12	0245	4,150	6.89
Oct 21	1400	4,270	6.97	Dec 18	0415	*11,900	*10.91
Oct 28	0145	4,670	7.23	Dec 25	0300	2,720	5.79
Nov 20	1145	4,960	7.42				

Minimum discharge, 25 ft³/s, July 1, gage height, 1.19 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	406	324	e243	e54	e43	e460	329	144	26	74	164
2	83	314	e233	e206	e54	e47	1,010	304	288	117	63	93
3	89	299	e184	e210	e54	e58	899	317	282	70	81	71
4	186	285	e153	e213	e55	e59	710	822	185	43	101	59
5	508	254	e135	e199	e54	e50	662	493	143	36	57	51
6	218	260	e119	e178	e53	e197	380	333	119	53	44	49
7	153	220	e126	e164	e53	e192	296	266	108	46	40	48
8	124	190	e174	e152	e52	e102	325	213	97	43	42	46
9	104	158	e164	e141	e50	e80	392	182	83	150	41	415
10	93	153	e155	e132	e50	e71	367	161	82	204	34	932
11	86	149	e286	e124	e49	e72	278	156	70	108	42	317
12	82	153	2,240	e117	e48	e84	260	146	62	66	74	165
13	93	617	649	e110	e48	e78	341	129	57	52	567	117
14	81	436	374	e103	e47	e83	1,460	117	53	43	770	90
15	1,190	248	e320	e97	e47	e72	1,030	110	55	218	232	79
16	684	197	e282	e92	e46	e65	728	166	52	244	141	70
17	318	173	706	e87	e45	e61	604	145	44	235	166	65
18	227	162	5,420	e82	e45	e59	925	120	39	115	105	136
19	199	179	1,050	e79	e45	e57	1,070	260	48	147	82	150
20	179	2,060	555	e74	e45	e55	1,200	157	71	182	94	93
21	1,840	875	389	e71	e45	e54	577	133	47	175	154	74
22	1,090	447	360	e68	e45	e53	413	115	40	94	240	67
23	489	315	299	e65	e44	e53	469	150	46	73	119	59
24	324	261	372	e63	e44	e52	371	446	40	297	99	53
25	247	237	2,110	e61	e44	e54	301	678	35	145	76	50
26	234	206	1,180	e60	e43	e64	404	546	36	89	63	50
27	1,200	185	586	e58	e43	e295	450	408	34	67	57	46
28	2,070	195	e400	e63	e42	e352	384	288	29	68	53	44
29	2,310	1,200	e324	e65	e42	e268	262	272	28	62	48	45
30	1,420	503	e307	e61	---	e244	282	198	29	51	88	42
31	596	---	e279	e57	---	e243	---	158	---	44	354	---
TOTAL	16,606	11,337	20,255	3,495	1,386	3,317	17,310	8,318	2,446	3,363	4,201	3,740
MEAN	536	378	653	113	47.8	107	577	268	81.5	108	136	125
MAX	2,310	2,060	5,420	243	55	352	1,460	822	288	297	770	932
MIN	81	149	119	57	42	43	260	110	28	26	34	42
CFSM	5.53	3.90	6.74	1.16	0.49	1.10	5.95	2.77	0.84	1.12	1.40	1.29
IN.	6.38	4.35	7.78	1.34	0.53	1.27	6.65	3.19	0.94	1.29	1.61	1.44

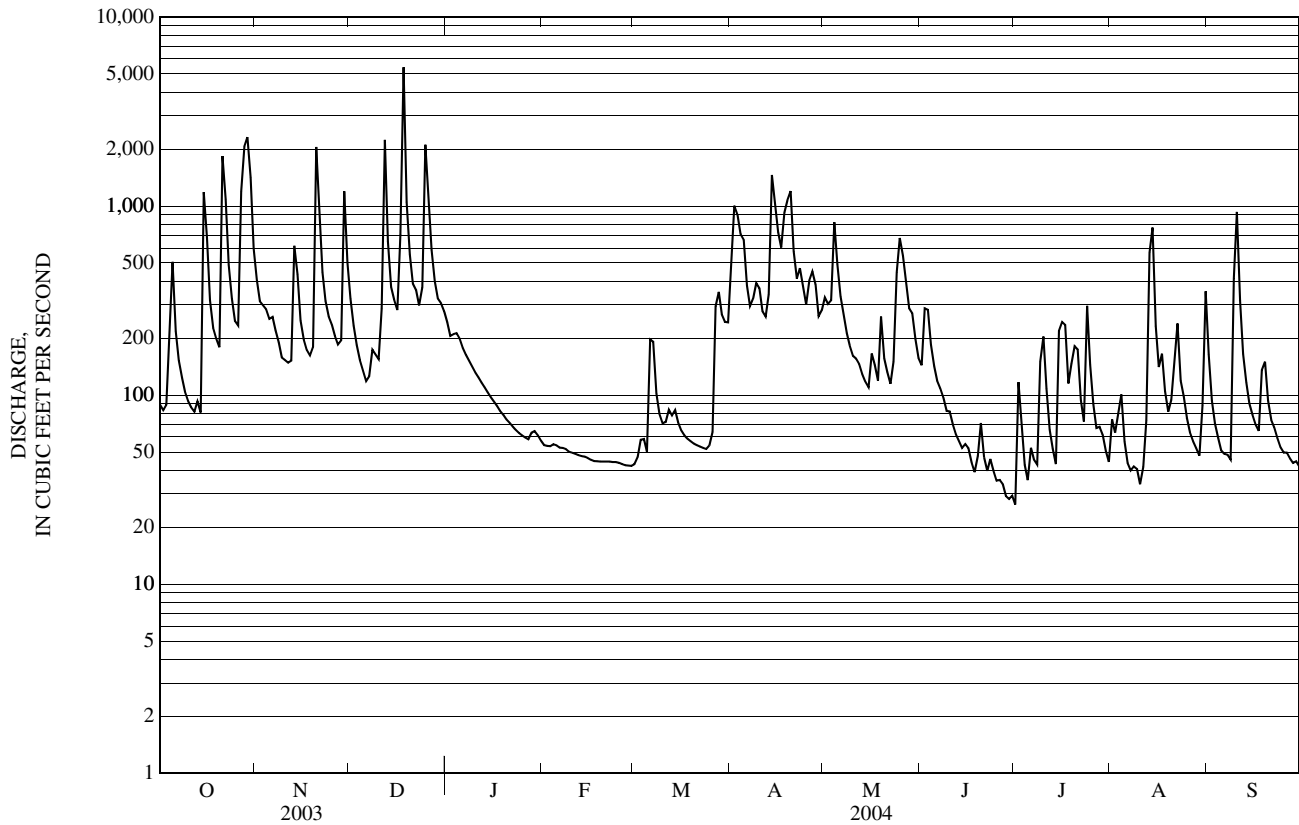
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

MEAN	147	210	158	110	91.8	202	621	479	176	85.6	61.1	74.1
MAX	545	644	758	676	463	1,315	1,141	1,032	792	483	277	497
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(1951)	(1972)	(1998)	(1996)	(1991)	(1954)
MIN	14.9	28.5	15.7	17.8	17.3	20.8	255	111	42.4	18.1	9.66	6.10
(WY)	(1948)	(1979)	(1930)	(1948)	(1980)	(1967)	(1995)	(1941)	(1941)	(1952)	(2002)	(1948)

e Estimated

01055000 SWIFT RIVER NEAR ROXBURY, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	86,797		95,774		202	
ANNUAL MEAN	238		262		366	
HIGHEST ANNUAL MEAN					103	
LOWEST ANNUAL MEAN					1941	
HIGHEST DAILY MEAN	5,420	Dec 18	5,420	Dec 18	9,120	Apr 1, 1987
LOWEST DAILY MEAN	16	Jan 28	26	Jul 1	2.9	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	17	Jan 25	31	Jun 25	3.4	Sep 7, 2002
MAXIMUM PEAK FLOW			11,900	Dec 18	16,800	Oct 24, 1959
MAXIMUM PEAK STAGE			10.91	Dec 18	12.87	Oct 24, 1959
INSTANTANEOUS LOW FLOW			25	Jul 1	2.7	Sep 10, 2002
ANNUAL RUNOFF (CF5M)	2.45		2.70		2.08	
ANNUAL RUNOFF (INCHES)	33.32		36.77		28.26	
10 PERCENT EXCEEDS	516		580		488	
50 PERCENT EXCEEDS	115		130		83	
90 PERCENT EXCEEDS	25		45		22	



ANDROSCOGGIN RIVER BASIN
01055100 ANDROSCOGGIN RIVER AT JAY, ME—Continued

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Cross section was performed on Sept. 20, 2004, from 12:00pm to 13:00pm,
with field parameters displayed in the following order:
SPECIFIC CONDUCTANCE (microsiemens/cm)
WATER TEMPERATURE: (degrees Celsius)
DISSOLVED OXYGEN: (mg/L)

Depth (feet)	Left bank	Width (feet)															Right bank
		25	55	85	115	145	175	205	235	265	295	325	355	385	415	445	
1		77	76	77	87	90	99	100	100	102	110	113	110	111	101	92	
		16.2	16.1	16.1	16.1	16.2	16.2	16.1	16.2	16.1	16.2	16.2	16.2	16.2	16.0	16.0	
		9.5	9.4	9.4	9.3	9.3	9.3	9.3	9.3	9.2	9.1	9.2	9.2	9.2	9.3	9.2	
5		78	77	78	92	92	99	100	100	104	110	111	111	105	99	83	
		16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.2	16.2	16.2	16.1	16.1	16.0	
		9.5	9.4	9.4	9.3	9.3	9.3	9.3	9.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	
10		78	82	90	92	100	100	101	105	112	112	100	91	89	83		
		16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.2	16.2	16.0	16.0	16.0	16.0		
		9.4	9.4	9.4	9.3	9.2	9.3	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2		
Monitoring point → *																	
15				91	98	100	100	102	106	111	108	99	93	87	82		
				16.1	16.1	16.1	16.1	16.1	16.2	16.2	16.1	16.0	16.0	16.0	16.0		
				9.3	9.3	9.3	9.3	9.2	9.2	9.2	9.2	9.3	9.3	9.2	9.2		
20												96	90	88			
												16.0	16.0	16.0			
												9.3	9.3	9.2			

	Cross Section Values			Recorded Hourly Values			Recorded Daily Values		
	Max	Min	Mean	12:00	13:00	14:00	Max	Min	Mean
Sp									
Cond	112	76	96	83	83	84	95	82	88
WT	16.2	16.0	16.1	16.1	16.1	16.0	16.6	15.6	16.1
DO	9.5	9.1	9.3	9.6	9.5	9.5	9.7	8.9	9.4

ANDROSCOGGIN RIVER BASIN
01055220 DEAD RIVER AT LEEDS, ME

LOCATION.--Lat 44°19'05", long 70°07'20" (corrected), Androscoggin County, Hydrologic Unit 01040002, on left bank at downstream side of State Route 106 highway bridge at Leeds, and 1.0 miles downstream from Androscoggin Lake.

DRAINAGE AREA.--83.1 mi².

PERIOD OF RECORD.--

GAGE HEIGHT: October 2003 to September 2004.

DISCHARGE: October 2000 to September 2003.

GAGE.--Water-stage recorder. Elevation of gage is 264.94 ft above National Geodetic Vertical Datum of 1929.

REMARKS.- Satellite telemeter at station.

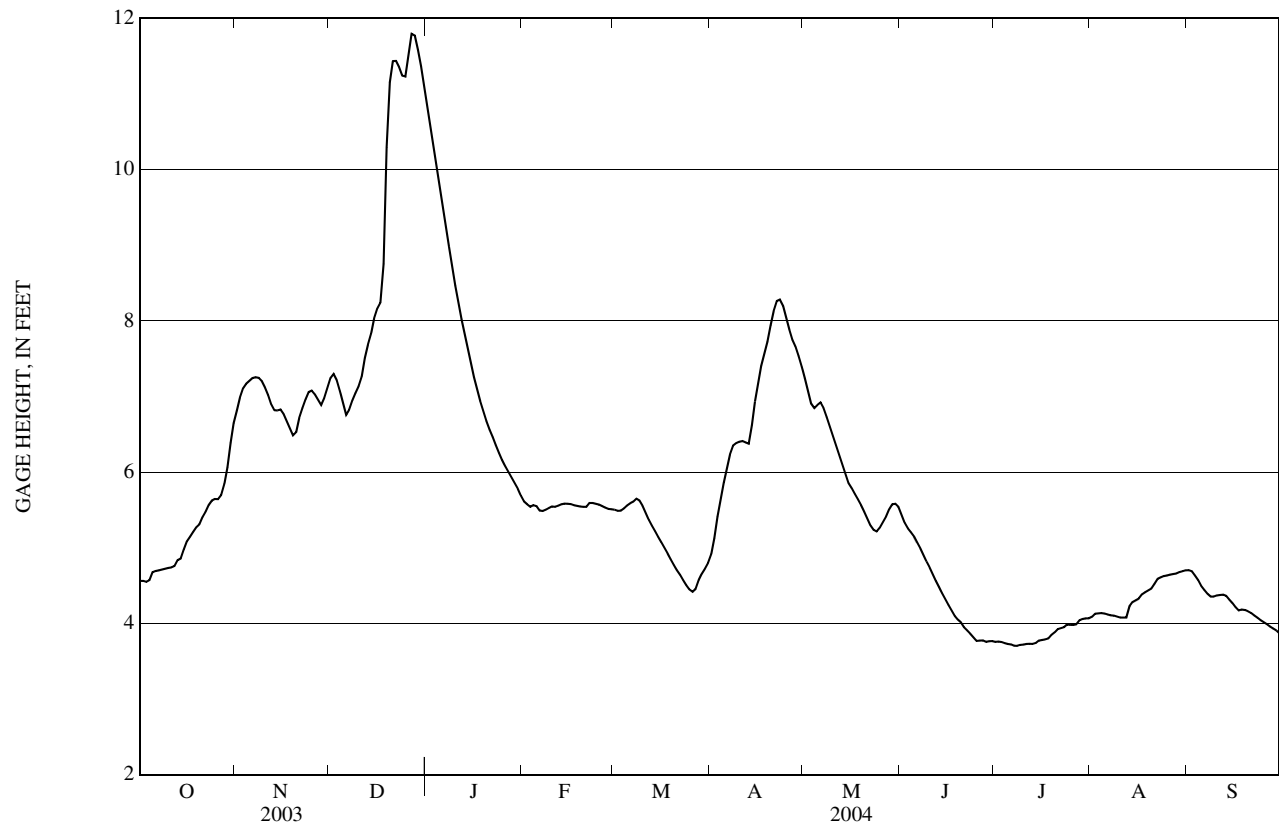
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.82 ft, Apr. 28, 2001; minimum gage height, 2.92 ft, Nov. 25, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.84 ft, Dec. 27; minimum gage height, 3.69 ft, July 7-8.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.56	6.81	7.24	10.86	5.61	5.50	4.91	7.24	5.43	3.76	4.09	4.70
2	4.56	6.98	7.30	10.59	5.57	5.49	5.13	7.06	5.33	3.76	4.13	4.69
3	4.55	7.11	7.22	10.32	5.54	5.49	5.41	6.91	5.26	3.75	4.13	4.63
4	4.57	7.17	7.07	10.05	5.56	5.52	5.62	6.85	5.20	3.74	4.14	4.57
5	4.68	7.21	6.91	9.78	5.55	5.56	5.86	6.89	5.15	3.73	4.13	4.50
6	4.69	7.24	6.76	9.52	5.49	5.59	6.05	6.92	5.07	3.72	4.12	4.44
7	4.70	7.26	6.82	9.26	5.49	5.61	6.23	6.85	4.99	3.70	4.11	4.39
8	4.71	7.25	6.95	8.98	5.50	5.65	6.35	6.73	4.91	3.70	4.10	4.35
9	4.72	7.20	7.04	8.72	5.53	5.63	6.38	6.60	4.82	3.72	4.09	4.35
10	4.73	7.12	7.13	8.47	5.55	5.55	6.40	6.47	4.74	3.72	4.08	4.37
11	4.74	7.02	7.26	8.23	5.54	5.46	6.41	6.34	4.65	3.73	4.08	4.37
12	4.76	6.90	7.51	8.02	5.56	5.37	6.39	6.22	4.56	3.73	4.08	4.38
13	4.84	6.82	7.68	7.82	5.57	5.29	6.37	6.09	4.48	3.73	4.23	4.36
14	4.86	6.81	7.83	7.63	5.58	5.22	6.62	5.97	4.40	3.74	4.28	4.31
15	4.97	6.83	8.03	7.44	5.58	5.14	6.93	5.85	4.32	3.77	4.31	4.27
16	5.09	6.77	8.16	7.25	5.58	5.07	7.18	5.79	4.24	3.78	4.33	4.22
17	5.15	6.67	8.24	7.09	5.56	5.00	7.41	5.71	4.17	3.79	4.38	4.17
18	5.21	6.58	8.75	6.94	5.55	4.93	7.56	5.64	4.10	3.80	4.41	4.18
19	5.27	6.49	10.30	6.80	5.55	4.85	7.73	5.56	4.05	3.85	4.44	4.18
20	5.31	6.53	11.15	6.68	5.54	4.77	7.94	5.48	4.01	3.88	4.46	4.16
21	5.40	6.72	11.44	6.56	5.54	4.70	8.13	5.39	3.95	3.92	4.52	4.14
22	5.48	6.85	11.44	6.46	5.59	4.64	8.26	5.30	3.91	3.94	4.59	4.11
23	5.56	6.96	11.36	6.36	5.59	4.57	8.28	5.24	3.86	3.95	4.61	4.07
24	5.62	7.06	11.24	6.25	5.58	4.50	8.20	5.22	3.82	3.99	4.62	4.04
25	5.65	7.08	11.23	6.16	5.57	4.45	8.04	5.26	3.77	3.98	4.63	4.02
26	5.64	7.03	11.53	6.08	5.55	4.42	7.89	5.34	3.77	3.98	4.64	3.99
27	5.70	6.96	11.80	6.00	5.53	4.45	7.75	5.41	3.77	3.99	4.65	3.96
28	5.84	6.89	11.77	5.93	5.51	4.58	7.66	5.51	3.75	4.04	4.66	3.93
29	6.06	6.98	11.59	5.86	5.51	4.66	7.54	5.58	3.77	4.06	4.68	3.91
30	6.39	7.11	11.37	5.78	---	4.73	7.39	5.58	3.77	4.07	4.69	3.87
31	6.65	---	11.12	5.69	---	4.80	---	5.54	---	4.07	4.70	---
MEAN	5.18	6.95	9.07	7.66	5.55	5.07	6.93	6.02	4.40	3.84	4.36	4.25
MAX	6.65	7.26	11.80	10.86	5.61	5.65	8.28	7.24	5.43	4.07	4.70	4.70
MIN	4.55	6.49	6.76	5.69	5.49	4.42	4.91	5.22	3.75	3.70	4.08	3.87

01055220 DEAD RIVER AT LEEDS, ME—Continued



01055500 NEZINSCOT RIVER AT TURNER CENTER, ME

LOCATION.--Lat 44°16'10", long 70°13'47" (corrected), Androscoggin County, Hydrologic Unit 01040002, on left bank 500 ft upstream from State Route 117 highway bridge at Turner Center, and 3.6 mi upstream from mouth.

DRAINAGE AREA.--169 mi².

PERIOD OF RECORD.--

DISCHARGE: August 1941 to September 1996, August 2001 to current year.

CHEMICAL ANALYSES: Water years 1955, 1961

REVISED RECORDS.--WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 276.29 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of doubtful gage-height record, Jan. 11-14, and no gage-height record, May 25, which are fair, and periods of ice effect, Dec. 4-18, 21, and Dec. 28 to Mar. 26, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,900 ft³/s, Mar. 27, 1953, gage height, 11.18 ft; minimum discharge, 5.6 ft³/s, Aug. 29, 1956, gage height, 0.72 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	1115	2,110	4.60	Apr 3	1515	1,930	4.43
Dec 19	0630	*3,790	*5.81	Apr 15	0630	2,300	4.75
Dec 26	0945	2,010	4.51				

Minimum discharge, 41 ft³/s, Sept. 30, gage height, 1.18 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	143	985	782	e557	e83	e87	745	267	261	68	79	77
2	120	739	612	e511	e85	e102	1,120	254	264	68	94	69
3	101	639	431	e473	e86	e164	1,790	267	285	69	94	62
4	97	614	e363	e438	e92	e215	1,530	651	247	62	79	55
5	197	567	e332	e416	e95	e226	1,190	842	200	57	69	54
6	245	544	e321	e391	e100	e272	968	641	168	57	63	49
7	189	491	e347	e361	e105	e301	772	504	155	56	57	46
8	147	424	e349	e324	e108	e288	655	403	140	54	55	44
9	122	361	e436	e284	e106	e249	589	340	128	76	54	55
10	106	315	e566	e250	e103	e216	532	295	117	133	49	110
11	93	292	e455	e223	e103	e194	471	276	108	120	46	122
12	87	279	e1,100	e201	e100	e182	417	257	96	93	47	99
13	235	364	e1,610	e180	e96	e220	425	225	87	77	160	81
14	378	590	e1,570	e166	e95	e214	1,550	188	81	71	265	69
15	479	548	e1,170	e155	e92	e185	2,170	171	77	84	246	60
16	1,090	416	e1,070	e146	e84	e169	1,680	200	72	102	173	54
17	870	342	e1,040	e137	e77	e156	1,140	264	67	100	179	49
18	525	300	e2,210	e130	e75	e146	853	238	62	131	173	62
19	379	279	3,400	e124	e77	e137	689	216	65	192	137	108
20	298	489	2,260	e119	e77	e132	583	194	70	245	116	115
21	275	1,000	e1,510	e114	e80	e126	481	167	65	243	121	95
22	432	902	1,060	e109	e88	e124	408	154	61	199	185	81
23	463	662	864	e105	e93	e121	360	181	61	146	181	71
24	379	537	752	e102	e93	e120	322	298	60	162	138	62
25	309	466	1,300	e99	e92	e127	288	e508	59	200	108	56
26	265	408	1,870	e97	e86	e213	291	552	63	166	91	52
27	364	359	1,620	e94	e82	601	379	484	77	124	81	48
28	960	338	e1,150	e92	e82	1,010	388	468	77	116	72	45
29	1,330	788	e866	e89	e82	953	330	510	73	111	70	43
30	1,930	1,010	e713	e87	---	781	288	406	74	98	74	42
31	1,520	---	e619	e85	---	667	---	313	---	85	83	---
TOTAL	14,128	16,048	32,748	6,659	2,617	8,698	23,404	10,734	3,420	3,565	3,439	2,035
MEAN	456	535	1,056	215	90.2	281	780	346	114	115	111	67.8
MAX	1,930	1,010	3,400	557	108	1,010	2,170	842	285	245	265	122
MIN	87	279	321	85	75	87	288	154	59	54	46	42
CFSM	2.70	3.17	6.25	1.27	0.53	1.66	4.62	2.05	0.67	0.68	0.66	0.40
IN.	3.11	3.53	7.21	1.47	0.58	1.91	5.15	2.36	0.75	0.78	0.76	0.45

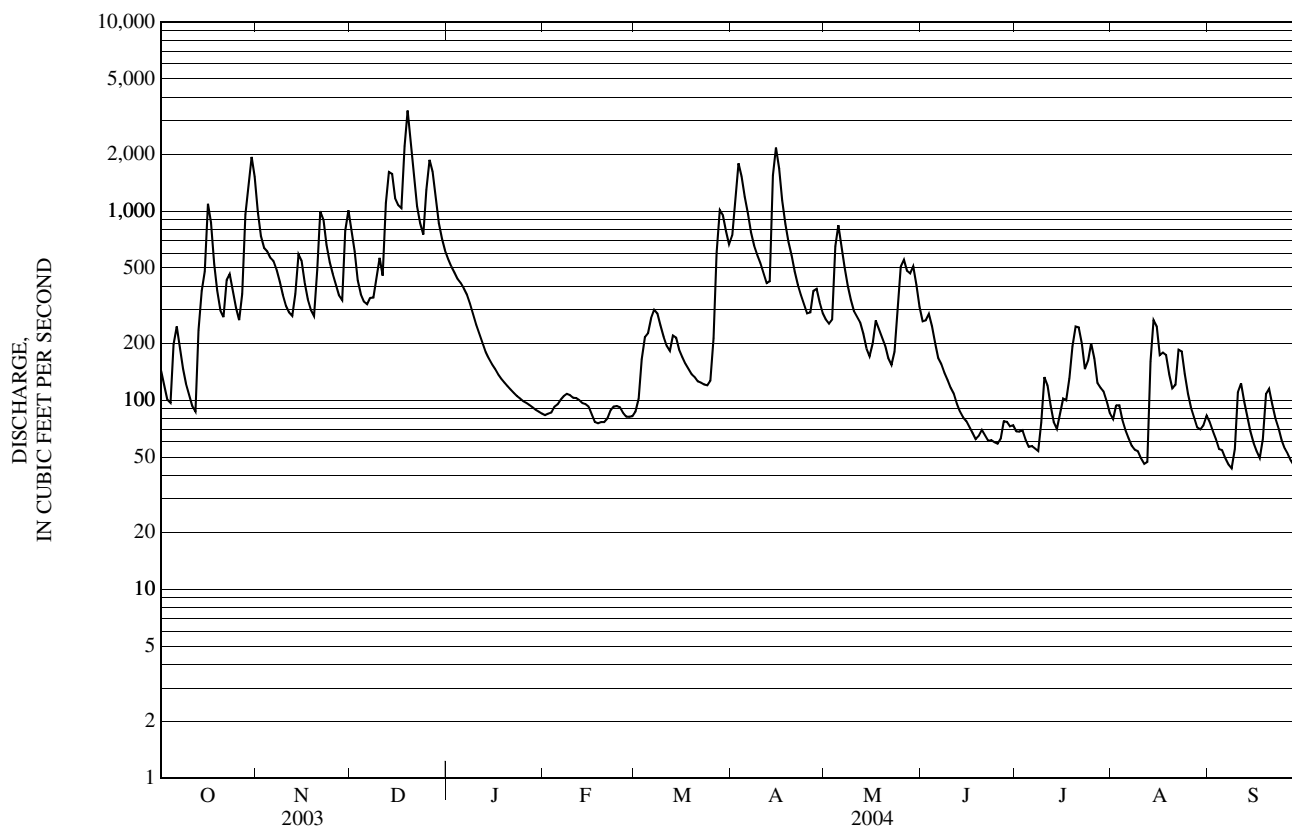
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2004, BY WATER YEAR (WY)

MEAN	166	308	305	213	220	484	955	443	222	117	80.0	79.1
MAX	852	828	1,384	827	1,066	1,747	1,769	1,102	696	641	440	883
(WY)	(1978)	(1984)	(1974)	(1978)	(1970)	(1953)	(1969)	(1989)	(1984)	(1996)	(1976)	(1954)
MIN	22.1	45.3	46.4	38.2	40.3	101	333	148	44.7	23.7	20.5	13.1
(WY)	(1948)	(1953)	(1979)	(1948)	(1980)	(1967)	(1981)	(1959)	(1964)	(1965)	(1970)	(1995)

e Estimated

01055500 NEZINSCOT RIVER AT TURNER CENTER, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1941 - 2004	
ANNUAL TOTAL	114,815		127,495		299	
ANNUAL MEAN	315		348		482	
HIGHEST ANNUAL MEAN					144	
LOWEST ANNUAL MEAN					10,800	
HIGHEST DAILY MEAN	3,400	Dec 19	3,400	Dec 19	13,900	Mar 27, 1953
LOWEST DAILY MEAN	19	Sep 3	42	Sep 30	5.8	Aug 28, 1956
ANNUAL SEVEN-DAY MINIMUM	22	Aug 28	50	Sep 24	6.6	Aug 24, 1956
MAXIMUM PEAK FLOW			3,790	Dec 19	11.18	Mar 27, 1953
MAXIMUM PEAK STAGE			5.81	Dec 19	5.6	Aug 29, 1956
INSTANTANEOUS LOW FLOW			41	Sep 30	1.77	
ANNUAL RUNOFF (CFSM)	1.86		2.06		24.05	
ANNUAL RUNOFF (INCHES)	25.27		28.06		728	
10 PERCENT EXCEEDS	865		867		145	
50 PERCENT EXCEEDS	139		182		35	
90 PERCENT EXCEEDS	32		64			



01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME

LOCATION.--Lat 44°18'14", long 70°32'23" (corrected), Oxford County, Hydrologic Unit 01040002, on island 50 ft upstream from Snow Falls, and 6 mi upstream from South Paris.

DRAINAGE AREA.--73.5 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1913 to April 1924, October 1931 to current year.

CHEMICAL ANALYSES: Water year 1958.

REVISED RECORDS.--WSP 1301: 1915-23(M). WDR ME-81-1: Drainage area. WDR ME-97-1: 1914-23(M) 1933-83(M).

GAGE.--Water-stage recorder. Datum of gage is 447.00 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 30, 1924, nonrecording gage, and Oct. 1, 1931, to Apr. 19, 1982, water-stage recorder at site 1.0 mi downstream at datum 52.52 ft lower. Apr. 19, 1982 to Sept. 27, 1983, water-stage recorder at site 1.0 mi downstream at datum 57.00 ft lower.

REMARKS.--Records good, except for periods of ice-effect, Dec. 3-7, Jan. 6-12, and Mar. 3-25, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,340 ft³/s, Apr. 1, 1987, gage height, 12.22 ft, from rating curve extended above 5,500 ft³/s, on basis of slope-area measurement of peak flow; minimum discharge, 0.60 ft³/s, Sept. 17 and 21, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	0200	1,620	6.89	Dec 26	0215	1,130	6.08
Nov 20	2245	1,010	5.86	Apr 2	2315	1,040	5.91
Dec 12	1345	1,260	6.33	Apr 14	1215	1,290	6.38
Dec 18	1030	*3,470	*8.82				

Minimum discharge, 15 ft³/s, July 8, gage height, 2.00 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

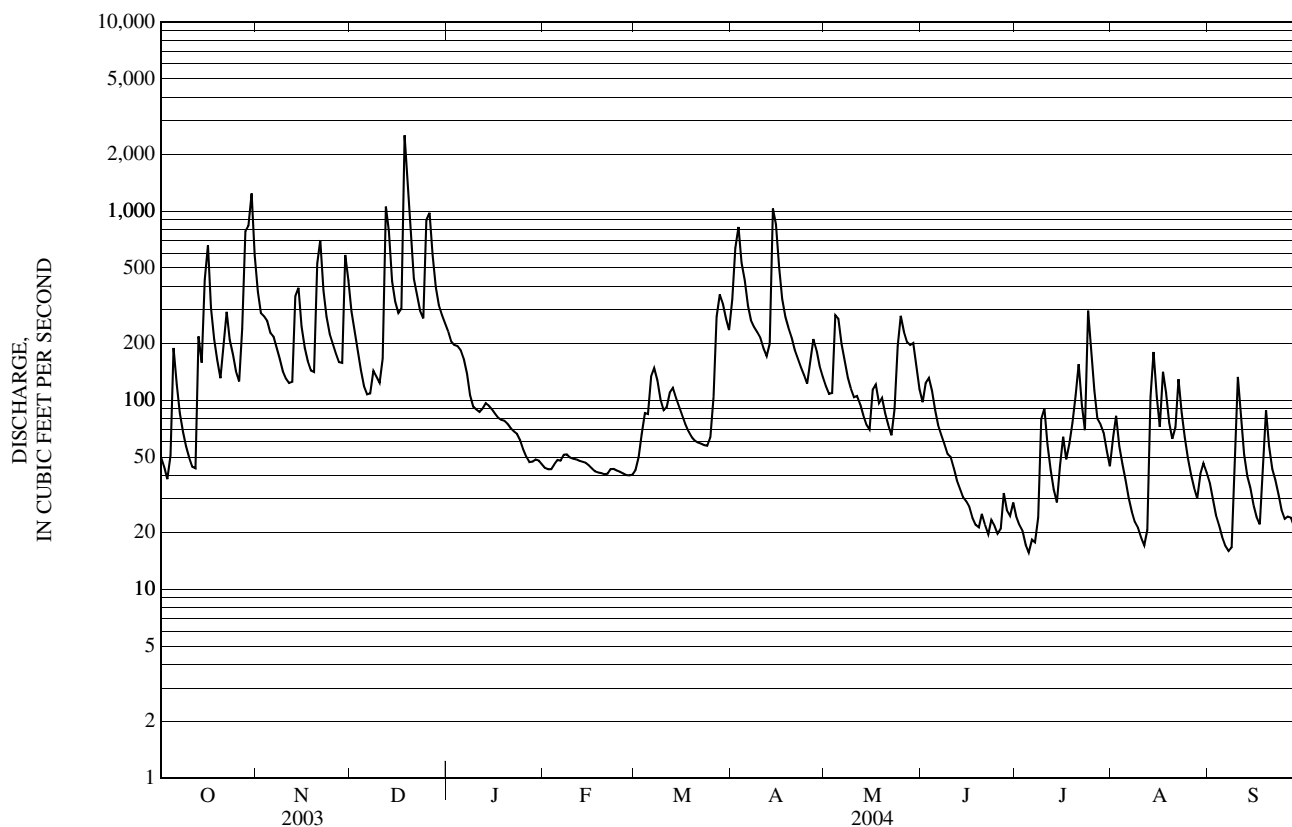
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	374	294	231	44	43	342	119	98	24	63	37
2	44	289	227	204	43	50	636	108	124	22	83	30
3	38	278	e181	195	43	e66	824	109	131	20	57	25
4	51	263	e144	193	46	e85	532	282	112	17	46	22
5	189	227	e119	184	48	e84	431	270	88	16	38	19
6	121	217	e107	e166	48	e133	317	198	74	18	31	17
7	86	190	e109	e138	51	e148	265	162	65	18	26	16
8	68	165	143	e107	52	e127	243	132	59	24	23	17
9	57	142	133	e92	50	e101	229	115	52	79	21	41
10	50	130	124	e89	49	e89	213	104	50	90	19	133
11	44	123	166	e87	49	e92	189	105	44	58	17	78
12	44	125	1,050	e90	48	e110	171	95	38	43	21	52
13	217	354	780	96	47	e116	199	83	34	34	104	40
14	158	393	424	94	47	e103	1,030	74	31	29	180	34
15	435	245	333	90	45	e93	850	70	29	45	105	28
16	660	190	289	85	44	e83	503	114	27	64	72	24
17	308	161	305	81	42	e75	343	121	24	49	141	22
18	209	143	2,520	79	41	e68	275	96	22	59	110	41
19	163	141	1,310	78	41	e64	242	103	21	76	76	89
20	131	527	711	75	41	e61	215	85	25	106	62	57
21	192	702	438	71	41	e60	185	74	22	155	72	43
22	293	379	357	68	43	e59	166	65	20	94	129	38
23	209	277	297	66	43	e58	150	89	23	69	86	32
24	175	224	271	62	42	e57	136	194	22	297	64	26
25	142	199	896	55	42	e64	122	280	20	188	49	24
26	126	176	980	50	41	104	162	230	21	113	41	24
27	239	159	588	47	40	276	210	203	32	80	34	24
28	784	158	396	47	40	362	183	196	26	74	30	21
29	837	586	318	49	40	325	151	201	24	67	41	20
30	1,240	428	282	48	---	270	133	149	29	54	46	19
31	586	---	255	46	---	235	---	114	---	45	41	---
TOTAL	7,946	7,965	14,547	3,063	1,291	3,661	9,647	4,340	1,387	2,127	1,928	1,093
MEAN	256	266	469	98.8	44.5	118	322	140	46.2	68.6	62.2	36.4
MAX	1,240	702	2,520	231	52	362	1,030	282	131	297	180	133
MIN	38	123	107	46	40	43	122	65	20	16	17	16
CFSM	3.49	3.61	6.38	1.34	0.61	1.61	4.38	1.90	0.63	0.93	0.85	0.50
IN.	4.02	4.03	7.36	1.55	0.65	1.85	4.88	2.20	0.70	1.08	0.98	0.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2004, BY WATER YEAR (WY)

	MEAN	138	130	87.9	82.0	208	460	212	110	51.5	37.3	40.9
MAX	457	421	608	303	380	1,133	855	531	464	257	193	354
(WY)	(1978)	(1964)	(1974)	(1978)	(1970)	(1936)	(1969)	(1989)	(1917)	(1973)	(1973)	(1954)
MIN	6.14	13.6	9.71	16.2	2.61	31.3	147	63.1	16.7	6.45	4.01	1.28
(WY)	(1948)	(1953)	(1923)	(1948)	(1920)	(1940)	(1995)	(1941)	(1964)	(1991)	(1995)	(1995)

01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1914 - 2004	
ANNUAL TOTAL	52,299.5		58,995		136	
ANNUAL MEAN	143		161		219	
HIGHEST ANNUAL MEAN					62.9	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	2,520	Dec 18	2,520	Dec 18	6,760	Apr 1, 1987
LOWEST DAILY MEAN	4.7	Sep 3	16	Jul 5	0.65	Sep 17, 1995
ANNUAL SEVEN-DAY MINIMUM	5.7	Aug 28	19	Jul 1	0.69	Sep 15, 1995
MAXIMUM PEAK FLOW			3,470	Dec 18	9,340	Apr 1, 1987
MAXIMUM PEAK STAGE			8.82	Dec 18	12.22	Apr 1, 1987
INSTANTANEOUS LOW FLOW			15	Jul 8	0.60	Sep 17, 1995
ANNUAL RUNOFF (CFSM)	1.95		2.19		1.86	
ANNUAL RUNOFF (INCHES)	26.47		29.86		25.21	
10 PERCENT EXCEEDS	332		336		327	
50 PERCENT EXCEEDS	60		89		63	
90 PERCENT EXCEEDS	10		25		11	



01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME

LOCATION.--Lat 44°04'20", long 70°12'29" (corrected), Androscoggin County, Hydrologic Unit 01040002, on right bank 1.5 mi downstream from Little Androscoggin River, and 2.1 mi downstream from North Bridge between Auburn and Lewiston.

DRAINAGE AREA.--3,263 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1928 to current year. Monthly discharge only for October 1928, published in WSP 1301.

CHEMICAL ANALYSES: Water years 1952-56, 1966 to 1975.

REVISED RECORDS.--WSP 781: 1930, 1933-34. WSP 1301: 1932-36. WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 109.18 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, including period of no gage-height record, July 29. Considerable diurnal fluctuation and some regulation by powerplants above station. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, Umbagog, Auburn, and Thompson Lakes and Gulf Island Pond with major regulation at Errol Dam, 136 mi upstream, combined usable capacity about 30.704 billion ft³. Telephone and satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 135,000 ft³/s, Mar. 20, 1936, gage height, 27.57 ft, from rating curve extended above 76,000 ft³/s, on basis of slope-area measurement of peak flow and computation of flow over dam; minimum daily discharge, 340 ft³/s, Sept. 28, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 48,000 ft³/s, Dec. 19, gage height, 14.18 ft; minimum daily discharge, 1,640 ft³/s, June 27.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,400	21,400	14,900	12,900	4,150	3,710	10,300	8,240	6,310	2,150	1,950	4,160
2	3,920	14,600	11,800	11,100	4,480	3,760	13,200	6,410	4,700	2,330	2,510	5,310
3	3,860	12,100	9,450	9,980	3,740	3,840	23,000	6,390	5,620	1,910	2,440	5,320
4	3,930	11,000	6,940	9,560	4,520	4,440	19,600	6,080	6,540	1,900	3,080	4,160
5	4,210	10,900	6,150	9,590	5,150	6,260	17,100	12,200	6,270	1,890	3,000	3,100
6	3,490	10,400	6,020	8,900	4,630	6,350	14,700	11,300	5,870	2,180	2,420	1,850
7	4,450	8,220	6,000	7,690	4,400	6,420	11,700	9,200	5,260	2,170	1,780	3,510
8	3,920	7,270	6,130	7,560	4,230	6,450	10,200	8,840	3,300	2,070	1,790	2,690
9	3,820	7,570	4,840	8,090	4,630	6,430	10,100	7,230	4,120	2,070	2,750	4,030
10	3,780	6,450	4,610	6,620	4,350	6,340	9,520	7,020	3,050	2,750	1,770	5,860
11	3,530	6,100	7,220	6,340	4,680	6,360	9,390	5,150	2,840	3,920	2,400	6,640
12	3,380	6,060	13,200	6,470	3,830	6,320	8,680	4,170	1,870	3,980	3,160	6,480
13	3,690	6,310	24,200	4,830	4,530	6,360	9,350	5,820	1,830	4,130	4,700	5,660
14	3,910	9,080	17,400	6,460	4,510	6,440	15,200	4,430	2,750	3,520	6,980	5,010
15	6,520	10,300	13,300	6,390	4,500	5,200	26,000	4,000	2,700	3,550	7,990	4,110
16	14,600	7,980	12,400	5,920	4,510	4,240	21,200	3,900	2,680	3,620	5,900	3,970
17	13,200	7,420	13,200	5,430	4,370	4,230	16,200	4,450	2,730	2,660	3,640	3,660
18	8,440	7,480	29,600	4,940	4,450	4,160	14,100	4,680	3,140	2,610	3,850	2,120
19	6,540	6,720	46,300	5,340	4,610	4,170	14,200	4,850	1,830	3,340	4,530	2,170
20	5,650	9,350	36,700	6,110	4,640	4,230	15,700	4,620	1,810	3,070	5,350	4,250
21	6,090	24,200	26,500	4,090	4,490	4,260	17,100	4,770	2,230	2,800	4,900	3,850
22	12,000	20,800	22,400	4,850	4,300	4,230	14,400	4,690	2,300	3,110	3,160	3,790
23	13,600	14,700	21,300	5,470	4,590	4,210	13,700	4,730	2,380	3,540	4,450	3,770
24	9,910	12,200	20,000	5,470	4,730	4,170	12,300	5,360	2,400	2,490	4,530	3,700
25	7,500	11,000	22,300	5,450	4,600	4,190	10,800	6,140	2,340	3,150	4,130	2,850
26	7,570	9,190	32,300	5,340	4,620	4,210	9,130	8,970	1,700	3,760	3,210	2,720
27	8,640	9,170	28,400	4,760	4,780	5,410	8,600	9,910	1,640	3,760	3,070	2,830
28	15,600	9,200	23,400	4,280	4,900	9,010	8,670	9,340	2,470	3,510	1,960	2,830
29	29,000	12,600	18,800	4,290	5,010	10,600	8,780	8,950	1,970	3,290	1,890	3,190
30	36,200	18,900	16,700	4,180	---	10,400	8,710	7,960	1,950	3,030	4,070	3,790
31	31,500	---	14,800	4,040	---	10,300	---	6,720	---	2,030	3,470	---
TOTAL	285,850	328,670	537,260	202,440	130,930	176,700	401,630	206,520	96,600	90,290	110,830	117,380
MEAN	9,221	10,960	17,330	6,530	4,515	5,700	13,390	6,662	3,220	2,913	3,575	3,913
MAX	36,200	24,200	46,300	12,900	5,150	10,600	26,000	12,200	6,540	4,130	7,990	6,640
MIN	3,380	6,060	4,610	4,040	3,740	3,710	8,600	3,900	1,640	1,890	1,770	1,850

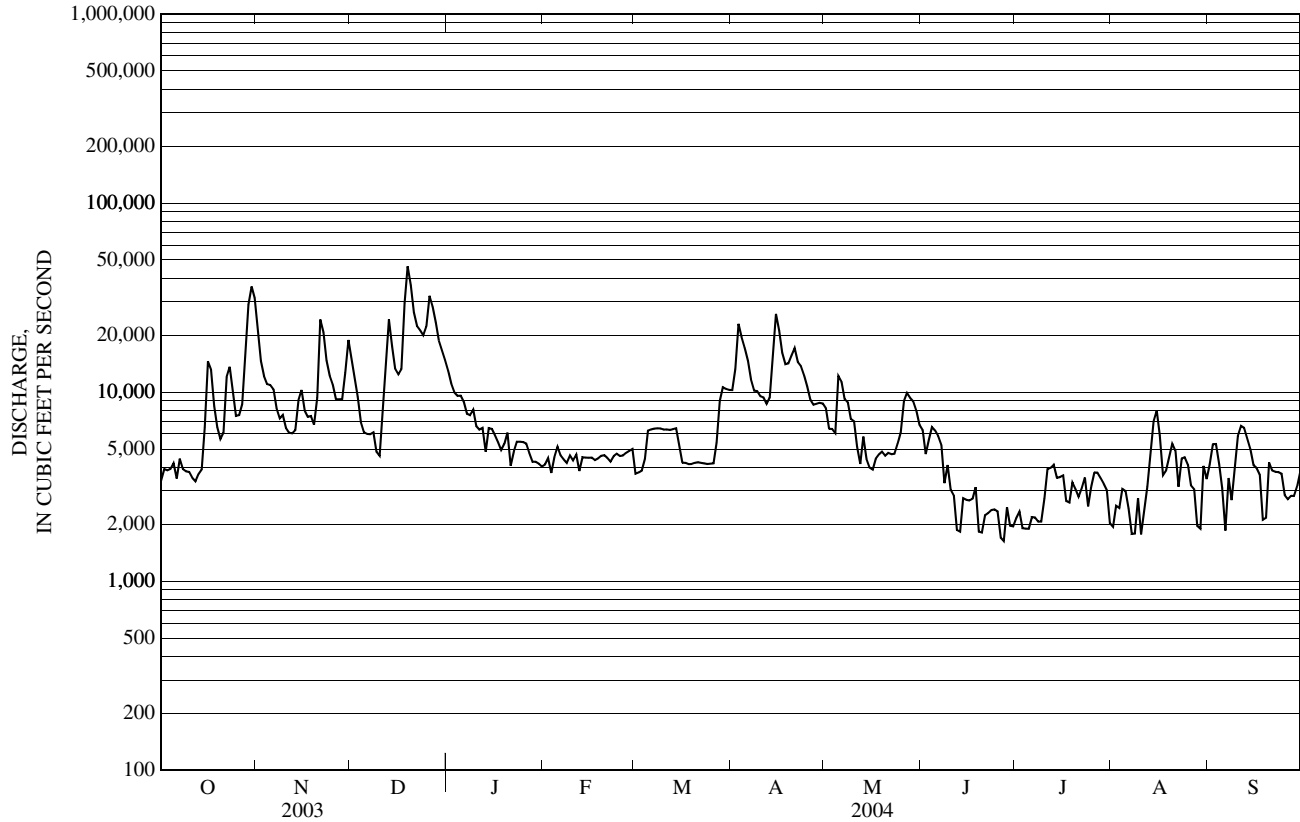
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2004, BY WATER YEAR (WY)

	MEAN	4,178	5,614	5,351	4,503	4,391	7,299	15,180	11,460	5,876	3,652	3,091	3,225
MAX	13,950	13,340	21,260	10,550	13,570	32,680	23,710	24,940	16,920	12,930	7,185	16,700	
(WY)	(1978)	(1996)	(1974)	(1996)	(1970)	(1936)	(1993)	(1937)	(1998)	(1996)	(1976)	(1954)	
MIN	1,848	1,904	1,845	1,852	1,881	2,384	5,722	3,688	2,518	2,039	1,762	1,439	
(WY)	(2002)	(1953)	(1979)	(1948)	(1948)	(1940)	(1995)	(1941)	(1941)	(1965)	(1995)	(1995)	

e Estimated

01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1929 - 2004	
ANNUAL TOTAL	2,317,420		2,685,100		6,152	
ANNUAL MEAN	6,349		7,336		9,828	
HIGHEST ANNUAL MEAN					3,500	
LOWEST ANNUAL MEAN					114,000	
HIGHEST DAILY MEAN	46,300	Dec 19	46,300	Dec 19	135,000	Mar 20, 1936
LOWEST DAILY MEAN	1,730	Sep 13	1,640	Jun 27	27.57	Mar 20, 1936
ANNUAL SEVEN-DAY MINIMUM	1,890	Aug 27	2,010	Jun 29		
MAXIMUM PEAK FLOW			48,000	Dec 19		
MAXIMUM PEAK STAGE			14.18	Dec 19		
10 PERCENT EXCEEDS	13,400		14,600			
50 PERCENT EXCEEDS	3,920		4,980			
90 PERCENT EXCEEDS	1,940		2,480			



01060000 ROYAL RIVER AT YARMOUTH, ME

LOCATION.--Lat 43°47'57", long 70°10'42" (corrected), Cumberland County, Hydrologic Unit 01060001, on right bank 150 ft upstream from East Main Street bridge in Yarmouth.

DRAINAGE AREA.--141 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1949 to September 2004 (discontinued).

REVISED RECORDS.--WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 9.51 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 3-7, 14-17, Jan. 7 to Mar. 25, and period of no gage-height record, Aug. 27-30, which are fair. Low flow may be regulated by operation of mills upstream. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft³/s, Mar. 13, 1977, gage height, 8.46 ft; minimum daily discharge, 5.7 ft³/s, July 23, 1980, caused by unusual regulation.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 30	0700	1,500	3.37	Apr 2	1645	*2,460	*4.20
Dec 12	1445	1,940	3.77	Apr 14	1900	1,990	3.81
Dec 18	1915	2,220	4.01				

Minimum daily discharge, 35 ft³/s, Feb. 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	437	499	351	e37	e61	498	209	211	63	90	106
2	72	315	350	312	e36	e82	1,750	188	229	54	83	85
3	64	309	e230	282	e35	e142	1,940	182	305	52	74	72
4	69	419	e189	269	e60	e238	1,050	473	332	51	78	64
5	296	435	e162	262	e75	e279	666	558	250	49	76	61
6	258	548	e142	239	e70	e371	516	352	184	49	64	58
7	154	440	e131	e207	e65	e348	425	260	157	49	57	56
8	110	324	158	e170	e61	e249	370	200	142	49	54	56
9	90	251	167	e147	e58	e179	326	171	127	55	56	115
10	78	208	162	e134	e56	e150	295	154	114	115	62	321
11	70	190	303	e126	e53	e138	261	147	97	96	60	183
12	82	188	1,800	e118	e51	e150	235	140	83	71	69	117
13	350	300	1,410	e120	e49	e174	273	125	75	60	600	92
14	311	439	e949	e115	e48	e188	1,730	110	71	55	854	79
15	786	316	e588	e110	e46	e155	1,740	108	70	58	383	69
16	1,220	232	e403	e102	e45	e145	1,020	156	66	64	241	65
17	647	196	e363	e92	e44	e126	581	224	61	62	223	62
18	315	176	1,800	e83	e43	e112	424	176	56	55	198	196
19	210	167	1,930	e77	e42	e102	371	155	54	59	144	452
20	168	466	1,270	e71	e42	e96	348	135	54	73	118	258
21	147	1,070	866	e66	e43	e119	305	113	54	160	371	163
22	173	801	517	e61	e47	e188	271	123	53	117	914	122
23	166	468	402	e57	e46	e165	255	355	54	82	471	99
24	164	342	379	e52	e45	e123	232	644	54	94	234	84
25	144	295	1,030	e49	e44	e120	205	965	55	100	155	76
26	126	260	1,320	e47	e43	166	256	597	60	75	119	73
27	185	227	954	e44	e42	571	428	394	80	60	e102	68
28	581	230	631	e42	e41	785	404	385	74	183	e90	65
29	972	968	455	e41	e47	458	307	600	64	286	e82	63
30	1,420	910	390	e39	---	311	244	404	66	164	e79	61
31	840	---	378	e38	---	256	---	261	---	111	96	---
TOTAL	10,355	11,927	20,328	3,923	1,414	6,747	17,726	9,064	3,352	2,671	6,297	3,441
MEAN	334	398	656	127	48.8	218	591	292	112	86.2	203	115
MAX	1,420	1,070	1,930	351	75	785	1,940	965	332	286	914	452
MIN	64	167	131	38	35	61	205	108	53	49	54	56
CFSM	2.37	2.82	4.65	0.90	0.35	1.54	4.19	2.07	0.79	0.61	1.44	0.81
IN.	2.73	3.15	5.36	1.04	0.37	1.78	4.68	2.39	0.88	0.70	1.66	0.91

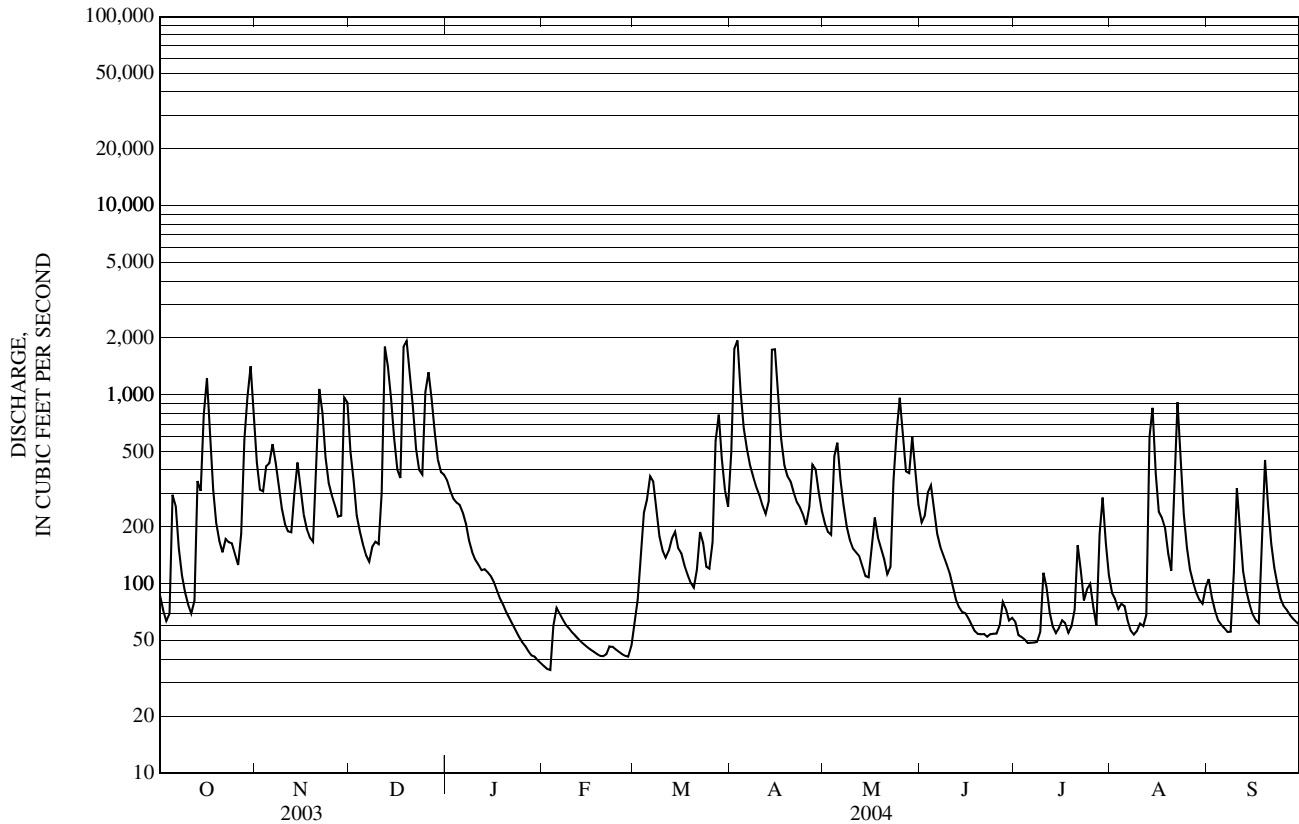
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

	145	304	305	223	232	550	732	316	183	90.7	76.4	86.0
MAX	682	851	1,210	704	658	1,603	1,372	1,085	739	434	679	822
(WY)	(1978)	(1984)	(1974)	(1978)	(1970)	(1977)	(1993)	(1989)	(1998)	(1996)	(1991)	(1954)
MIN	30.5	42.8	52.1	52.5	48.8	121	210	91.6	48.4	26.1	19.7	18.7
(WY)	(2002)	(1979)	(1979)	(1981)	(2004)	(1956)	(1985)	(1985)	(1985)	(1965)	(1965)	(1965)

e Estimated

01060000 ROYAL RIVER AT YARMOUTH, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL TOTAL	96,527		97,245		270	
ANNUAL MEAN	264		266		480	
HIGHEST ANNUAL MEAN					132	
LOWEST ANNUAL MEAN					9,980	
HIGHEST DAILY MEAN	1,930	Dec 19	1,940	Apr 3	Mar 13, 1977	
LOWEST DAILY MEAN	28	Sep 14	35	Feb 3	Jul 23, 1980	
ANNUAL SEVEN-DAY MINIMUM	32	Aug 28	38	Jan 28	Sep 24, 1965	
MAXIMUM PEAK FLOW			2,460	Apr 2	11,500	
MAXIMUM PEAK STAGE			4.20	Apr 2	8.46	
ANNUAL RUNOFF (CFSM)	1.88		1.88		1.91	
ANNUAL RUNOFF (INCHES)	25.47		25.66		26.01	
10 PERCENT EXCEEDS	605		591		628	
50 PERCENT EXCEEDS	134		154		120	
90 PERCENT EXCEEDS	42		53		42	



01063310 STONY BROOK AT EAST SEBAGO, ME

LOCATION.--Lat 43°51'20", long 70°38'23" (corrected), Cumberland County, Hydrologic Unit 01060001, on left bank at upstream side of culvert under State Route 11/114, 0.1 mile upstream from the Northwest River, and 0.6 mile upstream from mouth of Northwest River at Sebago Lake.

DRAINAGE AREA.--0.81 mi², furnished by Maine Department of Transportation.

PERIOD OF RECORD.--

DISCHARGE: October 1995 to current year.

REVISED RECORDS.--WDR ME-99-1: Drainage area.

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 275.35 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 30 to Jan. 26, Feb. 4, 20, and flows between 1.0 ft³/s and 0.10 ft³/s, which are fair, and flows below 0.10 ft³/s, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130 ft³/s, Sept. 17, 1999, gage height, 7.86 ft; minimum discharge, 0.01 ft³/s, Sept. 18-19, 2001, and Aug. 19, 21, 27-28, and Sept. 10, 12-13, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 19 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr 2	1200	*32	*5.57				

No other peaks greater than base discharge.

Minimum discharge, 0.10 ft³/s, Sept. 8, gage height, 3.59 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.44	3.3	2.4	e5.2	0.45	0.53	5.5	1.9	1.8	0.37	0.48	0.21
2	0.40	2.7	1.9	e5.0	0.48	0.62	21	1.8	1.9	0.39	0.40	0.19
3	0.34	2.3	1.6	e4.7	0.49	0.92	12	1.9	2.6	0.36	0.33	0.17
4	0.41	2.3	1.4	e4.5	e0.54	0.98	7.2	3.6	2.1	0.32	0.28	0.15
5	0.69	2.4	1.2	e4.3	0.52	1.2	5.9	3.0	1.7	0.32	0.25	0.14
6	0.61	2.7	1.2	e4.0	0.53	2.2	5.0	2.5	1.4	0.37	0.22	0.13
7	0.51	2.4	1.3	e3.6	0.56	2.3	4.3	2.0	1.3	0.29	0.21	0.12
8	0.43	1.9	1.2	e2.8	0.52	1.7	3.8	1.7	1.2	0.32	0.22	0.11
9	0.40	1.6	1.2	e2.0	0.51	1.4	3.6	1.5	1.0	0.62	0.20	0.99
10	0.37	1.5	1.2	e1.5	0.52	1.3	3.2	1.4	0.91	0.53	0.17	1.5
11	0.35	1.4	3.6	e1.3	0.52	1.3	2.9	1.3	0.78	0.39	0.19	0.82
12	0.36	1.4	13	e1.4	0.50	1.5	2.6	1.2	0.68	0.31	0.22	0.57
13	0.71	1.8	8.6	e1.6	0.50	1.6	3.5	1.1	0.61	0.28	1.4	0.42
14	0.61	1.9	6.1	e1.5	0.50	1.3	14	1.0	0.55	0.38	0.99	0.30
15	3.0	1.7	5.6	e1.1	0.47	1.4	9.3	0.98	0.52	0.46	0.70	0.24
16	3.4	1.8	5.1	e0.92	0.45	1.3	6.2	1.5	0.49	0.43	0.64	0.21
17	2.2	1.6	6.3	e0.87	0.42	1.1	4.7	1.4	0.47	0.38	0.65	0.20
18	1.6	1.4	17	e0.91	0.43	0.95	4.0	1.2	0.43	0.33	0.52	1.3
19	1.3	1.3	12	e0.98	0.44	0.87	3.3	1.1	0.49	0.83	0.43	1.7
20	1.1	1.9	9.7	e0.95	e0.44	0.87	3.0	0.93	0.50	0.89	0.35	0.92
21	0.99	2.4	8.2	e0.87	0.46	1.1	2.8	0.88	0.43	0.78	0.76	0.68
22	0.99	2.1	7.1	e0.88	0.47	1.2	2.5	1.2	0.39	0.57	1.1	0.55
23	0.92	1.7	6.5	e0.82	0.47	0.95	2.4	2.2	0.39	0.46	0.83	0.43
24	0.83	1.6	7.0	e0.66	0.46	0.96	2.2	4.7	0.36	0.41	0.59	0.35
25	0.73	1.4	11	e0.55	0.46	1.2	1.9	4.7	0.36	0.33	0.44	0.29
26	0.67	1.3	11	e0.47	0.45	1.8	2.8	3.3	0.57	0.28	0.36	0.25
27	0.84	1.2	9.1	0.45	0.45	4.0	3.4	2.7	0.54	0.29	0.29	0.24
28	1.5	1.4	7.8	0.44	0.46	4.1	2.9	3.5	0.43	1.5	0.31	0.22
29	4.9	3.4	7.0	0.46	0.46	3.0	2.2	3.4	0.50	1.1	0.25	0.20
30	5.5	3.0	e6.2	0.47	---	2.4	2.1	2.4	0.44	0.71	0.22	0.19
31	3.3	---	e5.6	0.46	---	2.3	---	1.8	---	0.54	0.26	---
TOTAL	40.40	58.8	188.1	55.66	13.93	48.35	150.2	63.79	25.84	15.54	14.26	13.79
MEAN	1.30	1.96	6.07	1.80	0.48	1.56	5.01	2.06	0.86	0.50	0.46	0.46
MAX	5.5	3.4	17	5.2	0.56	4.1	21	4.7	2.6	1.5	1.4	1.7
MIN	0.34	1.2	1.2	0.44	0.42	0.53	1.9	0.88	0.36	0.28	0.17	0.11
CFSM	1.61	2.42	7.49	2.22	0.59	1.93	6.18	2.54	1.06	0.62	0.57	0.57
IN.	1.86	2.70	8.64	2.56	0.64	2.22	6.90	2.93	1.19	0.71	0.65	0.63

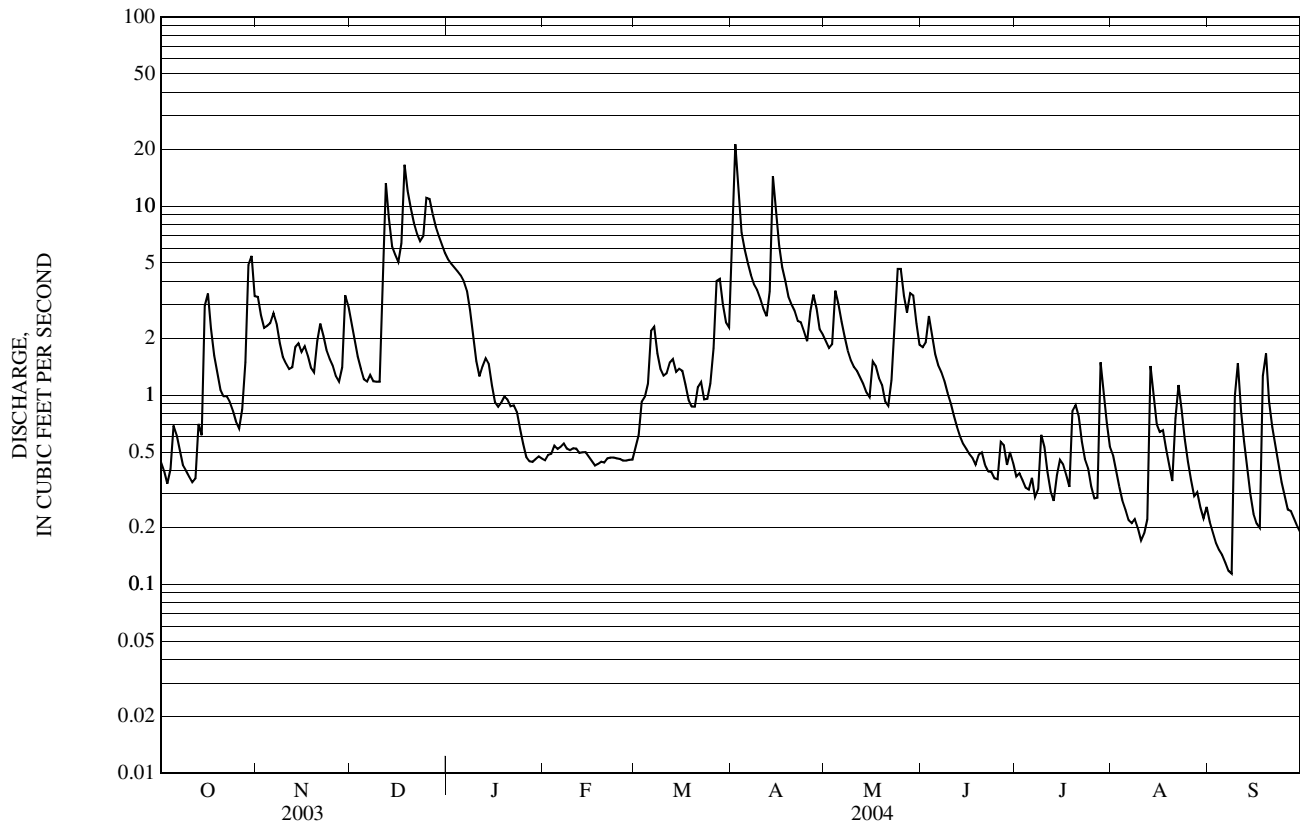
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	1.46	1.59	2.04	1.40	1.35	3.78	4.84	2.17	1.49	0.61	0.43	0.75
MAX	4.86	3.03	6.07	2.41	2.86	8.23	7.72	3.41	6.18	1.55	0.99	4.51
(WY)	(1997)	(1996)	(2004)	(1996)	(1996)	(1999)	(2001)	(1996)	(1998)	(1998)	(2003)	(1999)
MIN	0.05	0.13	0.20	0.18	0.48	1.42	2.80	1.11	0.33	0.20	0.04	0.04
(WY)	(2002)	(2002)	(2002)	(2002)	(2004)	(2001)	(1999)	(2001)	(1999)	(1999)	(2002)	(2001)

e Estimated

01063310 STONY BROOK AT EAST SEBAGO, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	724.83		688.66		1.83	
ANNUAL MEAN	1.99		1.88		0.85	
HIGHEST ANNUAL MEAN					2.38	
LOWEST ANNUAL MEAN					0.85	
HIGHEST DAILY MEAN	17	Dec 18	21	Apr 2	66	Sep 17, 1999
LOWEST DAILY MEAN	0.10	Jul 31	0.11	Sep 8	0.01	Sep 12, 2001
ANNUAL SEVEN-DAY MINIMUM	0.15	Jul 25	0.14	Sep 2	0.01	Sep 12, 2001
MAXIMUM PEAK FLOW			32	Apr 2	130	Sep 17, 1999
MAXIMUM PEAK STAGE			5.57	Apr 2	7.86	Sep 17, 1999
INSTANTANEOUS LOW FLOW			0.10	Sep 8	0.01	Sep 18, 2001
ANNUAL RUNOFF (CFSM)	2.45		2.32		2.25	
ANNUAL RUNOFF (INCHES)	33.29		31.63		30.63	
10 PERCENT EXCEEDS	5.0		4.7		4.2	
50 PERCENT EXCEEDS	0.98		0.99		0.97	
90 PERCENT EXCEEDS	0.25		0.31		0.14	



01063995 SEBAGO LAKE NEAR NORTH WINDHAM, ME

LOCATION.--Lat 43°46'40", long 70°30'22" (corrected), Cumberland County, Hydrologic Unit 01060001, 4.5 miles south of Sebago Lake outlet, and 0.2 miles west of State Route 35.

DRAINAGE AREA.--440 mi².

PERIOD OF RECORD.--

ELEVATION: November 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929.

REMARKS.--No elevation record, Aug. 22-24. Satellite telemeter at station.

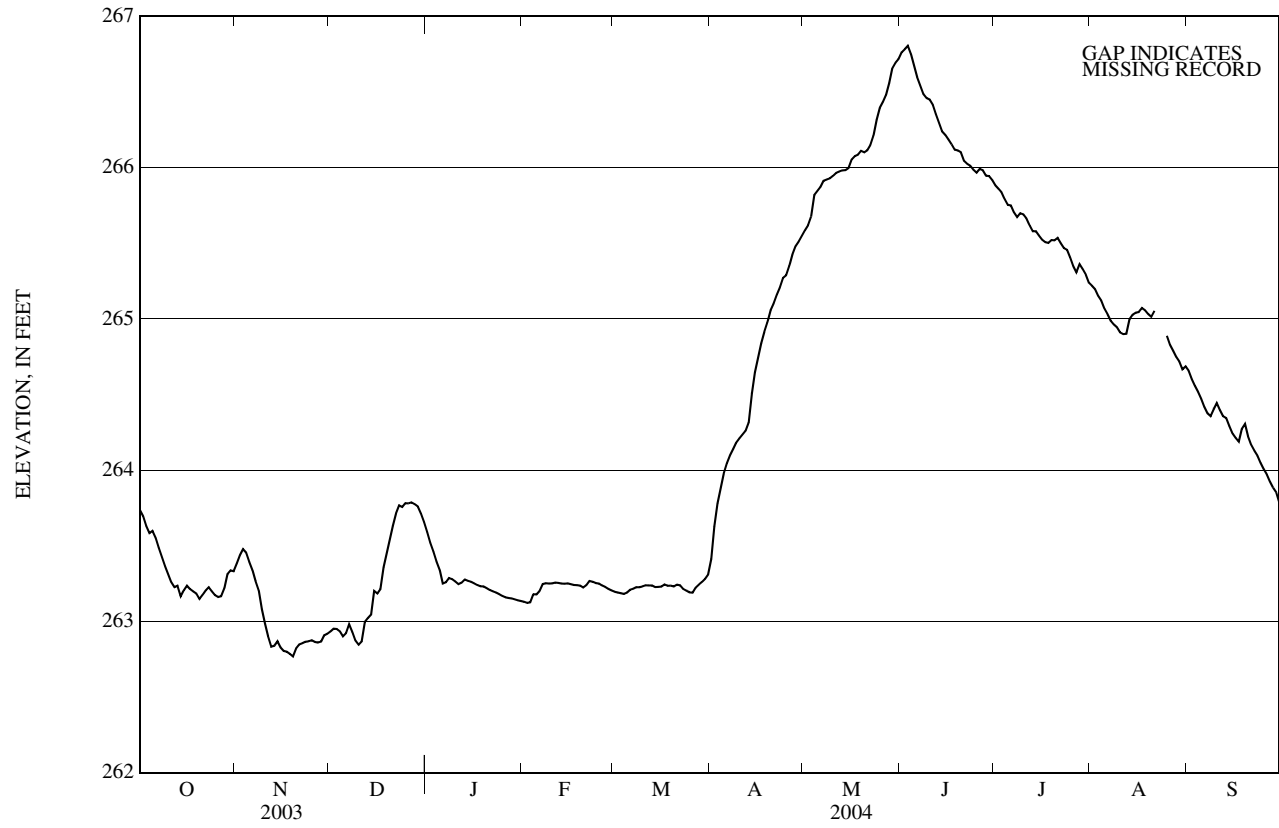
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 266.88 ft, June 3, 2004; minimum elevation, 260.56 ft, Feb. 10 and 20, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 266.88 ft, June 3; minimum elevation, 262.74 ft, Nov. 19-20.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263.74	263.38	262.93	263.59	263.13	263.20	263.41	265.58	266.76	265.88	265.22	264.66
2	263.69	263.44	262.95	263.52	263.12	263.19	263.63	265.62	266.78	265.86	265.20	264.60
3	263.63	263.48	262.95	263.46	263.13	263.19	263.78	265.68	266.81	265.84	265.15	264.56
4	263.58	263.46	262.93	263.40	263.18	263.18	263.87	265.82	266.75	265.79	265.12	264.52
5	263.60	263.39	262.90	263.34	263.18	263.19	263.98	265.84	266.67	265.75	265.07	264.47
6	263.55	263.34	262.92	263.25	263.20	263.21	264.05	265.87	266.60	265.75	265.03	264.42
7	263.49	263.27	262.98	263.26	263.25	263.22	264.10	265.91	266.54	265.70	264.99	264.38
8	263.42	263.20	262.93	263.29	263.25	263.23	264.14	265.92	266.49	265.67	264.96	264.36
9	263.37	263.08	262.87	263.28	263.25	263.23	264.18	265.93	266.46	265.70	264.94	264.40
10	263.31	262.98	262.85	263.26	263.25	263.23	264.21	265.95	266.45	265.69	264.91	264.44
11	263.26	262.90	262.87	263.25	263.26	263.24	264.23	265.96	266.42	265.66	264.90	264.40
12	263.23	262.83	263.00	263.26	263.25	263.24	264.26	265.97	266.35	265.62	264.90	264.36
13	263.24	262.84	263.02	263.28	263.25	263.24	264.31	265.98	266.30	265.58	265.00	264.34
14	263.17	262.87	263.04	263.27	263.25	263.23	264.51	265.98	266.24	265.58	265.03	264.29
15	263.20	262.83	263.20	263.26	263.25	263.23	264.65	266.00	266.22	265.55	265.04	264.24
16	263.24	262.81	263.18	263.25	263.25	263.23	264.75	266.05	266.19	265.52	265.05	264.21
17	263.21	262.80	263.21	263.24	263.24	263.24	264.84	266.08	266.15	265.51	265.07	264.19
18	263.20	262.79	263.36	263.23	263.24	263.24	264.91	266.09	266.12	265.50	265.06	264.27
19	263.18	262.77	263.45	263.23	263.24	263.24	264.98	266.11	266.11	265.52	265.03	264.31
20	263.15	262.82	263.54	263.22	263.22	263.23	265.06	266.10	266.10	265.52	265.01	264.22
21	263.17	262.85	263.63	263.21	263.24	263.24	265.10	266.11	266.05	265.53	265.05	264.17
22	263.20	262.86	263.71	263.20	263.27	263.24	265.16	266.15	266.02	265.50	---	264.13
23	263.23	262.87	263.77	263.19	263.26	263.21	265.21	266.21	266.01	265.47	---	264.10
24	263.20	262.87	263.76	263.18	263.25	263.20	265.27	266.32	265.99	265.46	---	264.05
25	263.17	262.87	263.78	263.17	263.25	263.19	265.29	266.39	265.97	265.41	264.89	264.01
26	263.16	262.86	263.78	263.16	263.24	263.19	265.35	266.43	265.99	265.35	264.83	263.97
27	263.17	262.86	263.79	263.16	263.23	263.22	265.42	266.48	265.98	265.31	264.79	263.92
28	263.22	262.87	263.78	263.15	263.22	263.24	265.48	266.56	265.95	265.36	264.75	263.88
29	263.31	262.91	263.76	263.15	263.20	263.26	265.51	266.66	265.94	265.33	264.72	263.85
30	263.34	262.92	263.71	263.14	---	263.28	265.55	266.69	265.92	265.29	264.67	263.79
31	263.33	---	263.66	263.14	---	263.31	---	266.72	---	265.24	264.69	---
MEAN	263.32	263.00	263.30	263.26	263.23	263.23	264.64	266.10	266.28	265.56	---	264.25
MAX	263.74	263.48	263.79	263.59	263.27	263.31	265.55	266.72	266.81	265.88	---	264.66
MIN	263.15	262.77	262.85	263.14	263.12	263.18	263.41	265.58	265.92	265.24	---	263.79

01063995 SEBAGO LAKE NEAR NORTH WINDHAM, ME—Continued



01064118 PRESUMPCOT RIVER AT WESTBROOK, ME

LOCATION.--Lat 43°41'13", long 70°20'50" (corrected), Cumberland County, Hydrologic Unit 01060001, on right bank, 0.4 miles downstream from Cumberland Street Bridge in Westbrook, and at SAPPI Fine Paper bridge.

DRAINAGE AREA.--577 mi².

PERIOD OF RECORD.--

GAGE HEIGHT: November 1998 to current year.

DISCHARGE: October 1975 to September 1995. Prior to October 1984, published as "near West Falmouth".

GAGE.--Water-stage recorder. Datum of gage 13.42 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height affected by regulation of Sebago Lake and many small power plants upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Oct. 22, 1996 reached a stage of 34.10 ft, from floodmarks.

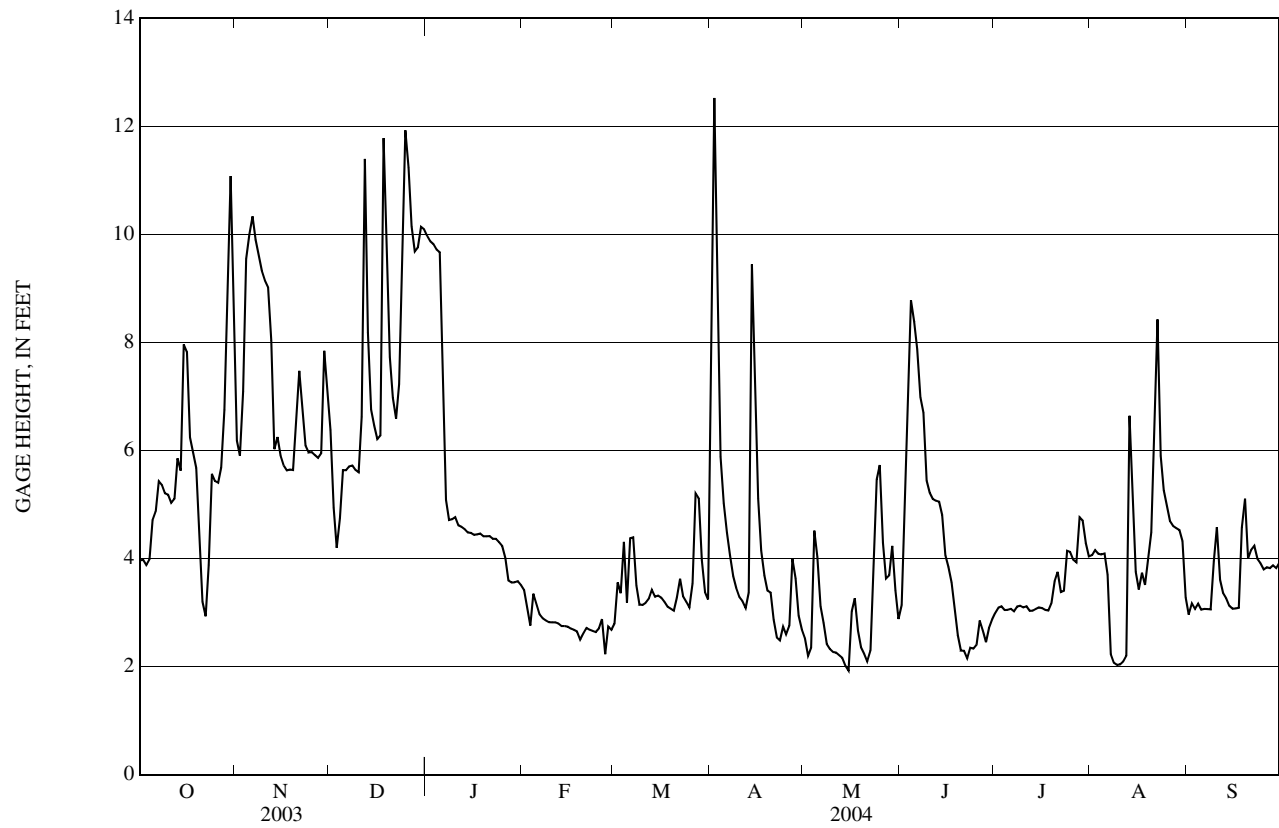
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.32 ft, Sept. 17, 1999; minimum gage height, 1.04 ft, May 21, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.45 ft, Apr. 2; minimum gage height, 1.64 ft, Sept. 7.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.97	6.18	6.38	9.97	3.42	2.79	5.59	2.53	3.14	2.99	4.06	2.96
2	3.98	5.91	4.94	9.87	3.11	3.56	12.53	2.20	5.25	3.09	4.16	3.17
3	3.88	7.09	4.20	9.82	2.76	3.36	9.96	2.35	6.96	3.12	4.09	3.07
4	3.99	9.54	4.74	9.72	3.35	4.31	5.88	4.52	8.78	3.05	4.08	3.17
5	4.71	10.00	5.64	9.67	3.15	3.19	5.02	4.03	8.38	3.05	4.09	3.06
6	4.88	10.33	5.64	7.97	2.97	4.38	4.48	3.11	7.88	3.07	3.70	3.07
7	5.43	9.90	5.71	5.09	2.89	4.39	4.06	2.81	6.99	3.02	2.23	3.07
8	5.36	9.61	5.72	4.71	2.85	3.50	3.67	2.42	6.70	3.11	2.07	3.06
9	5.21	9.33	5.64	4.73	2.82	3.15	3.46	2.33	5.44	3.13	2.03	3.95
10	5.18	9.15	5.60	4.77	2.82	3.14	3.29	2.27	5.22	3.10	2.04	4.58
11	5.03	9.02	6.62	4.62	2.82	3.18	3.21	2.26	5.10	3.11	2.10	3.61
12	5.11	8.03	11.40	4.59	2.80	3.26	3.09	2.21	5.07	3.03	2.20	3.36
13	5.85	6.02	8.18	4.54	2.75	3.42	3.37	2.16	5.05	3.03	6.64	3.26
14	5.63	6.25	6.76	4.48	2.75	3.29	9.45	2.02	4.81	3.07	5.24	3.13
15	7.96	5.91	6.47	4.47	2.74	3.31	7.01	1.93	4.06	3.09	3.75	3.07
16	7.82	5.72	6.21	4.44	2.71	3.28	5.11	3.02	3.85	3.08	3.43	3.08
17	6.24	5.63	6.27	4.45	2.68	3.20	4.15	3.26	3.56	3.05	3.74	3.09
18	5.96	5.65	11.78	4.46	2.65	3.11	3.69	2.66	3.07	3.04	3.51	4.57
19	5.68	5.64	9.25	4.41	2.50	3.07	3.41	2.36	2.58	3.17	3.99	5.11
20	4.50	6.55	7.73	4.41	2.61	3.03	3.37	2.24	2.30	3.58	4.48	4.00
21	3.20	7.48	6.97	4.42	2.72	3.28	2.87	2.10	2.29	3.75	6.58	4.16
22	2.93	6.71	6.59	4.37	2.68	3.63	2.54	2.30	2.15	3.38	8.43	4.24
23	3.88	6.09	7.23	4.37	2.66	3.30	2.48	3.62	2.35	3.40	5.90	3.99
24	5.57	5.97	9.42	4.30	2.64	3.20	2.74	5.46	2.33	4.14	5.26	3.91
25	5.44	5.97	11.93	4.24	2.71	3.10	2.60	5.73	2.40	4.12	4.97	3.80
26	5.41	5.91	11.24	4.01	2.88	3.54	2.76	4.29	2.85	3.98	4.70	3.84
27	5.69	5.86	10.15	3.59	2.23	5.21	3.99	3.63	2.67	3.93	4.60	3.82
28	6.75	5.95	9.68	3.56	2.74	5.11	3.63	3.69	2.45	4.77	4.56	3.87
29	8.94	7.85	9.76	3.56	2.68	3.97	2.95	4.23	2.72	4.71	4.53	3.83
30	11.08	7.05	10.14	3.58	---	3.38	2.69	3.41	2.88	4.29	4.32	3.92
31	8.43	---	10.10	3.51	---	3.24	---	2.88	---	4.04	3.28	---
MEAN	5.60	7.21	7.68	5.31	2.80	3.51	4.43	3.03	4.31	3.44	4.15	3.63
MAX	11.08	10.33	11.93	9.97	3.42	5.21	12.53	5.73	8.78	4.77	8.43	5.11
MIN	2.93	5.63	4.20	3.51	2.23	2.79	2.48	1.93	2.15	2.99	2.03	2.96

01064118 PRESUMPCOT RIVER AT WESTBROOK, ME—Continued



SACO RIVER BASIN
01064500 SACO RIVER NEAR CONWAY, NH

LOCATION.--Lat 43°59'27", long 71°05'26" (corrected), Carroll County, Hydrologic Unit 01060002, on left bank at Odell Falls, and 1.8 mi downstream from Swift River and Conway.

DRAINAGE AREA.--385 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1903 to December 1909, February 1929 to current year. Monthly discharge only for some periods, published in WSP 1301. Prior to 1912 published as "at Center Conway".

GAGE HEIGHT: August to September 1903, January 1910 to June 1912.

REVISED RECORDS.--WSP 1301: 1908-09. WDR ME-81-1: Drainage area. WDR ME-87-1: 1936 (M), 1951 (M), 1953 (M), 1960 (M), 1977 (M).

GAGE.--Water-stage recorder. Datum of gage is 418.19 ft above National Geodetic Vertical Datum of 1929. Aug. 26, 1903 to June 30, 1912, nonrecording gage at site 0.8 mi downstream at different datum.

REMARKS.--Records good, except for periods of ice effect, Dec. 3-11, 14-17, Jan. 7 to Mar. 25, periods of doubtful gage-height record, Dec. 18, Jan. 11-26, Feb. 4-23, Apr. 14-23, and period of no gage-height record, May 1-6, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,200 ft³/s, Mar. 27, 1953, gage height, 17.20 ft; maximum gage height, 19.03 ft, Mar. 7, 1979 (backwater from ice); minimum discharge, 40 ft³/s, Mar. 16, 1932, gage height, 1.61 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 15	1815	12,900	9.17	Nov 20	1545	11,500	8.82
Oct 28	0500	14,600	9.60	Dec 12	0415	10,600	8.58
Oct 29	2100	13,200	9.24	Dec 18	Unknown	*28,400 ^a	*12.86

Minimum discharge, 183 ft³/s, Aug. 11, gage height, 2.35 ft.

^a Estimated daily discharge

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	768	2,600	2,180	1,690	e406	e250	2,440	e1,470	988	298	328	1,060
2	702	2,130	1,770	1,490	e394	e317	4,660	e1,590	1,230	314	410	685
3	645	2,080	e1,420	1,430	e389	e414	3,480	e3,200	1,210	313	313	527
4	639	2,020	e1,260	1,500	e385	e427	2,760	e3,890	1,070	267	282	448
5	1,100	1,830	e1,150	1,380	e377	e385	2,490	e2,450	914	259	262	388
6	867	1,960	e1,070	1,260	e368	e516	1,790	e1,680	815	291	233	357
7	721	1,630	e1,020	e1,080	e360	e704	1,480	1,450	756	269	221	340
8	647	1,430	e969	e875	e342	e580	1,360	1,300	701	292	216	324
9	595	1,270	e937	e716	e325	e444	1,320	1,140	634	598	207	1,570
10	554	1,190	e913	e662	e319	e393	1,260	1,050	625	816	194	3,790
11	528	1,140	e1,740	e678	e316	e384	1,150	1,010	561	505	191	1,720
12	522	1,100	6,900	e750	e307	e411	1,070	992	508	387	300	1,120
13	694	1,990	2,620	e816	e303	e411	1,190	865	477	323	622	885
14	595	1,970	e1,830	e769	e296	e366	6,400	800	451	308	2,040	727
15	5,180	1,390	e1,520	e729	e284	e381	4,060	778	450	328	854	634
16	4,080	1,210	e1,360	e681	e276	e355	2,640	889	442	346	594	566
17	2,080	1,130	e1,970	e653	e268	e342	2,100	860	396	316	1,060	517
18	1,530	1,070	e18,100	e621	e261	e331	2,480	734	370	349	829	724
19	1,290	1,130	5,620	e589	e255	e323	2,570	842	361	558	605	1,120
20	1,130	6,250	3,510	e567	e252	e315	3,810	811	354	554	524	764
21	1,210	4,250	2,580	e544	e245	e322	2,330	679	328	627	522	617
22	1,590	2,610	2,270	e527	e241	e314	1,790	711	315	445	908	551
23	1,200	2,040	1,970	e509	e237	e268	2,030	1,160	349	371	637	496
24	1,050	1,740	1,940	e493	e233	e323	1,640	2,200	331	489	507	450
25	941	1,570	6,820	e482	e231	e309	1,410	2,440	316	431	444	423
26	890	1,400	4,690	e469	e224	339	1,500	1,870	310	354	393	409
27	2,500	1,300	3,000	e457	e220	852	1,800	1,600	326	316	360	387
28	9,100	1,300	2,380	e444	e229	1,630	1,530	1,490	282	317	334	366
29	7,180	5,600	2,090	e432	e225	1,220	1,250	1,510	314	313	328	355
30	6,870	3,100	1,990	e428	---	1,080	1,240	1,220	381	283	343	336
31	3,510	---	1,890	e419	---	1,040	---	1,060	---	259	2,090	---
TOTAL	60,908	61,430	89,479	24,140	8,568	15,746	67,030	43,741	16,565	11,896	17,151	22,656
MEAN	1,965	2,048	2,886	779	295	508	2,234	1,411	552	384	553	755
MAX	9,100	6,250	18,100	1,690	406	1,630	6,400	3,890	1,230	816	2,090	3,790
MIN	522	1,070	913	419	220	250	1,070	679	282	259	191	324
CFSM	5.10	5.32	7.50	2.02	0.77	1.32	5.80	3.66	1.43	1.00	1.44	1.96
IN.	5.89	5.94	8.65	2.33	0.83	1.52	6.48	4.23	1.60	1.15	1.66	2.19

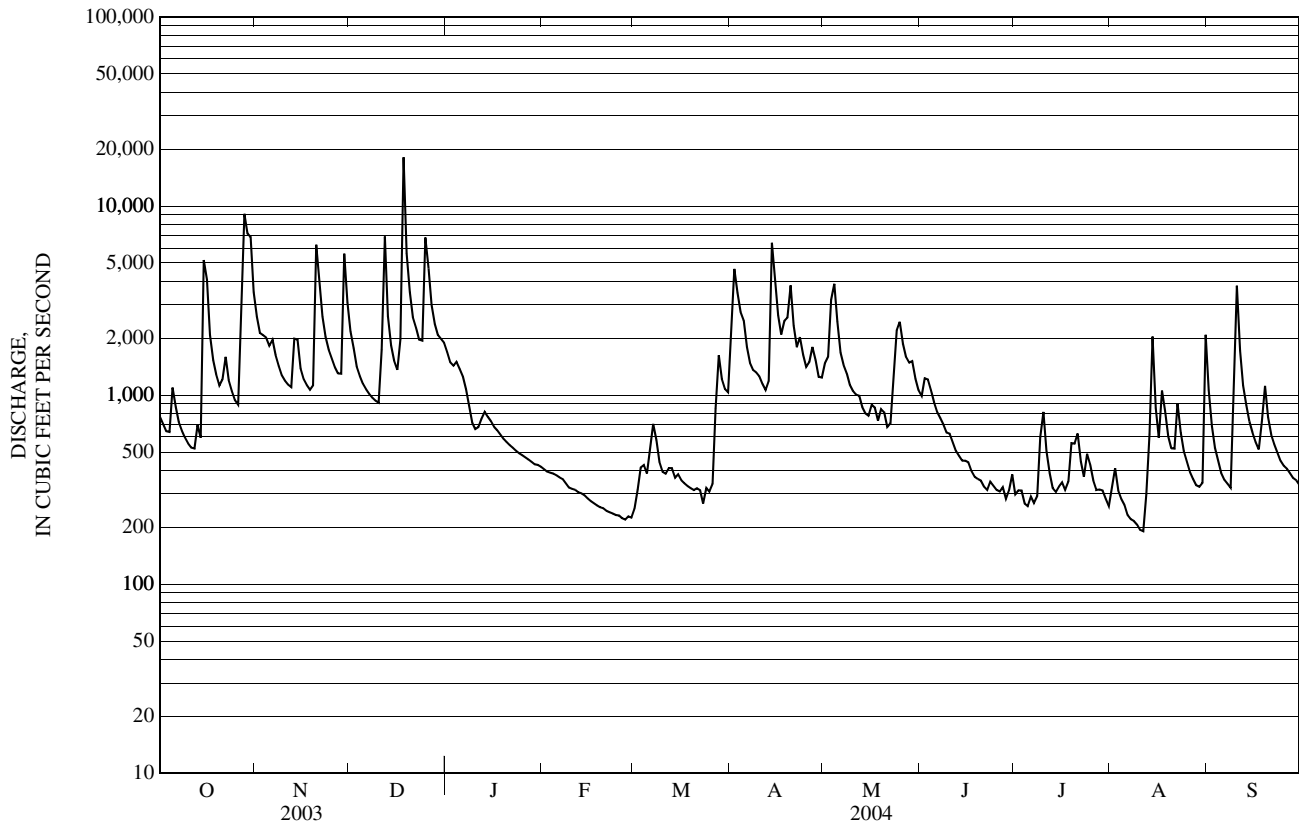
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2004, BY WATER YEAR (WY)

MEAN	651	958	782	568	502	963	2,615	2,202	841	434	363	397
MAX	2,369	2,493	2,886	1,887	3,170	5,986	4,564	4,609	3,644	2,043	1,685	1,794
(WY)	(1978)	(1908)	(2004)	(1986)	(1981)	(1936)	(1987)	(1940)	(1998)	(1973)	(1990)	(1954)
MIN	114	211	152	144	124	146	871	614	300	158	120	102
(WY)	(1948)	(1909)	(1956)	(1940)	(1940)	(1940)	(1995)	(1941)	(1964)	(1991)	(2001)	(1948)

e Estimated

01064500 SACO RIVER NEAR CONWAY, NH—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1904 - 2004	
ANNUAL TOTAL	439,735		439,310		940	
ANNUAL MEAN	1,205		1,200		1,463	
HIGHEST ANNUAL MEAN					489	
LOWEST ANNUAL MEAN					33,900	
HIGHEST DAILY MEAN	18,100	Dec 18	18,100	Dec 18	74	Mar 19, 1936
LOWEST DAILY MEAN	170	Jul 31	191	Aug 11	66	Aug 4, 1959
ANNUAL SEVEN-DAY MINIMUM	199	Mar 1	218	Aug 5	74	Aug 3, 1959
MAXIMUM PEAK FLOW			28,400	Dec 18	47,200	Mar 27, 1953
MAXIMUM PEAK STAGE			12.86	Dec 18	19.03	Mar 7, 1979
INSTANTANEOUS LOW FLOW			183	Aug 11	40	Mar 16, 1932
ANNUAL RUNOFF (CFSM)	3.13		3.12		2.44	
ANNUAL RUNOFF (INCHES)	42.49		42.45		33.19	
10 PERCENT EXCEEDS	2,450		2,440		2,170	
50 PERCENT EXCEEDS	790		714		460	
90 PERCENT EXCEEDS	216		302		185	



01066000 SACO RIVER AT CORNISH, ME

LOCATION.--Lat 43°48'29", long 70°46'54" (corrected), Cumberland County, Hydrologic Unit 01060002, on left bank 300 ft upstream from State Route 117 highway bridge at Cornish and 0.4 mi downstream from Ossipee River.

DRAINAGE AREA.--1,293 mi².

PERIOD OF RECORD.--

DISCHARGE: June 1916 to current year.

CHEMICAL ANALYSES: Water years 1954, 1975-95.

SPECIFIC CONDUCTANCE: July 1975 to September 1981.

WATER TEMPERATURE: July 1975 to September 1981.

REVISED RECORDS.--WSP 1301: 1917-18(M). WDR ME-81-1: Drainage area. WDR ME-91-1: 1936 (M).

GAGE.--Water-stage recorder. Datum of gage is 263.48 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 30, 1919, nonrecording gage at bridge 300 ft downstream at datum approximately 1.2 ft higher.

REMARKS.--Records good, except for periods of ice effect, Dec. 8-10 and Jan. 6 to Mar. 31, which are fair. Flow partly regulated by powerplants above station; by Ossipee, Silver, Conway, and Kezar Lakes; by Moose, Hancock, Pine River, Bickford and Colcord Ponds; combined capacity, 3.4 billion ft³. Satellite telemeter at station. Gage is operated in conjunction with a co-located precipitation gage (station 434829070465101). Records for precipitation are located in the Quantity of Precipitation section in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,600 ft³/s, Mar. 21-22, 1936, gage height, 21.90 ft (from floodmarks); minimum daily discharge, 244 ft³/s, Oct. 7, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,800 ft³/s, Dec. 21, gage height, 9.89 ft; minimum daily discharge, 573 ft³/s, Aug. 12.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,310	9,510	5,570	7,290	e1,570	e1,130	3,940	3,810	4,110	797	893	1,170
2	2,240	9,580	5,810	6,630	e1,530	e1,150	6,010	3,630	3,930	870	912	1,490
3	2,200	9,130	5,710	6,030	e1,490	e1,170	6,900	3,590	3,610	820	826	1,280
4	2,120	8,540	5,370	5,670	e1,470	e1,380	7,420	3,960	3,500	676	836	1,130
5	1,950	7,890	4,910	5,300	e1,440	e1,420	8,000	4,270	3,300	693	825	1,130
6	1,840	7,460	4,570	e4,910	e1,430	e1,570	8,110	4,420	3,120	767	687	1,020
7	1,760	6,930	3,740	e4,440	e1,480	e1,920	7,660	4,490	2,920	704	653	961
8	1,910	6,400	e3,230	e3,500	e1,460	e2,040	7,030	4,150	2,430	669	598	1,100
9	1,880	5,870	e3,170	e2,840	e1,430	e2,030	6,390	3,960	2,260	844	614	1,490
10	1,800	5,390	e3,000	e2,560	e1,410	e1,900	5,830	3,690	2,100	1,170	614	2,300
11	1,750	4,940	3,390	e2,480	e1,380	e1,770	5,320	3,510	1,980	1,390	579	3,030
12	1,720	4,550	5,570	e2,420	e1,360	e1,680	4,920	3,090	1,850	1,390	573	3,330
13	1,730	4,390	5,060	e2,370	e1,340	e1,640	4,670	2,840	1,660	1,200	979	2,490
14	1,710	4,380	5,150	e2,350	e1,320	e1,600	6,760	2,660	1,630	1,010	1,610	2,300
15	2,570	4,320	5,070	e2,320	e1,290	e1,440	7,130	2,280	1,220	982	2,150	2,200
16	3,690	4,310	5,050	e2,310	e1,270	e1,390	7,640	2,300	1,200	1,000	1,990	1,900
17	4,260	4,190	5,220	e2,310	e1,260	e1,360	7,980	2,270	1,160	760	1,980	1,750
18	4,310	3,970	7,040	e2,360	e1,250	e1,290	7,880	2,140	1,180	774	1,740	1,770
19	4,470	3,780	8,450	e2,320	e1,230	e1,260	7,500	2,080	1,060	952	1,670	1,910
20	4,430	3,330	12,000	e2,290	e1,230	e1,180	6,950	2,190	1,120	1,110	1,560	1,890
21	4,280	4,460	13,600	e2,250	e1,220	e1,200	6,560	2,180	1,060	1,550	1,670	1,850
22	4,050	5,010	13,100	e2,210	e1,230	e1,160	6,380	2,160	1,030	1,320	1,670	1,940
23	3,950	5,590	11,900	e2,140	e1,210	e1,130	6,040	2,420	952	1,150	1,710	1,720
24	3,860	5,820	10,600	e2,020	e1,200	e1,110	5,560	3,150	951	1,130	1,660	1,410
25	3,650	5,700	10,200	e1,890	e1,210	e1,100	5,060	4,230	932	1,050	1,510	1,410
26	3,440	5,110	10,200	e1,810	e1,190	e1,170	4,890	4,430	862	931	1,350	1,180
27	3,390	5,270	10,700	e1,770	e1,140	e1,780	4,760	4,570	913	1,000	1,190	1,160
28	3,570	4,910	10,700	e1,730	e1,200	e2,230	4,550	4,700	914	1,370	996	1,120
29	5,270	5,170	9,920	e1,690	e1,160	e2,660	4,320	4,870	902	1,160	919	1,010
30	7,260	5,200	8,880	e1,630	---	e2,810	4,070	4,720	901	1,140	853	973
31	8,520	---	8,060	e1,600	---	e2,900	---	4,400	---	973	775	---
TOTAL	101,890	171,100	224,940	93,440	38,400	49,570	186,230	107,160	54,757	31,352	36,592	49,414
MEAN	3,287	5,703	7,256	3,014	1,324	1,599	6,208	3,457	1,825	1,011	1,180	1,647
MAX	8,520	9,580	13,600	7,290	1,570	2,900	8,110	4,870	4,110	1,550	2,150	3,330
MIN	1,710	3,330	3,000	1,600	1,140	1,100	3,940	2,080	862	669	573	961

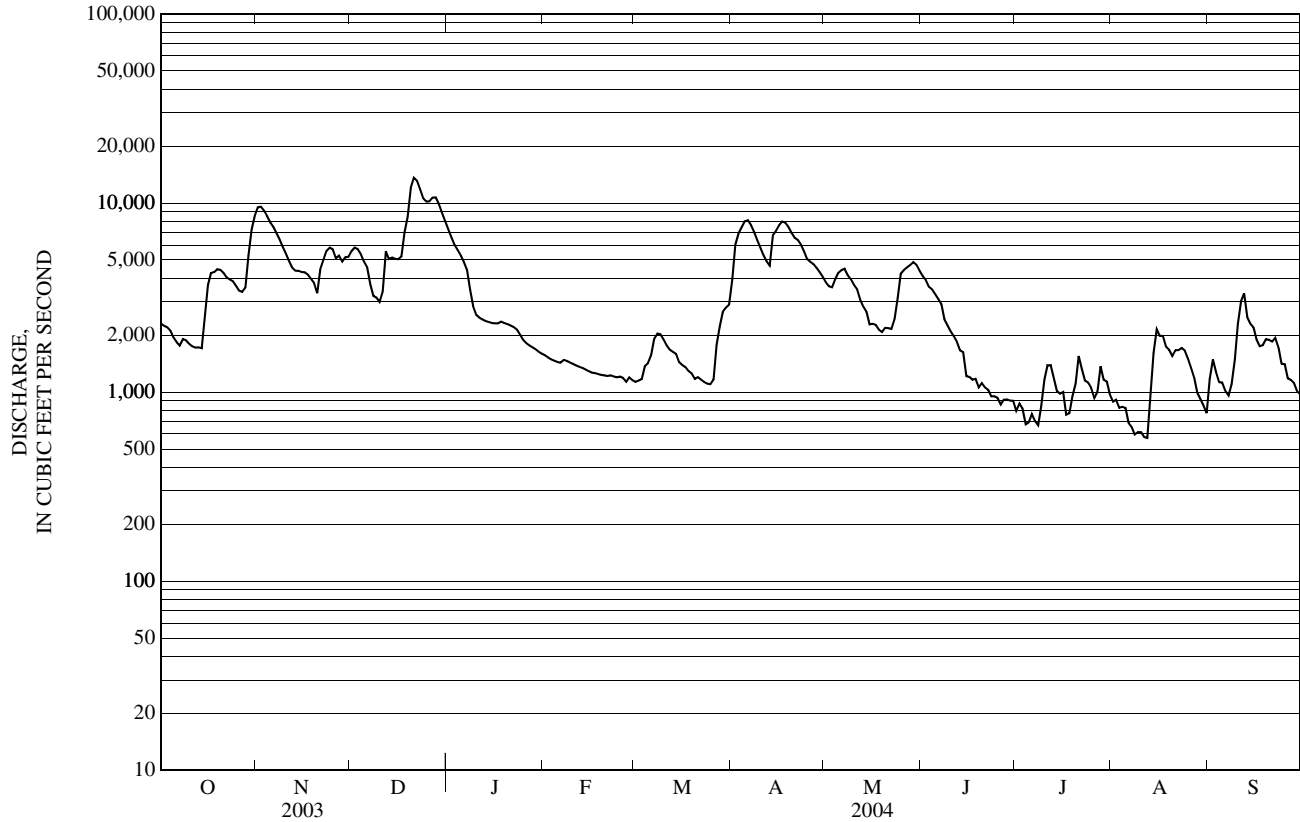
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2004, BY WATER YEAR (WY)

MEAN	1,534	2,434	2,581	1,984	1,908	3,184	7,294	5,433	2,565	1,407	1,063	1,055
MAX	6,887	7,048	8,630	5,791	6,258	16,220	12,740	11,720	9,008	6,802	3,425	5,073
(WY)	(1978)	(1996)	(1974)	(1978)	(1986)	(1936)	(1969)	(1937)	(1998)	(1973)	(1990)	(1954)
MIN	406	608	560	528	615	805	2,751	1,707	860	486	394	342
(WY)	(1948)	(1979)	(1948)	(1948)	(1918)	(1940)	(1995)	(1941)	(1964)	(1991)	(2002)	(1995)

e Estimated

01066000 SACO RIVER AT CORNISH, ME—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1916 - 2004	
ANNUAL TOTAL	1,125,895		1,144,845		2,699	
ANNUAL MEAN	3,085		3,128		4,076	
HIGHEST ANNUAL MEAN					1,372	
LOWEST ANNUAL MEAN					1965	
HIGHEST DAILY MEAN	13,600	Dec 21	13,600	Dec 21	45,600	Mar 21, 1936
LOWEST DAILY MEAN	550	Jul 25	573	Aug 12	244	Oct 7, 1964
ANNUAL SEVEN-DAY MINIMUM	583	Jul 19	617	Aug 6	261	Sep 9, 2002
MAXIMUM PEAK FLOW			13,800	Dec 21	46,600	Mar 21, 1936
MAXIMUM PEAK STAGE			9.89	Dec 21	21.90	Mar 21, 1936
10 PERCENT EXCEEDS	5,990		6,800		6,120	
50 PERCENT EXCEEDS	2,210		2,140		1,680	
90 PERCENT EXCEEDS	774		958		668	



01072100 SALMON FALLS RIVER AT MILTON, NH

LOCATION.--Lat 43°24'48", long 70°59'15", Strafford County, Hydrologic Unit 01060003, on right bank, just downstream from Milton Pond at Milton, 4.2 mi east of Farmington, and 7.4 mi north of Rochester.

DRAINAGE AREA.--108 mi².

PERIOD OF RECORD.--

DISCHARGE: October 1968 to current year.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 405 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Oct. 2000, water-stage recorder at site 200 ft downstream at same datum.

REMARKS.--Records good, including periods of estimated record, Nov. 6, Dec. 1, 12-13, Feb. 16-17, Apr. 13, Aug. 28, 30, Sept. 9, and 18-30. Flow regulated by Great East and Lovell Lakes and Horn, Wilson, and Milton (also controls Northeast and Town House) Ponds, combined usable capacity about 1.28 billion ft³.

EXTREMETS FOR PERIOD OF RECORD.--Maximum discharge, 4,000 ft³/s, Apr. 6, 1984, gage height, 6.70 ft; minimum daily discharge, 14 ft³/s (corrected), Sept. 19-22, 2002 and Oct. 2-3, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,280 ft³/s, Apr. 3, gage height, 4.64 ft; minimum daily discharge, 36 ft³/s, June 22, 24, 25, Aug. 6 and 10.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	184	615	e295	292	82	43	338	241	241	67	61	100
2	221	528	341	293	59	44	953	218	182	44	89	84
3	220	494	336	294	41	49	1,210	179	213	44	95	96
4	219	489	232	294	43	66	997	251	246	42	91	100
5	220	487	170	295	44	93	586	479	249	42	58	87
6	185	e381	170	294	45	117	412	479	238	43	36	79
7	134	303	171	289	47	140	277	295	149	41	38	63
8	133	302	172	217	48	148	237	228	119	42	38	60
9	132	300	171	115	48	108	245	216	124	46	37	e148
10	132	299	172	93	53	91	235	203	148	45	36	206
11	132	297	215	101	55	92	220	194	120	45	43	203
12	132	298	e558	123	48	92	199	156	100	43	57	184
13	156	298	e955	138	48	94	e205	142	92	43	353	182
14	172	296	727	139	48	93	566	140	77	44	402	184
15	227	296	541	137	48	93	906	137	66	44	202	97
16	372	294	453	130	e48	96	729	153	65	44	109	44
17	421	291	435	124	e45	99	522	179	63	44	158	45
18	376	290	463	122	42	66	417	191	63	43	175	e108
19	326	288	611	122	41	47	270	229	62	45	165	e230
20	291	288	626	120	41	47	222	221	59	46	154	e258
21	276	290	549	117	42	47	218	178	43	47	213	238
22	269	290	484	114	43	48	212	156	36	46	374	212
23	268	289	449	111	44	48	209	176	37	45	415	189
24	283	246	436	107	45	48	214	354	36	46	348	132
25	291	216	438	101	45	48	204	697	36	45	267	88
26	289	215	473	96	44	49	227	684	47	43	216	88
27	299	214	499	93	43	53	305	499	51	42	188	87
28	305	213	471	90	43	101	351	425	53	47	e163	87
29	442	215	450	87	43	165	314	420	76	50	140	87
30	685	219	364	85	---	229	275	391	89	53	e116	86
31	723	---	288	84	---	269	---	353	---	53	118	---
TOTAL	8,515	9,541	12,715	4,817	1,366	2,823	12,275	8,864	3,180	1,414	4,955	3,852
MEAN	275	318	410	155	47.1	91.1	409	286	106	45.6	160	128
MAX	723	615	955	295	82	269	1,210	697	249	67	415	258
MIN	132	213	170	84	41	43	199	137	36	41	36	44

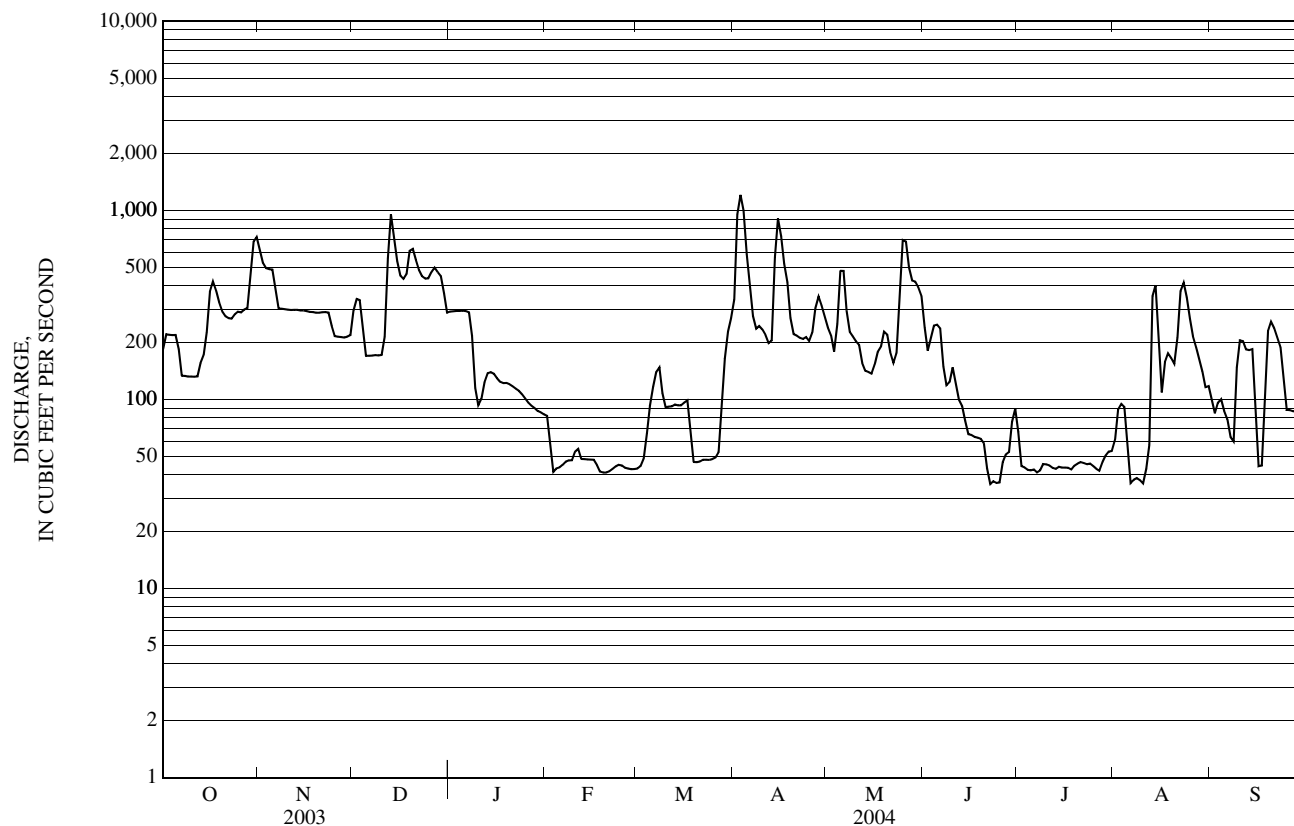
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2004, BY WATER YEAR (WY)

MEAN	178	198	223	171	178	306	430	225	134	64.9	62.7	75.3
MAX	499	487	604	384	439	720	908	431	650	181	165	162
(WY)	(1978)	(1996)	(1984)	(1978)	(1970)	(1979)	(1969)	(1984)	(1998)	(1996)	(1982)	(1999)
MIN	81.1	62.7	27.7	27.1	47.1	91.1	103	55.4	35.5	23.5	19.8	15.0
(WY)	(2003)	(2002)	(2002)	(2002)	(2004)	(2004)	(1985)	(1985)	(1999)	(2003)	(2002)	(2002)

e Estimated

01072100 SALMON FALLS RIVER AT MILTON, NH—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1969 - 2004	
ANNUAL TOTAL	72,392		74,317		187	
ANNUAL MEAN	198		203		307	
HIGHEST ANNUAL MEAN					94.7	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	1,160	Mar 31	1,210	Apr 3	3,220	Mar 15, 1977
LOWEST DAILY MEAN	17	Jul 14	36	Jun 22	14	Sep 19, 2002
ANNUAL SEVEN-DAY MINIMUM	18	Jul 9	41	Aug 6	14	Sep 16, 2002
MAXIMUM PEAK FLOW			1,280	Apr 3	4,000	Apr 6, 1984
MAXIMUM PEAK STAGE			4.64	Apr 3	6.70	Apr 6, 1984
10 PERCENT EXCEEDS	462		439		396	
50 PERCENT EXCEEDS	134		156		131	
90 PERCENT EXCEEDS	30		44		37	





Streamflow gage at Meduxnekeag River
near Houlton, Maine (01018000)
September 2004

ANDROSCOGGIN COUNTY

440213070203201 Local number, ANW 1135

LOCATION.--Lat 44°02'13", long 70°20'32", Hydrologic Unit 01040002, about 0.5 mi northeast of Poland Spring. Owner: U.S. Geological Survey.

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 150 ft, cased to bedrock, open end.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station.

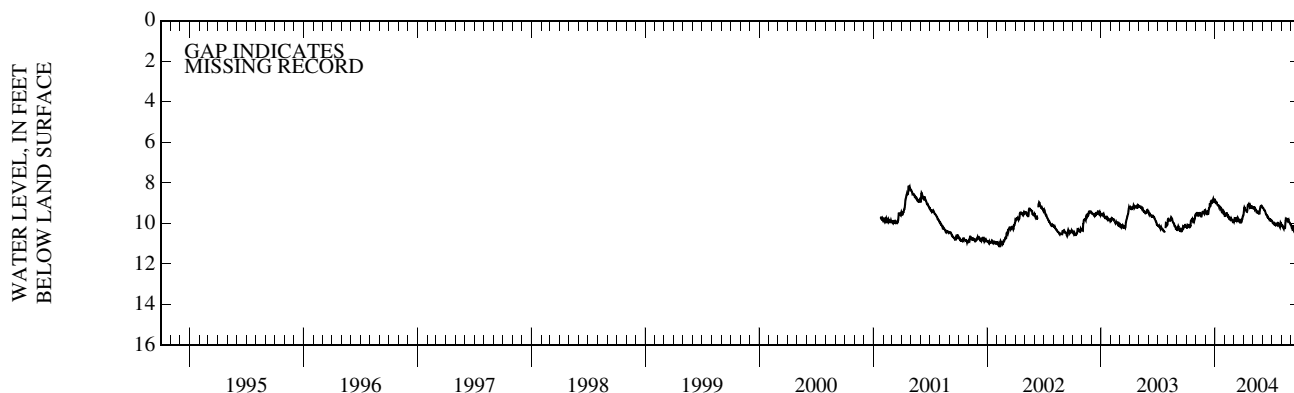
DATUM.--Elevation of land-surface datum is 310 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.70 ft above land-surface datum.

PERIOD OF RECORD.--January 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 8.14 ft below land-surface datum, Apr. 24, 2001; lowest recorded, 11.17 ft below land-surface datum, Feb. 9, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.19	9.52	9.39	8.96	9.63	9.92	9.59	9.25	9.22	9.88	10.06	10.11
2	10.18	9.56	9.48	8.97	9.63	9.85	9.45	9.26	9.22	9.89	10.10	10.17
3	10.25	9.54	9.51	8.92	9.57	9.89	9.28	9.27	9.23	9.94	10.12	10.17
4	10.20	9.56	9.51	8.95	9.51	9.88	9.21	9.20	9.26	9.98	10.11	10.22
5	10.07	9.50	9.52	8.98	9.61	9.82	9.24	9.20	9.30	9.98	10.15	10.29
6	10.08	9.49	9.49	8.98	9.56	9.69	9.30	9.21	9.32	9.98	10.20	10.27
7	10.09	9.50	9.38	9.02	9.46	9.78	9.31	9.23	9.34	10.03	10.24	10.26
8	10.11	9.57	9.48	9.07	9.61	9.77	9.33	9.31	9.37	10.04	10.27	10.30
9	10.16	9.60	9.54	9.10	9.63	9.82	9.35	9.29	9.38	10.01	10.19	10.21
10	10.19	9.58	9.53	9.11	9.60	9.84	9.38	9.33	9.44	10.02	10.19	10.09
11	10.20	9.57	9.40	9.11	9.65	9.78	9.42	9.33	9.49	10.05	10.20	10.14
12	10.17	9.55	9.27	9.10	9.68	9.74	9.43	9.39	9.55	10.08	10.21	10.14
13	10.10	9.45	9.25	9.12	9.65	9.85	9.36	9.45	9.58	10.10	9.97	10.19
14	10.11	9.53	9.21	9.19	9.69	9.86	9.15	9.44	9.58	10.07	9.83	10.25
15	9.90	9.61	9.01	9.16	9.78	9.80	9.09	9.44	9.60	10.02	9.84	10.24
16	9.84	9.65	9.18	9.17	9.80	9.84	9.07	9.47	9.67	10.03	9.83	10.25
17	9.82	9.66	9.13	9.25	9.80	9.82	9.05	9.49	9.68	10.05	9.77	10.26
18	9.80	9.66	8.92	9.22	9.72	9.85	9.10	9.44	9.71	10.07	9.78	10.20
19	9.82	9.59	8.89	9.23	9.70	9.89	9.03	9.48	9.69	10.0	9.82	10.09
20	9.86	9.51	8.91	9.30	9.78	9.85	9.12	9.52	9.73	9.97	9.87	10.08
21	9.78	9.46	8.93	9.36	9.75	9.79	9.17	9.51	9.76	9.98	9.85	10.10
22	9.82	9.47	8.94	9.30	9.79	9.90	9.13	9.51	9.78	10.01	9.81	10.12
23	9.81	9.47	8.98	9.34	9.83	9.92	9.20	9.37	9.78	10.05	9.80	10.20
24	9.91	9.43	8.96	9.38	9.82	9.96	9.19	9.27	9.84	10.11	9.88	10.23
25	9.93	9.46	8.84	9.46	9.85	9.95	9.25	9.19	9.85	10.13	9.93	10.22
26	9.87	9.51	8.80	9.49	9.89	9.91	9.17	9.15	9.80	10.15	9.95	10.27
27	9.80	9.53	8.87	9.43	9.87	9.81	9.12	9.15	9.81	10.18	9.96	10.30
28	9.77	9.46	8.88	9.39	9.88	9.78	9.20	9.13	9.86	10.04	9.99	10.29
29	9.62	9.31	8.84	9.44	9.89	9.71	9.24	9.12	9.85	9.96	10.04	10.32
30	9.58	9.41	8.83	9.47	---	9.65	9.23	9.15	9.85	10.0	10.07	10.34
31	9.55	---	8.92	9.55	---	9.63	---	9.20	---	10.02	10.06	---
MAX	10.25	9.66	9.54	9.55	9.89	9.96	9.59	9.52	9.86	10.18	10.27	10.34
MIN	9.55	9.31	8.80	8.92	9.46	9.63	9.03	9.12	9.22	9.88	9.77	10.08



AROOSTOOK COUNTY

471457068353001 Local number, ARW 890

LOCATION.--Lat 47°14'57", long 68°35'30", Hydrologic Unit 01010003, 0.25 mi southeast of the intersection of State Route 11 and 161 and U.S. Route 1, Fort Kent. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (ice-contact deposits) of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., Nov. 1976 constructed depth 50 ft, open end, Nov. 1982 measured depth 48 ft.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station. Prior to Oct. 1990, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 530 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing which is 2.05 ft below land-surface datum, and 1.0 ft above the general land surface. Prior to Sept. 23, 2003, floor of recorder shelter at land-surface datum, which was 3.0 ft above the general land surface.

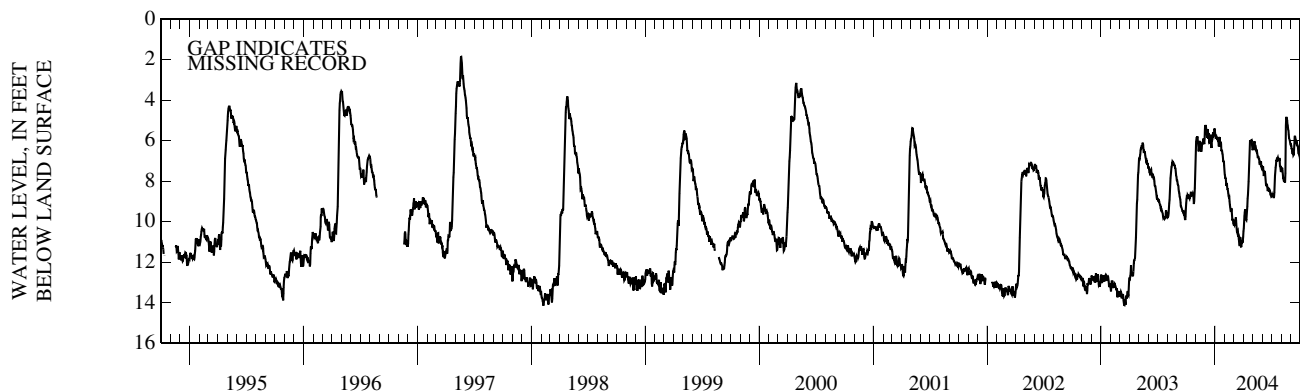
PERIOD OF RECORD.--November 1976 to current year.

REVISED RECORDS.--WDR ME-84-1: 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.52 ft below land-surface datum, May 2, 1984; lowest recorded, 15.28 ft below land-surface datum, Jan. 22 and 23, 1979.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.89	6.05	5.22	5.64	7.67	10.10	10.47	6.42	7.37	8.72	7.37	6.27
2	8.77	5.94	5.29	5.77	7.76	10.13	10.33	6.36	7.34	8.65	7.40	6.42
3	8.77	5.83	5.36	5.75	7.87	9.90	10.02	6.30	7.34	8.69	7.33	6.38
4	8.84	5.86	5.46	5.71	7.83	9.95	9.72	6.13	7.51	8.69	7.47	6.55
5	8.68	5.79	5.73	5.89	8.02	10.20	9.54	6.09	7.74	8.60	7.65	6.66
6	8.71	5.93	5.86	5.81	8.23	10.12	9.40	6.03	7.65	8.67	7.83	6.57
7	8.76	6.09	5.55	5.91	8.09	9.79	9.44	6.10	7.52	8.83	7.90	6.59
8	8.73	6.25	5.43	5.90	8.20	9.95	9.71	6.41	7.53	8.78	7.87	6.71
9	8.80	6.53	5.75	5.95	8.37	10.10	9.89	6.40	7.61	8.55	7.88	6.69
10	8.82	6.37	5.90	5.97	8.38	10.27	9.91	6.43	7.83	8.11	8.01	6.44
11	8.86	6.31	5.77	5.95	8.47	10.47	9.72	6.39	8.02	7.72	8.03	6.20
12	8.77	6.30	5.62	6.10	8.61	10.53	9.46	6.49	8.20	7.54	8.07	5.81
13	8.69	6.06	6.12	6.28	8.70	10.49	9.25	6.54	8.21	7.33	7.61	5.76
14	8.76	6.02	6.11	6.12	8.78	10.46	8.86	6.52	8.19	7.20	6.16	5.86
15	8.56	6.18	5.84	5.86	8.76	10.67	8.67	6.64	8.18	7.00	5.27	5.92
16	8.56	6.43	5.84	5.82	8.99	10.67	8.37	6.75	8.28	6.95	4.88	5.96
17	8.68	6.49	5.97	6.19	9.16	10.88	8.02	6.86	8.36	7.00	4.83	6.04
18	8.71	6.55	5.71	6.28	9.29	10.98	7.70	6.77	8.50	7.04	4.91	6.15
19	8.68	6.40	6.17	6.05	9.34	11.12	7.21	6.81	8.37	6.89	5.00	6.12
20	8.67	6.17	6.36	6.16	9.46	11.20	6.86	6.90	8.35	6.85	5.20	6.18
21	8.62	6.13	6.05	6.52	9.51	10.79	6.35	6.91	8.36	6.92	5.27	6.26
22	8.68	6.14	5.92	6.48	9.33	10.80	5.97	7.09	8.43	6.93	5.43	6.29
23	8.68	6.12	5.93	6.50	9.40	11.07	6.10	7.07	8.43	6.92	5.48	6.49
24	8.82	5.94	5.84	6.62	9.64	11.23	6.00	7.13	8.49	7.00	5.70	6.60
25	9.13	5.89	5.69	6.69	9.87	11.22	6.07	7.11	8.52	6.90	5.87	6.62
26	8.98	6.09	5.58	6.86	9.95	11.00	5.98	7.06	8.65	6.90	5.92	6.67
27	8.63	6.17	5.67	7.05	9.86	10.91	5.98	7.06	8.66	7.25	5.96	6.72
28	8.34	5.91	5.72	7.00	10.07	11.02	6.18	7.26	8.69	7.27	6.07	6.75
29	7.76	5.44	5.68	7.06	10.11	11.01	6.34	7.32	8.76	7.41	6.17	6.89
30	7.06	5.47	5.40	7.22	---	10.93	6.48	7.26	8.74	7.54	6.21	6.98
31	6.48	---	5.51	7.42	---	10.74	---	7.28	---	7.48	6.21	---
MAX	9.13	6.55	6.36	7.42	10.11	11.23	10.47	7.32	8.76	8.83	8.07	6.98
MIN	6.48	5.44	5.22	5.64	7.67	9.79	5.97	6.03	7.34	6.85	4.83	5.76
WTR YR	2004	HIGH 4.83		LOW 11.23								



AROOSTOOK COUNTY—Continued

464259067572901 Local number, ARW 906

LOCATION.--Lat 46°42'59", long 67°57'29", Hydrologic Unit 01010004, approximately 3.5 mi northeast of the City of Presque Isle. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., Oct. 1986 measured depth 40 ft, screened depth 35 to 40 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station. Prior to Oct. 1989, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 431 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 0.88 ft above land-surface datum. Prior to Aug. 31, 1999, Measuring point: Top of casing 2.88 ft above land-surface datum.

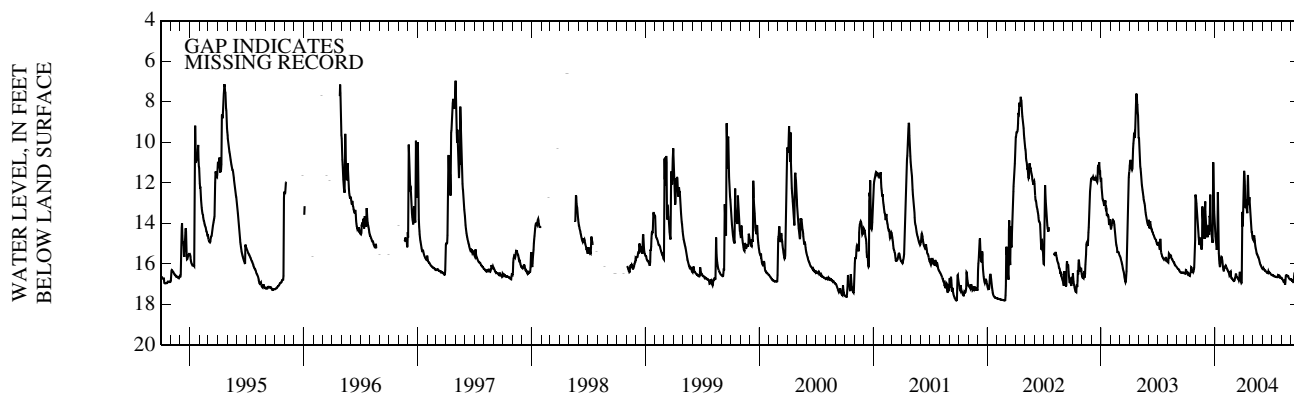
REMARKS.--Water levels affected by the nearby Aroostook River.

PERIOD OF RECORD.--November 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.62 ft below land-surface datum, Apr. 24, 1998; lowest recorded, 19.38 ft below land-surface datum, Oct. 1-3, 1988.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.39	12.84	13.42	14.36	16.20	16.85	12.70	14.76	16.24	16.55	16.69	16.76
2	16.45	13.01	13.75	14.65	16.14	16.84	12.00	14.80	16.26	16.55	16.72	16.79
3	16.46	13.26	14.07	14.84	16.10	16.81	11.40	14.83	16.25	16.54	16.75	16.82
4	16.48	13.55	14.32	14.96	16.07	16.75	11.57	14.67	16.21	16.56	16.76	16.83
5	16.42	13.80	14.50	15.13	16.10	16.70	11.92	14.59	16.26	16.57	16.78	16.84
6	16.42	14.00	14.59	15.31	16.16	16.63	12.57	14.75	16.28	16.58	16.83	16.86
7	16.48	14.19	14.56	15.15	16.18	16.52	13.05	14.85	16.30	16.59	16.87	16.87
8	16.51	14.42	14.59	14.58	16.22	16.51	13.24	14.98	16.31	16.61	16.87	16.90
9	16.53	14.66	14.68	12.96	16.28	16.55	13.04	15.11	16.31	16.61	16.84	16.88
10	16.57	14.85	14.14	12.46	16.31	16.61	13.01	15.21	16.32	16.61	16.82	16.62
11	16.59	14.97	14.15	13.53	16.33	16.65	13.22	15.29	16.35	16.62	16.94	16.47
12	16.60	15.06	14.34	14.85	16.37	16.67	13.40	15.37	16.38	16.63	17.02	16.44
13	16.48	15.01	14.55	15.46	16.41	16.68	13.49	15.46	16.40	16.64	16.90	16.43
14	16.43	14.70	13.62	15.78	16.44	16.71	12.15	15.52	16.41	16.64	16.66	16.45
15	16.41	14.85	13.70	15.97	16.50	16.74	11.61	15.52	16.42	16.64	16.57	16.46
16	16.16	15.01	12.58	16.11	16.59	16.76	12.27	15.56	16.43	16.64	16.56	16.46
17	16.17	15.14	13.87	16.11	16.58	16.81	12.86	15.62	16.44	16.65	16.55	16.45
18	16.22	15.24	14.38	15.94	16.48	16.75	13.10	15.67	16.45	16.66	16.56	16.47
19	16.26	15.29	14.13	15.79	16.38	16.55	12.86	15.67	16.43	16.65	16.57	16.51
20	16.31	15.07	14.36	15.70	16.36	16.39	12.70	15.73	16.36	16.58	16.58	16.55
21	16.35	13.17	14.55	15.65	16.61	16.43	13.04	15.79	16.41	16.61	16.60	16.59
22	16.40	13.43	14.71	15.66	16.69	16.72	13.28	15.86	16.44	16.63	16.60	16.61
23	16.41	13.76	14.86	15.74	16.71	16.84	13.49	15.93	16.42	16.64	16.64	16.62
24	16.37	13.98	14.96	15.85	16.71	16.88	13.73	15.99	16.43	16.57	16.67	16.63
25	16.26	14.16	14.17	15.99	16.73	16.94	14.02	16.03	16.45	16.57	16.71	16.63
26	16.18	14.38	10.99	16.15	16.76	16.92	14.24	16.06	16.47	16.63	16.74	16.63
27	15.85	14.61	11.92	16.26	16.79	15.47	14.44	16.09	16.49	16.66	16.75	16.65
28	15.36	14.76	12.91	16.33	16.81	13.44	14.45	16.12	16.51	16.68	16.75	16.65
29	14.83	13.38	13.42	16.33	16.83	14.10	14.62	16.14	16.54	16.69	16.77	16.66
30	12.58	12.92	13.74	16.24	---	14.10	14.73	16.18	16.54	16.70	16.77	16.67
31	12.69	---	14.04	16.21	---	13.47	---	16.22	---	16.70	16.75	---
MAX	16.60	15.29	14.96	16.33	16.83	16.94	14.73	16.22	16.54	16.70	17.02	16.90
MIN	12.58	12.84	10.99	12.46	16.07	13.44	11.40	14.59	16.21	16.54	16.55	16.43



CUMBERLAND COUNTY

435453070013601 Local number, CW 26

LOCATION.--Lat 43°54'53", long 70°01'36", Hydrologic Unit 01060001, 0.3 mi northwest of the intersection of Durham Road and U.S. Route 1 in Brunswick.
Owner: Brunswick and Topsham Water District.

AQUIFER.--Stratified sand and gravel deposits of Pleistocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 12 in., reported depth 101 ft in 1953, screened 81 to 101 ft, Nov. 1982 measured depth 96 ft.

INSTRUMENTATION.--Electronic water level recorder. Satellite telemeter at station. Mar. 1990 to Dec. 2000, monthly measurements were published. Oct. 1989 to Mar. 1990 daily mean data were published. Prior to Oct. 1989, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 139 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing which is at land-surface datum. Prior to July 17, 2003, electric tape gage index, 2.93 ft above land-surface datum.

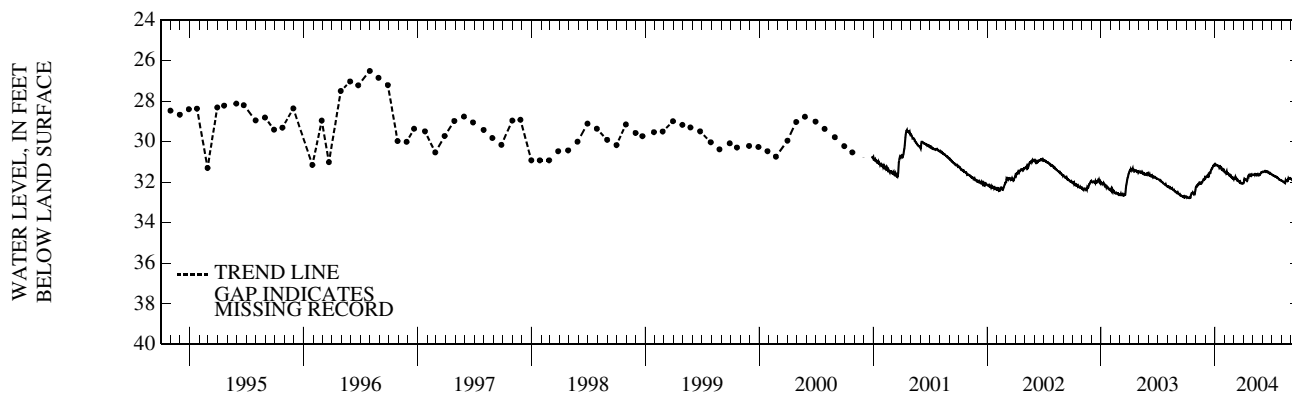
PERIOD OF RECORD.--April 1958 to current year.

REVISED RECORDS.--WDR ME-82-1: 1978, 1981, WDR ME-83-1: 1977, WDR ME-84-1: 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.95 ft below land-surface datum, June 9, 1984; lowest measured, 36.41 ft below land-surface datum, Feb. 10, 1966.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32.73	32.23	31.75	31.17	31.51	31.85	32.06	31.64	31.49	31.63	31.92	31.85
2	32.72	32.22	31.77	31.16	31.52	31.80	32.02	31.63	31.49	31.63	31.93	31.86
3	32.75	32.19	31.76	31.13	31.51	31.82	31.88	31.63	31.49	31.64	31.93	31.85
4	32.74	32.20	31.74	31.15	31.50	31.81	31.82	31.63	31.50	31.66	31.95	31.87
5	32.74	32.15	31.73	31.15	31.55	31.79	31.84	31.63	31.49	31.65	31.96	31.89
6	32.75	32.14	31.68	31.15	31.51	31.74	31.85	31.62	31.47	31.66	31.97	31.88
7	32.75	32.12	31.67	31.16	31.47	31.79	31.84	31.61	31.47	31.68	31.98	31.88
8	32.76	32.13	31.73	31.19	31.56	31.79	31.85	31.64	31.46	31.69	32.00	31.90
9	32.78	32.11	31.74	31.20	31.55	31.85	31.87	31.61	31.44	31.70	32.01	31.88
10	32.79	32.08	31.73	31.21	31.55	31.87	31.90	31.62	31.46	31.71	32.02	31.86
11	32.78	32.05	31.65	31.20	31.58	31.84	31.93	31.61	31.47	31.73	32.03	31.89
12	32.75	32.03	31.68	31.19	31.60	31.84	31.94	31.63	31.49	31.73	32.05	31.87
13	32.74	31.97	31.64	31.20	31.58	31.92	31.91	31.65	31.49	31.73	31.98	31.89
14	32.74	32.04	31.57	31.25	31.61	31.92	31.82	31.63	31.47	31.72	31.89	31.92
15	32.65	32.08	31.49	31.22	31.66	31.92	31.75	31.62	31.47	31.73	31.91	31.91
16	32.61	32.09	31.59	31.23	31.69	31.95	31.72	31.66	31.50	31.75	31.91	31.90
17	32.57	32.08	31.50	31.27	31.69	31.95	31.68	31.66	31.49	31.77	31.92	31.90
18	32.54	32.08	31.45	31.24	31.65	31.98	31.70	31.62	31.50	31.79	31.93	31.92
19	32.54	32.02	31.41	31.26	31.65	32.00	31.63	31.64	31.49	31.78	31.94	31.91
20	32.54	32.00	31.38	31.31	31.70	31.98	31.68	31.65	31.52	31.80	31.96	31.91
21	32.50	32.00	31.34	31.34	31.69	31.96	31.68	31.64	31.52	31.82	31.95	31.90
22	32.52	31.96	31.32	31.31	31.74	32.03	31.64	31.65	31.52	31.83	31.87	31.89
23	32.53	31.92	31.31	31.34	31.76	32.03	31.66	31.64	31.54	31.84	31.81	31.92
24	32.59	31.88	31.29	31.37	31.75	32.06	31.65	31.62	31.57	31.87	31.83	31.92
25	32.61	31.88	31.24	31.41	31.78	32.06	31.67	31.59	31.57	31.87	31.84	31.90
26	32.58	31.89	31.20	31.43	31.80	32.06	31.63	31.55	31.56	31.87	31.83	31.93
27	32.54	31.88	31.20	31.38	31.80	32.05	31.61	31.54	31.58	31.88	31.81	31.93
28	32.55	31.82	31.16	31.37	31.82	32.06	31.66	31.52	31.60	31.89	31.81	31.92
29	32.46	31.79	31.13	31.40	31.83	32.05	31.66	31.53	31.61	31.90	31.83	31.94
30	32.37	31.80	31.11	31.42	---	32.04	31.64	31.51	31.62	31.91	31.84	31.95
31	32.28	---	31.15	31.47	---	32.04	---	31.50	---	31.91	31.83	---
MAX	32.79	32.23	31.77	31.47	31.83	32.06	32.06	31.66	31.62	31.91	32.05	31.95
MIN	32.28	31.79	31.11	31.13	31.47	31.74	31.61	31.50	31.44	31.63	31.81	31.85



CUMBERLAND COUNTY—Continued

435039070261101 Local number, CW 1983

LOCATION.--Lat 43°50'32", long 70°26'12", Hydrologic Unit 01060001, about .5 mi northeast of North Windham. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored water-table observation well, diameter 2 in., depth 37 ft, screened depth 32 ft to 37 ft, screen slot size 0.008 in.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station.

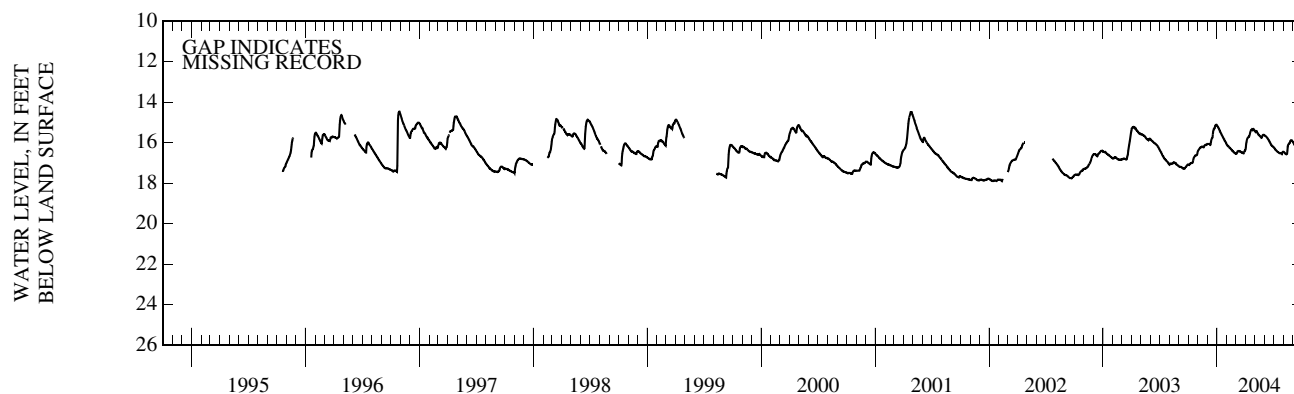
DATUM.--Elevation of land-surface datum is 307.80 ft above National Geodetic Vertical Datum of 1929. Measuring Point: Top of casing, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1995 to current year. Records prior to October 1999 have not been published but are available in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.47 ft below land-surface datum, Oct. 27-28, 1996; lowest measured, 17.89 ft below land-surface datum, Jan. 12-13, 22-24, and Feb. 10, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.08	16.40	16.06	15.17	16.09	16.55	16.36	15.43	15.64	16.24	16.45	15.99
2	17.08	16.37	16.06	15.19	16.12	16.55	16.26	15.45	15.65	16.26	16.46	16.02
3	17.09	16.34	16.06	15.21	16.14	16.55	16.08	15.47	15.66	16.28	16.48	16.05
4	17.10	16.32	16.06	15.24	16.15	16.52	15.98	15.45	15.67	16.30	16.50	16.07
5	17.07	16.30	16.06	15.26	16.17	16.50	15.91	15.42	15.68	16.33	16.51	16.10
6	17.04	16.27	16.06	15.29	16.18	16.45	15.85	15.42	15.70	16.34	16.53	16.12
7	17.02	16.25	16.06	15.32	16.19	16.43	15.80	15.44	15.71	16.36	16.55	16.14
8	17.01	16.24	16.08	15.36	16.22	16.41	15.77	15.48	15.73	16.38	16.56	16.17
9	17.01	16.23	16.10	15.39	16.23	16.41	15.74	15.51	15.75	16.39	16.56	16.17
10	17.01	16.22	16.11	15.43	16.25	16.42	15.72	15.54	15.77	16.40	16.57	16.14
11	17.01	16.22	16.08	15.46	16.26	16.41	15.71	15.55	15.79	16.42	16.57	16.15
12	17.01	16.22	15.97	15.48	16.28	16.41	15.70	15.58	15.82	16.44	16.55	16.15
13	17.00	16.20	15.90	15.51	16.29	16.42	15.69	15.61	15.85	16.46	16.40	16.17
14	16.99	16.20	15.85	15.55	16.31	16.44	15.63	15.62	15.87	16.46	16.23	16.20
15	16.96	16.20	15.80	15.58	16.33	16.43	15.56	15.65	15.89	16.47	16.16	16.21
16	16.86	16.22	15.77	15.61	16.36	16.45	15.50	15.66	15.92	16.48	16.12	16.22
17	16.80	16.22	15.74	15.65	16.37	16.45	15.46	15.67	15.95	16.50	16.08	16.24
18	16.76	16.23	15.59	15.67	16.39	16.46	15.42	15.68	15.98	16.51	16.05	16.24
19	16.72	16.23	15.47	15.70	16.40	16.48	15.38	15.70	16.00	16.52	16.03	16.19
20	16.70	16.20	15.40	15.74	16.42	16.49	15.36	15.72	16.02	16.52	16.03	16.18
21	16.67	16.15	15.36	15.77	16.43	16.48	15.35	15.74	16.06	16.51	16.02	16.17
22	16.65	16.13	15.32	15.80	16.45	16.49	15.33	15.76	16.09	16.51	15.95	16.18
23	16.64	16.13	15.31	15.83	16.47	16.51	15.33	15.75	16.11	16.51	15.91	16.20
24	16.64	16.12	15.30	15.86	16.48	16.52	15.33	15.73	16.14	16.53	15.89	16.23
25	16.64	16.11	15.23	15.89	16.49	16.53	15.37	15.66	16.16	16.53	15.88	16.24
26	16.63	16.12	15.15	15.93	16.51	16.52	15.36	15.63	16.17	16.54	15.88	16.26
27	16.63	16.12	15.14	15.95	16.52	16.48	15.34	15.62	16.18	16.56	15.88	16.28
28	16.61	16.11	15.13	15.97	16.53	16.44	15.35	15.62	16.19	16.52	15.90	16.29
29	16.58	16.09	15.12	15.99	16.54	16.42	15.38	15.61	16.21	16.47	15.92	16.30
30	16.50	16.08	15.12	16.02	---	16.40	15.40	15.61	16.22	16.45	15.95	16.32
31	16.45	---	15.14	16.05	---	16.38	---	15.62	---	16.45	15.97	---
MAX	17.10	16.40	16.11	16.05	16.54	16.55	16.36	15.76	16.22	16.56	16.57	16.32
MIN	16.45	16.08	15.12	15.17	16.09	16.38	15.33	15.42	15.64	16.24	15.88	15.99



FRANKLIN COUNTY

444302070252401, FW916

LOCATION.--Lat 44°43'02", long 70°25'24", Hydrologic Unit 01030002, about 1.3 mi north of Weld. Owner: U.S. Geological Survey.

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 150 ft, cased to bedrock, open end.

INSTRUMENTATION.--Electronic water level recorder. Satellite telemeter at station.

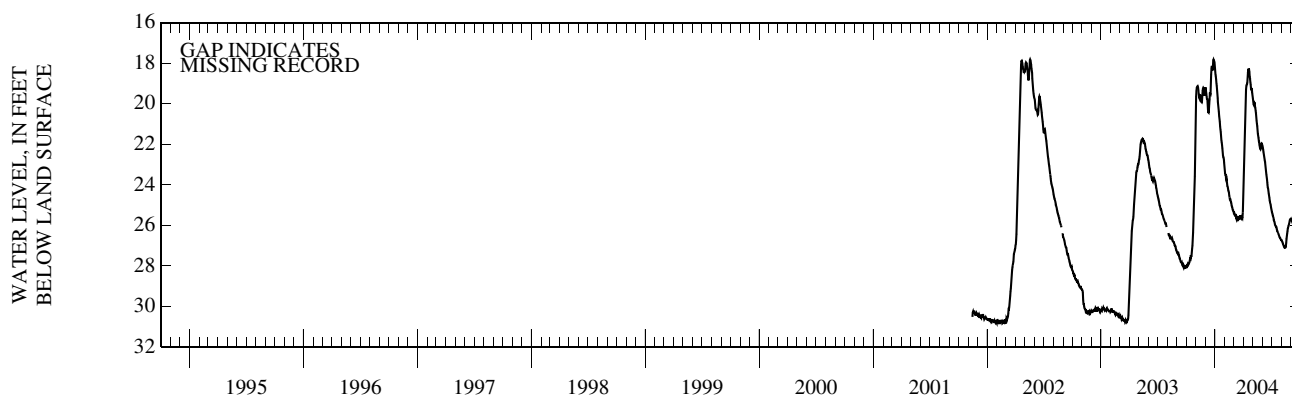
DATUM.--Elevation of land-surface datum is 1142 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum, which is at the general land surface.

PERIOD OF RECORD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 17.77 ft below land-surface datum, Dec. 26-27, 2003; lowest recorded, 30.87 ft below land-surface datum, Feb. 9, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.06	19.65	19.19	18.35	23.27	25.39	24.63	19.75	22.09	25.34	26.72	25.72
2	28.02	19.37	19.25	18.54	23.43	25.38	24.04	19.88	22.17	25.38	26.77	25.77
3	28.02	19.21	19.39	18.64	23.50	25.44	23.12	20.02	22.26	25.47	26.79	25.76
4	27.96	19.18	19.51	18.79	23.51	25.50	22.04	20.05	22.38	25.54	26.83	25.80
5	27.92	19.13	19.66	18.99	23.69	25.52	21.08	19.99	22.48	25.57	26.88	25.87
6	27.98	19.12	19.79	19.12	23.75	25.43	20.35	19.95	22.58	25.63	26.93	25.88
7	27.96	19.18	19.74	19.31	23.72	25.55	19.88	19.97	22.68	25.72	26.96	25.88
8	27.91	19.32	20.00	19.51	23.91	25.59	19.55	20.13	22.79	25.76	27.01	25.94
9	27.89	19.51	20.27	19.72	24.04	25.65	19.30	20.21	22.89	25.80	27.06	25.90
10	27.85	19.61	20.43	19.91	24.08	25.69	19.12	20.35	23.03	25.88	27.10	25.91
11	27.79	19.69	20.44	20.08	24.16	25.64	19.05	20.46	23.17	25.95	27.11	26.02
12	27.70	19.73	20.29	20.22	24.27	25.56	19.03	20.64	23.34	26.00	27.10	26.05
13	27.65	19.64	20.01	20.38	24.31	25.64	18.96	20.84	23.49	26.03	27.05	26.10
14	27.66	19.55	19.79	20.60	24.38	25.69	18.69	20.99	23.61	26.06	27.05	26.17
15	27.47	19.60	19.44	20.75	24.52	25.63	18.45	21.11	23.73	26.07	27.02	26.17
16	27.54	19.71	19.52	20.88	24.63	25.67	18.33	21.29	23.89	26.13	26.86	26.18
17	27.51	19.81	19.54	21.12	24.70	25.63	18.26	21.49	24.01	26.21	26.67	26.21
18	27.34	19.91	19.06	21.27	24.70	25.63	18.33	21.58	24.12	26.28	26.54	26.23
19	27.15	19.93	18.54	21.39	24.71	25.65	18.33	21.69	24.19	26.29	26.41	26.28
20	27.00	19.83	18.26	21.60	24.81	25.60	18.43	21.83	24.31	26.34	26.29	26.35
21	26.67	19.58	18.18	21.81	24.84	25.50	18.66	21.90	24.43	26.38	26.16	26.38
22	26.36	19.35	18.17	21.90	24.90	25.58	18.76	22.03	24.53	26.43	26.11	26.41
23	25.74	19.25	18.26	22.03	25.01	25.63	18.93	22.12	24.64	26.46	26.03	26.47
24	25.19	19.20	18.35	22.19	25.06	25.67	19.05	22.21	24.77	26.51	26.00	26.51
25	24.78	19.23	18.17	22.38	25.12	25.69	19.24	22.24	24.85	26.57	25.94	26.51
26	24.36	19.38	17.86	22.56	25.21	25.66	19.29	22.17	24.91	26.59	25.85	26.56
27	23.99	19.54	17.82	22.63	25.24	25.60	19.22	22.05	25.00	26.61	25.76	26.62
28	23.58	19.60	17.87	22.67	25.28	25.63	19.33	21.96	25.10	26.62	25.71	26.64
29	22.58	19.39	17.90	22.78	25.32	25.56	19.51	21.94	25.18	26.66	25.71	26.69
30	21.29	19.30	17.96	22.90	---	25.35	19.62	21.97	25.26	26.70	25.70	26.73
31	20.28	---	18.17	23.07	---	25.04	---	22.02	---	26.72	25.67	---
MAX	28.06	19.93	20.44	23.07	25.32	25.69	24.63	22.24	25.26	26.72	27.11	26.73
MIN	20.28	19.12	17.82	18.35	23.27	25.04	18.26	19.75	22.09	25.34	25.67	25.72



HANCOCK COUNTY

444950068220602 Local number, HW 1A

LOCATION.--Lat 44°49'55", long 68°21'59", Hydrologic Unit 01050002, on State Route 9, 0.25 mi west of the intersection with State Route 181 in Amherst.
Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 47 ft, screened depth 37 ft to 47 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station.

DATUM.--Elevation of land-surface datum is 344 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.20 ft above land-surface datum. Prior to June 29, 2004 top of casing 3.49 ft above land-surface datum.

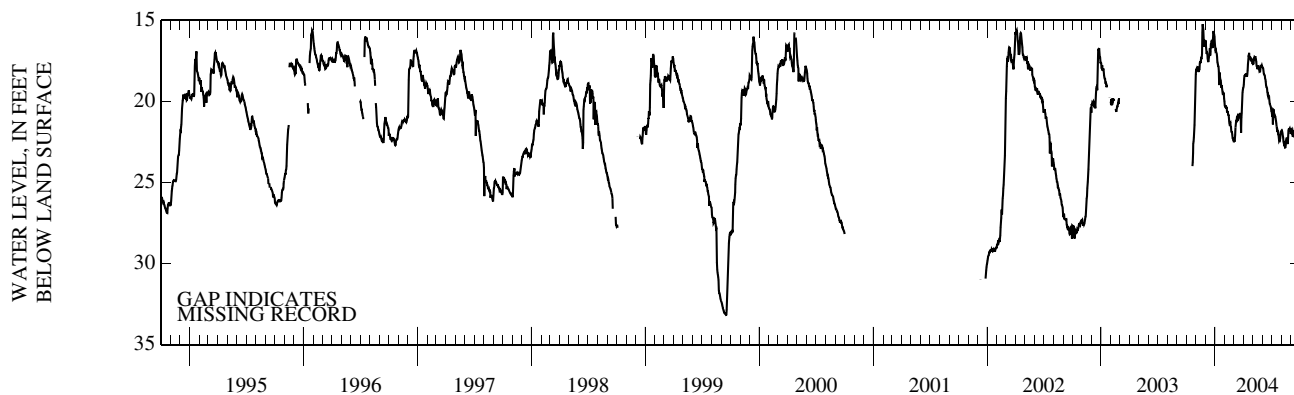
REMARKS.--Missing record, Oct. 1-19. Water level affected by pumping.

PERIOD OF RECORD.--November 1989 to Sept. 2000, December 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.23 ft below land-surface datum, Nov. 22, 2003; lowest recorded, 33.16 ft below land-surface datum, Sept. 16, 1999.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	18.03	16.27	16.64	20.25	22.52	19.13	17.70	17.87	20.76	21.91	21.78
2	---	18.09	16.28	16.86	20.32	22.42	18.97	17.69	17.92	20.95	21.92	21.84
3	---	17.94	16.64	16.83	20.30	22.49	18.61	17.67	17.96	20.69	21.89	21.79
4	---	18.00	16.85	16.95	20.23	22.34	18.41	17.42	18.12	21.42	21.99	21.94
5	---	17.89	17.07	16.98	20.45	22.06	18.39	17.32	18.27	20.49	22.12	22.06
6	---	17.90	16.97	17.05	20.39	21.61	18.39	17.25	18.32	20.51	22.24	22.04
7	---	17.91	17.00	17.26	20.33	21.42	18.37	17.26	18.34	20.58	22.47	21.99
8	---	18.12	17.36	17.57	20.63	21.22	18.33	17.32	18.39	20.72	22.56	22.14
9	---	18.19	17.47	17.62	20.65	21.20	18.33	17.21	18.56	20.75	22.63	22.15
10	---	18.06	17.57	17.72	20.60	21.21	18.42	17.43	18.62	20.81	22.60	21.87
11	---	18.05	17.45	17.82	20.71	20.98	18.42	17.42	18.78	20.92	22.69	21.86
12	---	18.03	17.27	17.85	20.86	20.95	18.47	17.57	19.00	20.94	22.85	21.75
13	---	17.64	17.12	18.12	20.80	21.20	18.33	17.81	19.10	21.08	22.83	21.78
14	---	17.54	17.07	19.00	21.00	21.11	18.09	17.84	19.13	21.18	22.70	21.87
15	---	17.64	16.72	18.21	21.26	20.97	17.70	17.89	19.17	21.34	22.44	21.89
16	---	17.52	17.17	18.32	21.39	20.99	17.46	18.01	19.40	21.53	22.39	21.91
17	---	17.36	16.91	18.56	21.38	20.83	17.25	17.91	19.45	21.67	22.28	21.93
18	---	17.37	16.47	18.62	21.30	20.85	17.26	17.78	19.59	21.86	22.28	22.03
19	---	17.33	16.46	18.68	21.29	20.91	17.00	17.90	19.67	21.80	22.38	21.89
20	23.98	17.03	16.32	18.92	21.54	20.80	17.21	17.97	19.62	21.89	22.55	21.85
21	23.74	15.73	16.33	19.15	21.57	20.71	17.31	18.00	19.67	22.02	22.63	21.81
22	23.19	15.23	16.29	19.02	21.86	20.94	17.21	18.14	19.76	22.05	22.15	21.81
23	22.60	15.40	16.60	19.17	21.87	21.11	17.38	18.13	19.95	22.26	21.79	22.00
24	22.49	15.59	16.72	19.34	21.90	21.93	17.36	18.14	20.14	22.45	21.73	22.08
25	22.22	16.01	16.16	19.51	22.05	21.02	17.53	17.97	20.18	22.41	21.72	22.08
26	21.82	16.56	15.78	19.59	22.25	20.71	17.41	17.82	20.23	22.31	21.71	22.19
27	21.45	16.39	15.66	19.46	22.30	20.24	17.36	17.83	20.29	22.35	21.67	22.28
28	20.76	16.63	15.78	19.49	22.36	19.78	17.52	17.82	20.41	22.25	21.76	22.27
29	19.79	16.27	15.88	19.66	22.38	19.46	17.62	17.83	20.57	21.93	21.89	22.40
30	18.89	16.60	16.02	19.83	---	19.30	17.63	17.77	20.62	21.85	22.01	22.50
31	18.33	---	16.40	20.00	---	19.18	---	17.84	---	21.82	21.91	---
MAX	---	18.19	17.57	20.00	22.38	22.52	19.13	18.14	20.62	22.45	22.85	22.50
MIN	---	15.23	15.66	16.64	20.23	19.18	17.00	17.21	17.87	20.49	21.67	21.75



HANCOCK COUNTY—Continued

442238068154101 Local number, HW 171

LOCATION.--Lat 44°22'38", long 68°15'41", Hydrologic Unit 01050002, on McFarland Hill, approximately 400 ft uphill of the Natinal Park Service Headquarters, on State Route 233, in Bar Harbor. Owner: National Park Service.

AQUIFER.--Bedrock of Devonian age (Cadillac Mountain Granite).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., steel casing, depth 98 ft, cased to 48 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station.

DATUM.--Elevation of land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum, which is at the general land surface.

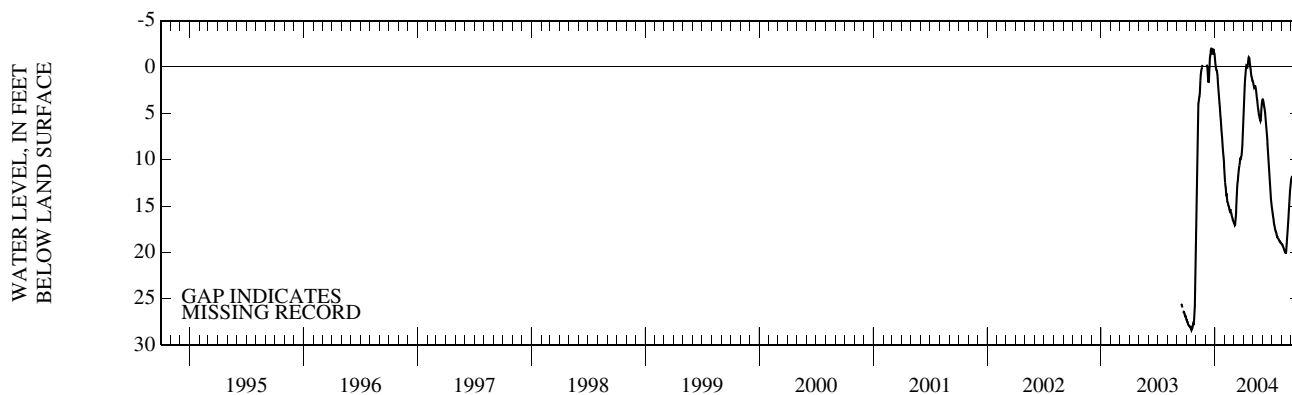
REMARKS.--Missing record, Sept. 19, 2003, due to pumping for water quality sampling, and Nov. 22 to Dec. 4, 2003. Records for water year 2003 have not been previously published and are given below.

PERIOD OF RECORD.--September 2003 to September 2004.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.00 ft above land-surface datum, Dec. 19 and 20, 2003. Lowest water level recorded, 28.41 ft below land-surface datum, Oct. 17, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.28	14.01	---	-0.69	11.91	16.81	5.28	1.55	3.52	15.25	19.06	12.09
2	27.30	11.06	---	-0.24	12.43	16.86	4.62	1.71	3.51	15.48	19.10	11.99
3	27.42	8.90	---	0.04	12.78	16.94	3.90	1.91	3.59	15.73	19.14	11.85
4	27.50	7.31	---	0.20	12.99	17.08	2.88	2.06	3.78	16.01	19.18	11.75
5	27.52	6.15	-0.26	0.34	13.48	17.01	1.95	2.22	4.01	16.25	19.28	11.86
6	27.70	5.20	-0.12	0.37	13.80	16.53	1.32	2.15	4.22	16.43	19.38	11.89
7	27.78	4.52	-0.06	0.56	13.80	16.20	0.90	1.97	4.40	16.68	19.46	11.87
8	27.81	4.01	0.46	0.84	14.17	15.67	0.48	2.04	4.66	16.90	19.58	11.99
9	27.90	3.75	1.08	1.23	14.51	15.02	0.07	2.07	4.91	17.05	19.66	12.16
10	27.98	3.50	1.48	1.63	14.58	14.39	-0.16	2.24	5.25	17.25	19.77	12.23
11	28.01	3.31	1.69	2.05	14.70	13.59	-0.12	2.42	5.65	17.44	19.86	12.53
12	28.00	3.14	1.44	2.45	14.92	12.84	-0.02	2.73	6.09	17.59	19.98	12.71
13	28.01	2.88	0.73	2.90	14.95	12.48	0.01	3.08	6.53	17.72	20.00	12.87
14	28.20	2.23	-0.05	3.43	15.03	12.24	-0.16	3.39	6.91	17.80	20.03	13.16
15	28.05	1.42	-0.94	3.90	15.26	11.74	-0.38	3.62	7.31	17.88	20.16	13.37
16	28.28	0.86	-1.20	4.27	15.43	11.43	-0.72	3.95	7.80	18.07	19.87	13.54
17	28.40	0.51	-1.30	4.80	15.54	11.06	-1.01	4.33	8.30	18.22	19.28	13.76
18	28.30	0.33	-1.84	5.30	15.46	10.80	-1.05	4.56	8.79	18.35	18.68	14.00
19	28.22	0.22	-2.00	5.62	15.35	10.61	-1.01	4.77	9.30	18.35	18.15	14.28
20	28.16	0.04	-2.00	6.17	15.59	10.36	-0.95	5.08	9.85	18.42	17.70	14.29
21	27.90	-0.23	-1.97	6.75	15.69	9.93	-0.47	5.22	10.47	18.51	17.25	14.04
22	27.83	---	-1.89	7.17	15.77	9.85	-0.25	5.41	11.08	18.57	16.87	13.80
23	27.71	---	-1.62	7.53	15.99	9.91	0.01	5.55	11.68	18.61	16.32	13.65
24	27.77	---	-1.37	8.02	16.10	9.79	0.28	5.71	12.36	18.69	15.69	13.56
25	27.67	---	-1.50	8.56	16.20	9.67	0.65	5.81	12.91	18.79	15.11	13.39
26	27.17	---	-1.89	9.08	16.38	9.38	0.94	5.68	13.36	18.81	14.49	13.30
27	26.52	---	-1.88	9.46	16.49	8.93	1.04	5.25	13.85	18.84	13.87	13.32
28	25.82	---	-1.65	9.78	16.58	8.43	1.22	4.77	14.32	18.85	13.33	13.25
29	24.22	---	-1.58	10.24	16.69	7.79	1.45	4.28	14.65	18.92	12.96	13.26
30	21.64	---	-1.47	10.77	---	6.94	1.47	3.92	14.95	19.01	12.65	13.32
31	17.98	---	-1.11	11.33	---	6.05	---	3.67	---	19.04	12.32	---
MAX	28.40	---	---	11.33	16.69	17.08	5.28	5.81	14.95	19.04	20.16	14.29
MIN	17.98	---	---	-0.69	11.91	6.05	-1.05	1.55	3.51	15.25	12.32	11.75



GROUND-WATER RECORDS

HANCOCK COUNTY—Continued

442238068154101 Local number, HW 171--Continued

 DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	25.57
15	---	---	---	---	---	---	---	---	---	---	---	25.60
16	---	---	---	---	---	---	---	---	---	---	---	25.64
17	---	---	---	---	---	---	---	---	---	---	---	25.80
18	---	---	---	---	---	---	---	---	---	---	---	m25.95
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	26.36
21	---	---	---	---	---	---	---	---	---	---	---	26.38
22	---	---	---	---	---	---	---	---	---	---	---	26.44
23	---	---	---	---	---	---	---	---	---	---	---	26.43
24	---	---	---	---	---	---	---	---	---	---	---	26.54
25	---	---	---	---	---	---	---	---	---	---	---	26.67
26	---	---	---	---	---	---	---	---	---	---	---	26.79
27	---	---	---	---	---	---	---	---	---	---	---	26.90
28	---	---	---	---	---	---	---	---	---	---	---	26.88
29	---	---	---	---	---	---	---	---	---	---	---	26.95
30	---	---	---	---	---	---	---	---	---	---	---	27.18
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

m Measured

HANCOCK COUNTY—Continued

442450068175201 Local number, HW 172

LOCATION.--Lat 44°24'50", long 68°17'52", Hydrologic Unit 01050002, on Crooked Road, approximately 500 ft west of Norway Drive, in Bar Harbor.
Owner: U.S. Geological Survey.

AQUIFER.--Bedrock of Cambro-Ordovician age (Ellsworth Schist).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., steel casing, depth 98 ft, cased to 19 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station.

DATUM.--Elevation of land-surface datum is 30 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.80 ft above land-surface datum, which is at the general land surface.

REMARKS.--Missing record, Sept. 18-19 and Dec. 3-4, 2003, due to pumping for water quality sampling. Records for water year 2003 have not been previously published and are given below.

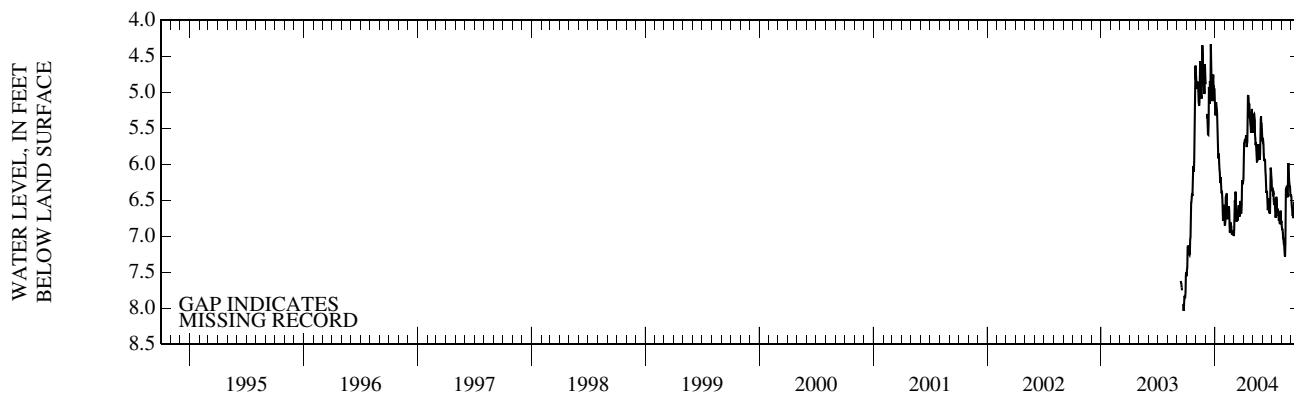
PERIOD OF RECORD.--September 2003 to September 2004.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.13 ft below land-surface datum, Dec. 18, 2003. Lowest water level recorded, 8.03 ft below land-surface datum, Sept. 22, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.56	4.79	4.81	5.20	6.84	7.00	6.19	5.47	5.67	6.36	6.79	6.45
2	7.50	4.88	m4.89	5.32	6.84	6.90	6.03	5.56	5.69	6.36	6.88	6.55
3	7.46	4.91	---	5.28	6.79	6.68	5.72	5.53	5.68	6.37	6.90	6.60
4	7.43	4.96	---	5.14	6.46	6.50	5.71	5.31	5.72	6.36	6.91	6.61
5	7.15	4.94	5.34	5.20	6.44	6.58	5.67	5.31	5.87	6.41	6.95	6.70
6	7.16	4.85	5.34	5.22	6.50	6.38	5.66	5.35	5.95	6.40	7.03	6.72
7	7.15	4.90	5.30	5.29	6.41	6.42	5.66	5.40	5.93	6.49	7.03	6.70
8	7.13	4.99	5.46	5.42	6.63	6.58	5.65	5.59	5.95	6.56	7.11	6.75
9	7.21	5.14	5.59	5.61	6.76	6.71	5.60	5.64	5.95	6.51	7.12	6.70
10	7.25	5.17	5.59	5.73	6.70	6.80	5.62	5.74	6.09	6.52	7.18	6.52
11	7.25	5.19	5.45	5.87	6.64	6.72	5.76	5.70	6.16	6.59	7.26	6.62
12	7.22	5.14	4.93	5.92	6.70	6.62	5.72	5.80	6.26	6.67	7.28	6.61
13	7.04	4.77	5.07	5.85	6.61	6.66	5.69	5.89	6.40	6.74	7.11	6.66
14	7.02	4.57	5.16	5.98	6.59	6.78	5.37	5.97	6.38	6.69	6.51	6.77
15	6.71	4.80	4.85	6.07	6.64	6.63	5.05	5.96	6.37	6.45	6.35	6.76
16	6.54	4.98	4.90	6.11	6.85	6.59	5.04	5.95	6.47	6.49	6.34	6.73
17	6.52	5.05	4.87	6.25	6.95	6.57	5.09	5.93	6.54	6.61	6.35	6.73
18	6.45	5.09	4.33	6.26	6.85	6.63	5.16	5.86	6.64	6.66	6.38	6.55
19	6.41	5.07	4.59	6.18	6.80	6.73	5.17	5.72	6.59	6.64	6.42	6.09
20	6.44	4.82	4.78	6.26	6.91	6.69	5.16	5.76	6.48	6.62	6.46	6.07
21	6.21	4.35	4.92	6.39	6.85	6.51	5.35	5.81	6.58	6.71	6.43	6.12
22	6.08	4.47	5.01	6.39	6.86	6.54	5.36	5.91	6.67	6.71	6.04	6.19
23	6.03	4.62	5.11	6.40	6.96	6.62	5.44	5.94	6.59	6.78	5.98	6.26
24	6.06	4.71	5.13	6.49	6.96	6.69	5.47	5.86	6.69	6.75	6.08	6.30
25	6.10	4.77	4.85	6.63	6.92	6.68	5.56	5.52	6.67	6.74	6.22	6.30
26	5.96	4.90	4.76	6.78	6.96	6.56	5.51	5.37	6.45	6.82	6.27	6.37
27	5.59	5.02	4.91	6.67	6.96	6.27	5.29	5.34	6.05	6.82	6.30	6.45
28	5.05	5.01	4.97	6.56	6.97	6.22	5.24	5.43	6.09	6.75	6.31	6.43
29	4.86	4.61	4.95	6.58	6.97	6.28	5.39	5.44	6.17	6.64	6.42	6.49
30	4.63	4.73	4.96	6.64	---	6.27	5.41	5.51	6.23	6.74	6.45	6.52
31	4.79	---	5.13	6.73	---	6.24	---	5.62	---	6.81	6.42	---
MAX	7.56	5.19	---	6.78	6.97	7.00	6.19	5.97	6.69	6.82	7.28	6.77
MIN	4.63	4.35	---	5.14	6.41	6.22	5.04	5.31	5.67	6.36	5.98	6.07

m Measured



HANCOCK COUNTY—Continued

442450068175201 Local number, HW 172--Continued

 DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
 WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	7.62
14	---	---	---	---	---	---	---	---	---	---	---	7.65
15	---	---	---	---	---	---	---	---	---	---	---	7.67
16	---	---	---	---	---	---	---	---	---	---	---	7.71
17	---	---	---	---	---	---	---	---	---	---	---	m7.75
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	7.94
21	---	---	---	---	---	---	---	---	---	---	---	7.95
22	---	---	---	---	---	---	---	---	---	---	---	8.03
23	---	---	---	---	---	---	---	---	---	---	---	7.97
24	---	---	---	---	---	---	---	---	---	---	---	7.88
25	---	---	---	---	---	---	---	---	---	---	---	7.83
26	---	---	---	---	---	---	---	---	---	---	---	7.85
27	---	---	---	---	---	---	---	---	---	---	---	7.85
28	---	---	---	---	---	---	---	---	---	---	---	7.77
29	---	---	---	---	---	---	---	---	---	---	---	7.54
30	---	---	---	---	---	---	---	---	---	---	---	7.50
31	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

m Measured

HANCOCK COUNTY—Continued

442450068175201 Local number, HW 172--Continued

PERIOD OF RECORD.--CHEMICAL ANALYSES: September 2003 to September 2004.

REMARKS.-- mg/L, milligrams per liter; uS/cm microsiemens per centimeter; ug/L, micrograms per liter; "<", less than; "E", estimated value. The September water sample at this well was analyzed for wastewater-related compounds, schedule 1433 by the National Water Quality Laboratory. Only analyses measured above the reporting level are listed in this table. The schedule 1433 compounds are listed on page 18 in the section, "Records of Ground-Water Quality".

WATER-QUALITY DATA, SEPTEMBER 2003 TO SEPTEMBER 2004

[illegible]

HANCOCK COUNTY—Continued

441516068194101 Local number, HW 173

LOCATION.--Lat 44°15'16", long 68°19'41", Hydrologic Unit 01050002, on the Fire Road between Adam's Bridge and the Seawall campground, Southwest Harbor. Owner: National Park Service.

AQUIFER.--Bedrock of Siluro-Devonian age (Cranberry Island series felsites).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in., steel casing, depth 73 ft, cased to 12 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station.

DATUM.--Elevation of land-surface datum is 45 ft above National Geodetic Vertical Datum of 1929, from topo-graphic map. Measuring point: Top of casing, 1.10 ft above land-surface datum, which is at the general land surface.

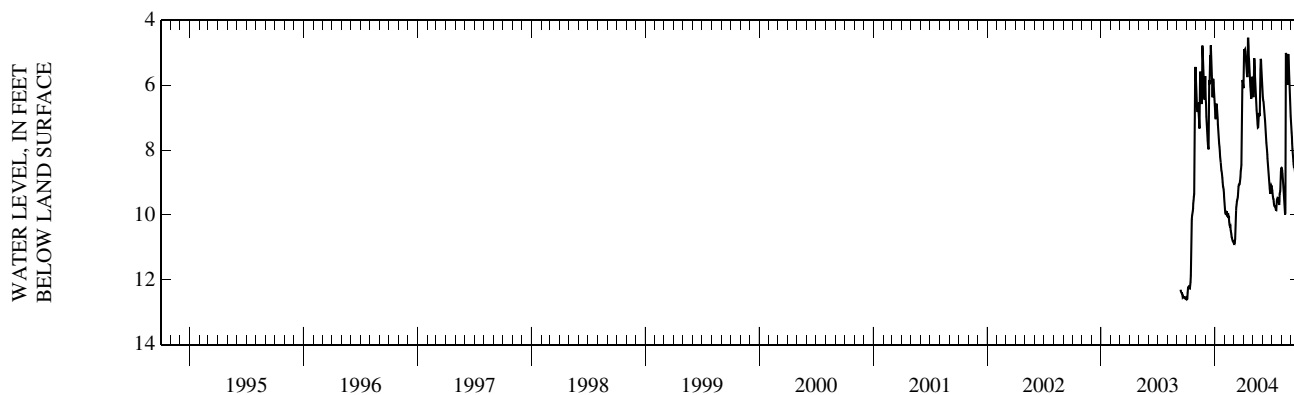
REMARKS.--Records for water year 2003 have not been previously published and are given below.

PERIOD OF RECORD.--September 2003 to September 2004.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.44 ft below land-surface datum, Apr. 15-16, 2004. Lowest water level recorded, 12.61 ft below land-surface datum, Oct. 3-4, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.59	5.96	6.01	6.86	9.73	10.88	6.09	6.07	6.18	9.18	8.55	7.26
2	12.58	6.27	6.41	7.00	9.86	10.86	5.73	6.24	6.36	9.25	8.57	7.46
3	12.60	6.51	6.58	7.05	9.93	10.87	4.89	6.36	6.46	9.35	8.64	7.61
4	12.59	6.75	6.97	6.72	9.92	10.83	4.95	5.79	6.49	9.44	8.73	7.78
5	12.40	6.83	7.13	6.57	9.97	10.74	4.92	5.17	6.60	9.49	8.87	7.96
6	12.28	6.57	7.28	6.60	9.98	10.52	4.90	5.24	6.73	9.51	9.02	8.09
7	12.23	6.57	7.45	6.73	9.88	10.18	4.98	5.45	6.86	9.60	9.17	8.20
8	12.21	6.75	7.69	6.88	9.99	9.85	5.10	5.71	6.98	9.68	9.39	8.35
9	12.23	6.91	7.84	7.04	10.00	9.75	5.25	5.91	7.10	9.72	9.58	8.46
10	12.25	7.04	7.95	7.20	9.95	9.69	5.41	6.15	7.28	9.73	9.74	8.44
11	12.26	7.18	7.95	7.34	10.00	9.58	5.55	6.34	7.44	9.73	9.87	8.51
12	12.27	7.33	6.32	7.48	10.07	9.53	5.68	6.55	7.62	9.76	9.99	8.57
13	12.18	6.60	5.84	7.63	10.05	9.51	5.75	6.76	7.77	9.80	9.95	8.68
14	12.08	5.58	5.97	7.81	10.11	9.43	5.57	6.90	7.89	9.84	7.15	8.83
15	11.87	5.73	5.47	7.89	10.23	9.29	4.56	7.03	8.00	9.85	5.00	8.93
16	10.91	5.96	5.07	8.03	10.30	9.13	4.56	7.20	8.14	9.70	5.04	9.02
17	10.40	6.18	5.25	8.21	10.34	9.07	4.80	7.31	8.25	9.53	5.22	9.15
18	10.13	6.41	4.77	8.30	10.33	9.07	5.09	7.29	8.39	9.51	5.50	9.15
19	10.02	6.58	4.98	8.39	10.33	9.06	5.23	7.07	8.52	9.48	5.74	7.78
20	9.95	6.33	5.31	8.52	10.47	9.01	5.50	6.89	8.65	9.49	5.95	7.04
21	9.89	4.78	5.60	8.63	10.52	8.93	5.70	6.86	8.77	9.50	5.99	6.98
22	9.79	4.93	5.91	8.67	10.59	8.83	5.85	6.96	8.90	9.55	5.07	7.09
23	9.65	5.20	6.17	8.76	10.67	8.65	6.04	6.88	9.03	9.62	5.04	7.27
24	9.57	5.48	6.37	8.86	10.71	8.57	6.17	6.45	9.18	9.69	5.34	7.43
25	9.44	5.77	6.03	8.99	10.74	8.46	6.34	5.52	9.30	9.57	5.67	7.57
26	9.36	6.03	5.80	9.11	10.79	8.08	6.42	5.19	9.35	9.36	5.98	7.73
27	8.43	6.28	5.92	9.15	10.81	7.07	6.11	5.24	9.28	9.31	6.24	7.88
28	6.26	6.45	6.08	9.22	10.83	6.00	5.74	5.39	9.14	9.26	6.48	7.99
29	5.64	6.07	6.26	9.33	10.85	5.84	5.77	5.57	9.09	8.91	6.75	8.11
30	5.43	5.72	6.46	9.45	---	5.89	5.89	5.77	9.11	8.66	6.95	8.22
31	5.67	---	6.69	9.58	---	5.99	---	5.98	---	8.56	7.09	---
MAX	12.60	7.33	7.95	9.58	10.85	10.88	6.42	7.31	9.35	9.85	9.99	9.15
MIN	5.43	4.78	4.77	6.57	9.73	5.84	4.56	5.17	6.18	8.56	5.00	6.98



GROUND-WATER RECORDS

HANCOCK COUNTY—Continued

441516068194101 Local number, HW 173--Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

[illegible]

HANCOCK COUNTY—Continued

441650068210801 Local number, HW 174

LOCATION.--Lat 44°16'50", long 68°21'08", Hydrologic Unit 01050002, 400 ft south of Seal Cove Road, 1.4 miles west of State Route 102, in Southwest Harbor. Owner: National Park Service.

AQUIFER.--Bedrock of Devonian age: Southwest Harbor Granite.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., steel casing, depth 265 ft, cased to 19 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station.

DATUM.--Elevation of land-surface datum is 105 ft above National Geodetic Vertical Datum of 1929, from topo-graphic map. Measuring point: Top of casing, 1.00 ft above land-surface datum, which is at the general land surface.

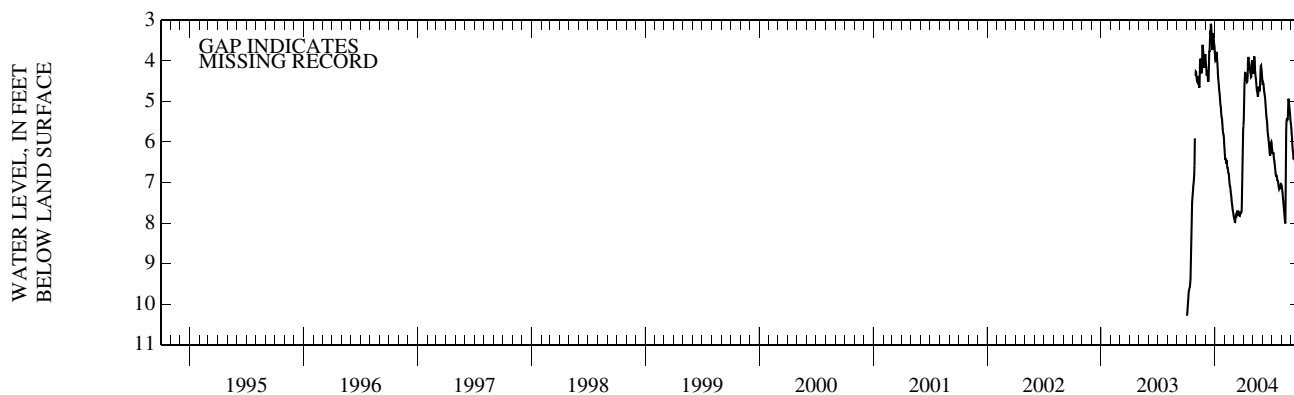
REMARKS.--Missing record, Oct. 1-2 and 29, due to pumping for water quality sampling.

PERIOD OF RECORD.--October 2003 to September 2004.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.08 ft below land-surface datum, Apr. 15-16. Lowest water level recorded, 10.29 ft below land-surface datum, Oct. 3, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.28	3.87	3.90	6.28	7.86	5.59	4.19	4.53	6.14	7.07	5.66
2	---	4.38	4.00	3.99	6.39	7.88	5.43	4.27	4.59	6.21	7.12	5.79
3	10.29	4.45	4.11	3.98	6.43	7.91	4.92	4.32	4.55	6.28	7.18	5.88
4	10.21	4.51	4.17	3.81	6.41	7.97	4.62	4.07	4.56	6.28	7.25	5.97
5	10.09	4.52	4.36	3.78	6.50	7.97	4.46	3.89	4.66	6.27	7.34	6.11
6	9.98	4.40	4.30	3.81	6.53	7.86	4.30	3.94	4.75	6.28	7.44	6.20
7	9.86	4.37	4.22	3.93	6.45	7.84	4.30	4.04	4.80	6.35	7.53	6.27
8	9.74	4.46	4.35	4.06	6.55	7.80	4.33	4.21	4.85	6.43	7.63	6.37
9	9.67	4.57	4.47	4.19	6.63	7.79	4.36	4.30	4.91	6.47	7.71	6.43
10	9.63	4.60	4.51	4.31	6.64	7.81	4.41	4.41	5.01	6.54	7.80	6.32
11	9.61	4.64	4.47	4.43	6.68	7.75	4.47	4.45	5.12	6.62	7.89	6.35
12	9.58	4.66	3.99	4.51	6.76	7.70	4.52	4.55	5.24	6.71	7.99	6.41
13	9.48	4.42	3.75	4.60	6.77	7.74	4.51	4.66	5.36	6.79	7.99	6.50
14	9.38	3.95	3.78	4.72	6.82	7.82	4.37	4.72	5.43	6.83	7.49	6.63
15	9.10	3.98	3.53	4.79	6.93	7.78	4.02	4.75	5.50	6.83	6.33	6.72
16	8.63	4.10	3.32	4.85	7.02	7.78	3.90	4.83	5.60	6.83	5.71	6.79
17	8.08	4.19	3.33	4.99	7.09	7.75	3.94	4.88	5.69	6.86	5.49	6.87
18	7.71	4.27	3.08	5.08	7.11	7.78	4.03	4.83	5.79	6.94	5.44	6.82
19	7.49	4.30	3.10	5.12	7.11	7.82	4.05	4.66	5.86	6.94	5.44	6.24
20	7.39	4.23	3.26	5.25	7.23	7.82	4.10	4.66	5.91	6.96	5.47	5.77
21	7.27	3.66	3.41	5.36	7.29	7.72	4.22	4.68	5.99	7.01	5.42	5.64
22	7.18	3.60	3.53	5.39	7.34	7.75	4.23	4.75	6.09	7.07	5.13	5.64
23	7.09	3.71	3.66	5.45	7.45	7.76	4.29	4.71	6.17	7.12	4.93	5.72
24	7.03	3.80	3.73	5.55	7.52	7.75	4.31	4.57	6.29	7.16	4.95	5.83
25	6.94	3.89	3.50	5.67	7.58	7.74	4.40	4.28	6.34	7.14	5.05	5.90
26	6.81	4.03	3.31	5.76	7.66	7.67	4.39	4.12	6.30	7.12	5.15	6.00
27	6.57	4.13	3.40	5.80	7.71	7.38	4.15	4.11	6.13	7.14	5.23	6.12
28	5.91	4.17	3.51	5.83	7.75	6.78	3.99	4.16	6.01	7.14	5.31	6.20
29	---	3.94	3.58	5.92	7.80	6.22	4.05	4.22	6.00	7.07	5.43	6.30
30	4.36	3.83	3.66	6.02	---	5.89	4.11	4.32	6.05	7.04	5.52	6.40
31	4.27	---	3.80	6.15	---	5.70	---	4.43	---	7.04	5.57	---
MAX	---	4.66	4.51	6.15	7.80	7.97	5.59	4.88	6.34	7.16	7.99	6.87
MIN	---	3.60	3.08	3.78	6.28	5.70	3.90	3.89	4.53	6.14	4.93	5.64



KENNEBEC COUNTY

441849069442001, KW 52

LOCATION.--Lat 44°18'49", long 69°44'20", Hydrologic Unit 01030003, on Cony Road, 0.3 mi south of State Route 105, in Augusta. Owner: Walter Panek.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.-- Dug water-table observation well, diameter 36 in., depth 22 ft, cased with rock to 22 ft, open end.

INSTRUMENTATION.--Electronic water level recorder. Prior to Dec. 2000, monthly measurement with chalked steel tape by USGS personnel. Prior to Oct. 1989, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of concrete well at land-surface datum.

REMARKS.--Missing record, Oct. 1 to Dec. 31.

PERIOD OF RECORD.--December 1960 to current year.

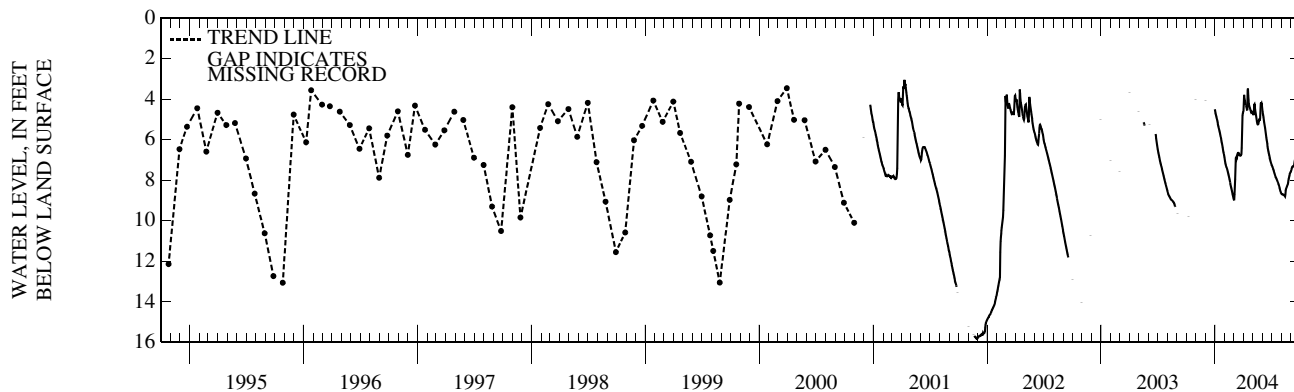
REVISED RECORDS.--WRD ME-82-1: 1978, 1979, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.91 ft below land-surface datum, May 12, 1989; lowest recorded 15.83 ft below land-surface datum, Nov. 28-29, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	m4.06	4.58	6.97	8.96	4.60	4.68	4.59	7.27	8.67	7.52
2	---	---	---	4.68	7.08	8.99	4.23	4.74	4.71	7.31	8.69	7.46
3	---	---	---	4.75	7.17	8.71	3.78	4.79	4.79	7.35	8.70	7.40
4	---	---	---	4.81	7.24	8.28	3.97	4.64	4.89	7.39	8.70	7.36
5	---	---	---	4.89	7.29	7.95	4.04	4.27	5.02	7.44	8.70	7.33
6	---	---	---	4.94	7.34	7.31	4.09	4.25	5.14	7.48	8.70	7.32
7	m9.79	---	---	5.00	7.37	6.92	4.18	4.34	5.24	7.53	8.71	7.31
8	---	---	---	5.07	7.42	6.89	4.25	4.47	5.33	7.58	8.72	7.31
9	---	---	---	5.16	7.48	6.93	4.31	4.58	5.42	7.63	8.74	7.31
10	---	---	---	5.24	7.55	6.97	4.38	4.70	5.53	7.68	8.76	7.28
11	---	---	---	5.31	7.61	6.91	4.44	4.78	5.65	7.73	8.78	7.17
12	---	---	---	5.37	7.68	6.81	4.51	4.88	5.77	7.78	8.81	7.06
13	---	---	---	5.43	7.74	6.69	4.55	5.00	5.90	7.83	8.71	6.98
14	---	---	---	5.50	7.81	6.69	3.59	5.10	6.02	7.87	8.52	6.94
15	---	---	---	5.57	7.88	6.70	3.48	5.18	6.10	7.90	8.46	6.92
16	---	---	---	5.63	7.96	6.66	3.83	5.24	6.21	7.94	8.42	6.91
17	---	---	---	5.71	8.04	6.67	4.05	5.25	6.32	7.97	8.38	6.90
18	---	---	---	5.80	8.12	6.70	4.20	5.24	6.42	8.01	8.33	6.89
19	---	---	---	5.86	8.19	6.74	4.28	5.18	6.51	8.05	8.29	6.78
20	---	---	---	5.95	8.26	6.78	4.34	5.08	6.59	8.09	8.25	6.59
21	---	---	---	6.05	8.33	6.79	4.41	5.03	6.66	8.14	8.21	6.45
22	---	---	---	6.14	8.39	6.78	4.45	5.04	6.73	8.18	8.12	6.34
23	---	---	---	6.21	8.46	6.77	4.51	5.03	6.79	8.23	8.01	6.26
24	---	---	---	6.29	8.54	6.76	4.56	4.95	6.88	8.28	7.93	6.23
25	---	---	---	6.39	8.61	6.73	4.63	4.58	6.96	8.34	7.86	6.20
26	---	---	---	6.50	8.69	6.41	4.67	4.22	7.03	8.39	7.79	6.19
27	---	---	---	6.59	8.76	5.73	4.65	4.18	7.08	8.45	7.72	6.21
28	---	---	---	6.66	8.83	5.04	4.62	4.25	7.13	8.51	7.67	6.23
29	---	---	---	6.72	8.90	4.80	4.63	4.22	7.19	8.55	7.63	6.26
30	---	---	---	6.78	---	4.70	4.64	4.30	7.23	8.60	7.60	6.30
31	m4.01	---	m4.50	6.86	---	4.65	---	4.44	---	8.64	7.57	---
MEAN	---	---	---	5.69	7.92	6.79	4.30	4.73	6.06	7.94	8.33	6.85
MAX	---	---	---	6.86	8.90	8.99	4.67	5.25	7.23	8.64	8.81	7.52
MIN	---	---	---	4.58	6.97	4.65	3.48	4.18	4.59	7.27	7.57	6.19

m Measured



KENNEBEC COUNTY—Continued

440918069564001 Local number, KW 766

LOCATION.--Lat 44°09'18", long 69°56'40", Hydrologic Unit 01030003, 690 ft northeast of the intersection of Hallowell Neck Road, Libby Road, and Plains Road, Litchfield. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (ice-contact deposits) of Pleistocene age.

WELL CHARACTERISTICS.--Drilled unconfined observation well, diameter 6 in., depth 62 ft, cased to 59 ft, open end.

INSTRUMENTATION.--Electronic water level recorder. Feb. 1990 to Mar. 2001, monthly measurement with chalked steel tape by USGS personnel. Daily mean data were published for Oct. 1989 to Jan. 1990. Prior to Oct. 1989, daily mean data were published every fifth day.

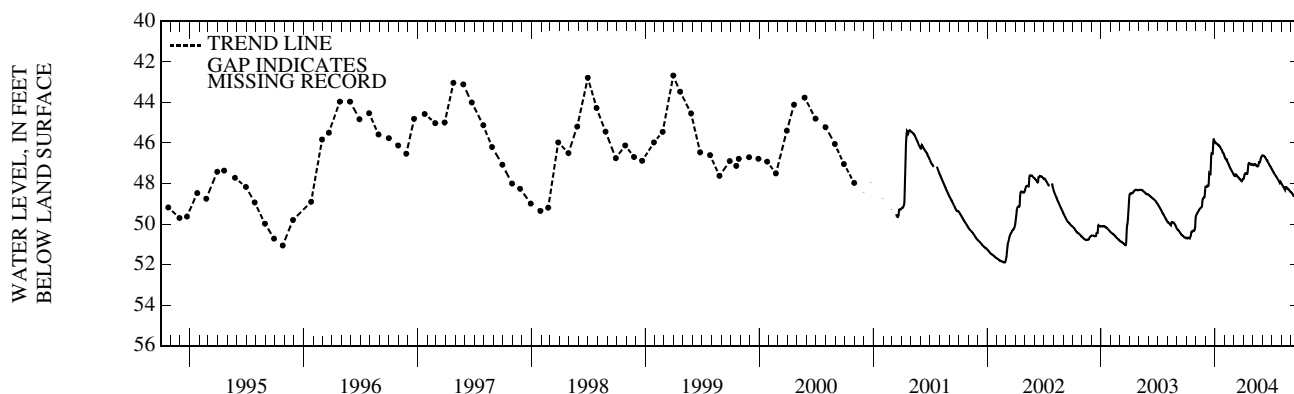
DATUM.--Elevation of land-surface datum is 300 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Floor of recorder shelter, at land-surface datum, which is 2.7 ft above the general land surface.

PERIOD OF RECORD.--June 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.76 ft below land-surface datum, June 2, 1984; lowest recorded, 51.89 ft below land-surface datum, Feb. 22-26, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50.67	49.58	48.16	45.98	46.70	47.58	47.78	47.08	46.61	47.30	48.01	48.43
2	50.68	49.55	48.16	46.00	46.74	47.59	47.75	47.10	46.61	47.32	48.04	48.45
3	50.70	49.52	48.16	46.00	46.76	47.62	47.66	47.10	46.61	47.35	48.06	48.47
4	50.71	49.49	48.16	46.01	46.77	47.63	47.57	47.08	46.63	47.38	48.08	48.49
5	50.68	49.46	48.17	46.02	46.81	47.62	47.53	47.05	46.64	47.41	48.11	48.52
6	50.67	49.42	48.16	46.03	46.82	47.57	47.51	47.04	46.65	47.43	48.15	48.54
7	50.67	49.39	48.12	46.04	46.82	47.59	47.50	47.04	46.66	47.47	48.18	48.56
8	50.67	49.37	48.12	46.06	46.88	47.57	47.49	47.07	46.68	47.50	48.21	48.59
9	50.69	49.34	48.13	46.07	46.91	47.59	47.49	47.06	46.69	47.52	48.23	48.60
10	50.70	49.32	48.12	46.08	46.94	47.61	47.50	47.08	46.72	47.55	48.25	48.57
11	50.71	49.30	48.10	46.09	46.97	47.60	47.52	47.09	46.75	47.57	48.28	48.59
12	50.72	49.28	47.78	46.10	47.01	47.62	47.53	47.11	46.78	47.59	48.31	48.61
13	50.67	49.25	47.49	46.11	47.03	47.66	47.52	47.13	46.81	47.61	48.24	48.63
14	50.63	49.23	47.51	46.15	47.07	47.68	47.43	47.14	46.83	47.64	48.14	48.65
15	50.58	49.21	47.50	46.15	47.12	47.68	47.27	47.15	46.86	47.65	48.16	48.67
16	50.44	49.20	47.55	46.16	47.16	47.71	47.09	47.16	46.87	47.68	48.17	48.69
17	50.38	49.19	47.54	46.21	47.20	47.72	47.02	47.15	46.90	47.71	48.18	48.71
18	50.36	49.18	47.18	46.21	47.21	47.74	47.02	47.14	46.93	47.74	48.21	48.71
19	50.36	49.16	46.69	46.24	47.24	47.77	47.00	47.06	46.95	47.76	48.23	48.71
20	50.36	49.11	46.53	46.28	47.28	47.78	47.02	46.96	46.99	47.79	48.26	48.71
21	50.35	48.90	46.50	46.32	47.31	47.78	47.03	46.95	47.02	47.81	48.27	48.73
22	50.33	48.79	46.50	46.33	47.33	47.82	47.02	46.97	47.04	47.84	48.27	48.74
23	50.33	48.75	46.54	46.36	47.36	47.84	47.04	46.95	47.07	47.87	48.27	48.76
24	50.34	48.72	46.54	46.40	47.38	47.86	47.04	46.92	47.11	47.90	48.30	48.78
25	50.34	48.70	46.35	46.45	47.41	47.88	47.07	46.84	47.13	47.92	48.32	48.80
26	50.33	48.69	46.01	46.48	47.45	47.89	47.05	46.77	47.15	47.95	48.34	48.82
27	50.32	48.69	45.83	46.49	47.48	47.86	47.04	46.73	47.17	47.98	48.35	48.84
28	50.27	48.66	45.82	46.51	47.51	47.82	47.07	46.70	47.20	47.95	48.38	48.86
29	50.17	48.49	45.87	46.55	47.54	47.79	47.08	46.67	47.23	47.93	48.40	48.88
30	49.79	48.23	45.90	46.59	---	47.78	47.08	46.64	47.26	47.96	48.42	48.91
31	49.63	---	45.95	46.64	---	47.78	---	46.62	---	47.99	48.43	---
MAX	50.72	49.58	48.17	46.64	47.54	47.89	47.78	47.16	47.26	47.99	48.43	48.91
MIN	49.63	48.23	45.82	45.98	46.70	47.57	47.00	46.62	46.61	47.30	48.01	48.43



KENNEBEC COUNTY—Continued

440810069553601 Local number, KW 872A

LOCATION.--Lat 44°08'17", long 69°55'36", Hydrologic Unit 01030003, on Small Road, 0.40 mi north of State Route 197, Litchfield. Owner: Stephen Condon.

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 404 ft, cased to bedrock, open end.

INSTRUMENTATION.--Electronic water level recorder. Dec. 1989 to Dec. 2000, monthly measurement with chalked steel tape by USGS personnel. Daily mean data were published for Oct.-Nov. 1989. Prior to Oct. 1989, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, at land-surface datum, which is 2.2 ft above the general land surface.

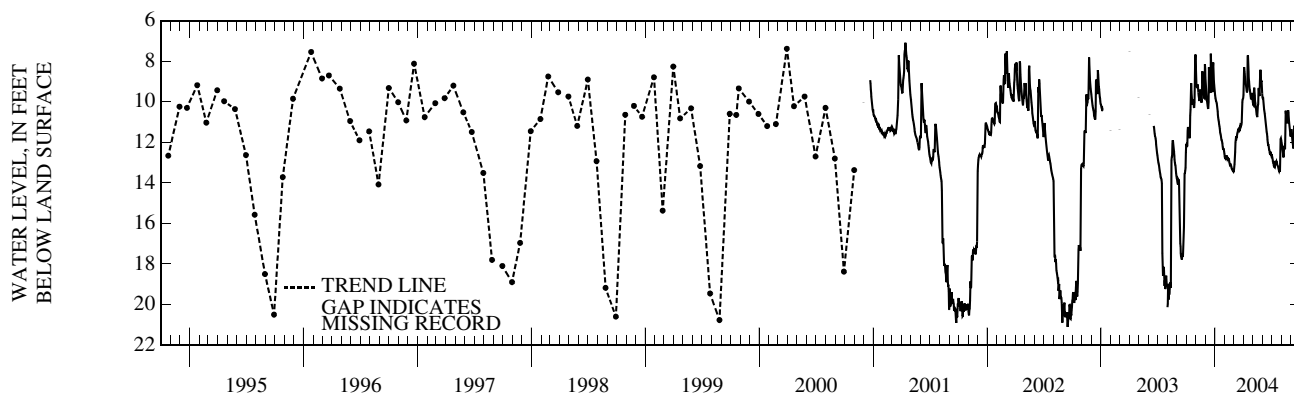
PERIOD OF RECORD.--November 1978 to current year.

REVISED RECORDS.--WDR ME-82-1: 1980, WDR ME-84-1: 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.47 ft below land-surface datum, May 12, 1989; lowest recorded, 21.10 ft below land-surface datum, Sept. 15, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.09	8.78	8.79	9.69	12.71	13.41	9.66	10.04	9.79	12.67	12.02	11.34
2	12.13	9.15	9.14	9.82	12.78	13.25	8.93	10.15	9.84	12.74	12.11	11.49
3	12.19	9.25	9.40	9.89	12.79	13.08	8.29	10.17	9.83	12.83	12.23	11.62
4	12.18	9.29	9.61	9.97	12.73	12.75	8.49	9.54	10.02	12.93	12.34	11.75
5	11.43	9.29	9.81	10.01	12.79	12.47	8.63	9.30	10.22	13.00	12.49	11.93
6	11.25	9.14	9.97	10.08	12.77	12.00	8.84	9.50	10.38	13.05	12.63	12.06
7	11.34	9.31	10.06	10.19	12.65	11.86	8.99	9.69	10.49	13.12	12.74	12.17
8	11.40	9.54	10.21	10.33	12.76	11.70	9.10	9.95	10.59	13.19	12.56	12.30
9	11.54	9.71	10.30	10.48	12.82	11.74	9.20	10.08	10.73	13.21	12.24	12.16
10	11.67	9.81	10.35	10.64	12.79	11.78	9.33	10.25	10.90	13.24	12.21	11.27
11	11.77	9.90	10.01	10.79	12.81	11.70	9.46	10.31	11.05	13.04	12.31	11.18
12	11.80	9.96	8.30	10.89	12.87	11.58	9.55	10.46	11.21	12.91	12.30	11.28
13	10.69	9.63	8.65	10.99	12.82	11.52	9.49	10.61	11.36	12.97	11.29	11.45
14	10.39	9.39	9.02	11.12	12.83	11.45	7.79	10.67	11.49	13.03	10.44	11.65
15	9.55	9.56	9.19	11.21	12.96	11.36	7.70	10.75	11.58	13.00	10.56	11.77
16	9.08	9.75	9.52	11.32	13.03	11.34	8.17	10.50	11.73	12.95	10.62	11.89
17	9.50	9.89	9.56	11.50	13.10	11.32	8.52	10.19	11.86	13.00	10.65	12.03
18	9.76	10.01	7.63	11.58	13.08	11.37	8.83	10.14	12.01	13.11	10.80	11.80
19	9.97	10.05	8.11	11.64	13.04	11.43	8.99	9.38	12.11	13.15	10.95	10.92
20	10.14	9.39	8.61	11.75	13.13	11.40	9.22	9.33	12.12	13.16	11.06	10.90
21	10.10	8.50	8.97	11.86	13.14	11.23	9.39	9.59	12.22	13.21	10.98	11.06
22	9.89	8.77	9.23	11.89	13.20	11.13	9.47	9.72	12.35	13.29	10.41	11.20
23	9.91	9.09	9.44	11.96	13.28	11.15	9.63	9.21	12.38	13.36	10.55	11.40
24	10.09	9.30	9.52	12.05	13.31	11.20	9.73	8.68	12.51	13.41	10.78	11.56
25	10.26	9.48	8.29	12.20	13.35	11.15	9.88	8.42	12.57	13.35	10.99	11.67
26	10.30	9.66	8.06	12.33	13.39	11.02	9.79	8.69	12.58	13.38	11.16	11.80
27	10.03	9.81	8.59	12.33	13.41	10.39	9.56	8.96	12.47	13.46	11.30	11.96
28	8.95	9.83	8.96	12.32	13.43	10.02	9.66	9.01	12.57	12.79	11.44	12.08
29	7.92	8.15	9.17	12.39	13.45	9.92	9.81	8.95	12.63	11.85	11.61	12.18
30	7.67	8.37	9.35	12.46	---	9.87	9.92	9.32	12.58	11.81	11.72	12.29
31	8.32	---	9.54	12.57	---	9.83	---	9.60	---	11.90	11.54	---
MAX	12.19	10.05	10.35	12.57	13.45	13.41	9.92	10.75	12.63	13.46	12.74	12.30
MIN	7.67	8.15	7.63	9.69	12.65	9.83	7.70	8.42	9.79	11.81	10.41	10.90



OXFORD COUNTY

443647070552302 Local number, OW 400A

LOCATION.--Lat 44°46'37", long 70°55'23", Hydrologic Unit 01040001, at Middle Dam, Lower Richardson Lake. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 23.6 ft, screened depth 18.6 to 23.6 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water level recorder. Satellite telemeter at station. Prior to Dec. 7, 2001, weekly measurement with chalked steel tape by local observer. Daily mean data were published from Dec. 1999 to Oct. 2000 and from June 1991 to May 1995. Prior to June 1991 and June 1995 to Dec. 1999, monthly measurements were published.

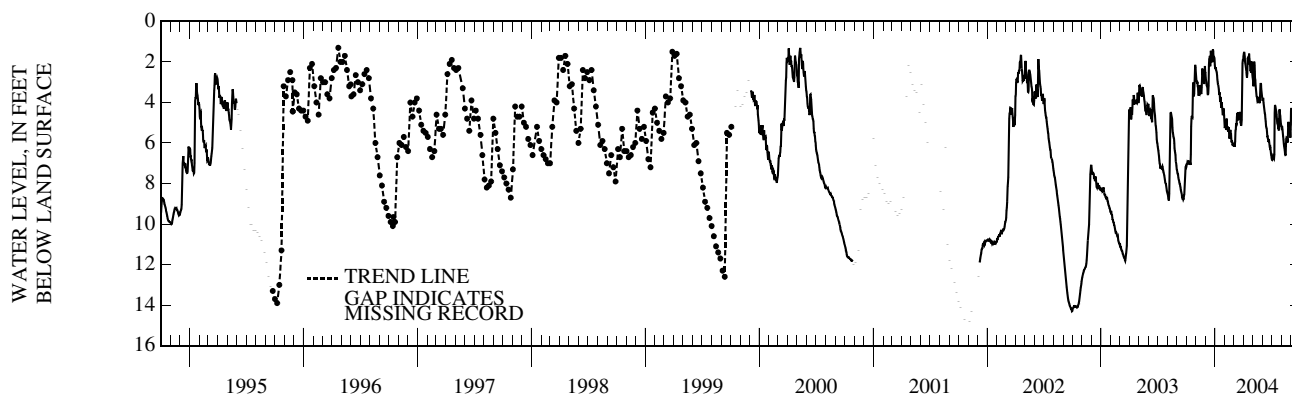
DATUM.--Elevation of land-surface datum is 1,444 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1989 to October 2000. December 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.29 ft below land-surface datum, Apr. 16, 1994; lowest measured, 14.80 ft below land-surface datum, Nov. 4, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.11	2.69	2.50	2.32	5.26	6.18	1.73	2.87	3.92	6.82	5.23	4.27
2	7.02	2.92	2.77	2.33	5.20	6.00	1.60	3.03	3.86	6.84	5.20	4.47
3	7.08	2.95	2.92	2.27	4.97	6.19	1.51	3.20	3.77	6.81	5.21	4.53
4	6.98	3.08	3.00	2.40	4.92	6.12	1.58	2.52	3.99	6.75	5.35	4.81
5	7.02	2.97	3.15	2.44	5.35	5.91	1.73	1.99	4.11	6.64	5.53	5.08
6	7.03	3.20	3.19	2.52	5.06	5.41	2.00	2.17	4.23	6.68	5.70	5.11
7	6.92	3.26	3.22	2.66	4.80	5.35	2.10	2.46	4.37	6.72	5.83	5.20
8	6.87	3.59	3.57	2.89	5.37	5.03	2.22	2.79	4.52	6.75	6.03	5.51
9	6.92	3.67	3.63	3.00	5.33	5.06	2.33	2.90	4.59	6.58	6.16	5.28
10	6.97	3.62	3.55	3.08	5.18	5.07	2.47	3.18	4.80	4.52	6.25	4.16
11	6.98	3.58	3.18	3.12	5.34	4.71	2.66	3.34	4.93	4.12	6.37	4.04
12	6.90	3.60	2.15	3.23	5.44	4.51	2.78	3.51	5.16	4.17	6.56	4.10
13	6.99	3.15	1.89	3.35	5.22	4.89	2.57	3.70	5.23	4.28	6.60	4.41
14	7.08	3.20	1.84	3.60	5.35	4.72	1.84	3.72	5.27	4.38	6.59	4.62
15	6.56	3.41	1.70	3.49	5.70	4.49	1.80	3.84	5.44	4.47	6.18	4.70
16	5.19	3.52	2.21	3.65	5.79	4.67	1.96	3.96	5.67	4.60	5.85	4.80
17	4.80	3.54	1.93	3.96	5.74	4.56	2.07	3.96	5.67	4.82	5.74	4.99
18	4.66	3.58	1.45	3.72	5.45	4.69	2.06	3.86	5.76	4.95	5.75	5.22
19	4.72	3.26	1.64	3.90	5.35	4.84	1.59	3.81	5.80	4.93	5.83	5.24
20	4.74	2.72	1.75	4.18	5.60	4.63	1.83	3.78	5.95	5.12	5.98	5.21
21	3.92	2.32	1.77	4.26	5.51	4.47	1.96	3.91	5.91	5.24	5.87	5.23
22	3.02	2.55	1.88	3.99	5.82	4.97	2.14	4.04	5.90	5.25	5.21	5.31
23	3.13	2.65	2.02	4.20	5.97	5.00	2.39	3.99	6.04	5.38	4.95	5.56
24	3.63	2.63	1.92	4.33	5.89	5.15	2.38	3.62	6.18	5.00	5.16	5.65
25	3.70	2.85	1.38	4.59	5.98	5.07	2.52	3.17	6.24	4.37	5.21	5.66
26	3.56	2.99	1.47	4.63	6.12	4.86	2.12	3.05	6.22	4.37	5.25	5.89
27	3.09	3.09	1.81	4.36	6.07	3.40	1.98	3.12	6.38	4.56	5.33	6.03
28	2.53	2.89	1.79	4.29	6.04	2.53	2.42	3.32	6.52	4.68	5.48	6.09
29	2.14	2.21	1.78	4.54	6.04	2.06	2.60	3.50	6.60	4.89	5.74	6.27
30	2.28	2.51	1.85	4.65	---	1.90	2.76	3.64	6.74	5.06	5.34	6.40
31	2.49	---	2.16	4.96	---	1.91	---	3.77	---	5.13	4.42	---
MAX	7.11	3.67	3.63	4.96	6.12	6.19	2.78	4.04	6.74	6.84	6.60	6.40
MIN	2.14	2.21	1.38	2.27	4.80	1.90	1.51	1.99	3.77	4.12	4.42	4.04



OXFORD COUNTY—Continued

440823070291501 Local number, OW 1214

LOCATION.--Lat 44°08'23", long 70°29'15", Hydrologic Unit 01040002, on State Route 121, about 0.1 mi east of the intersection with Skeetfield Road, in Oxford. Owner: U.S. Geological Survey.

AQUIFER.--Stratified sand (outwash) of Pleistocene age.

WELL CHARACTERISTICS.--Drilled unconfined observation well, diameter 6 in., Sept. 1980 constructed depth 39 ft, cased with 6-in. steel to 35 ft, screened 35 to 39 ft, screen slot size 0.010 in., November 1982 measured depth 38 ft.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station. Prior to Oct. 1989, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 334 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, at land surface datum, which is 1.2 ft above the general land surface.

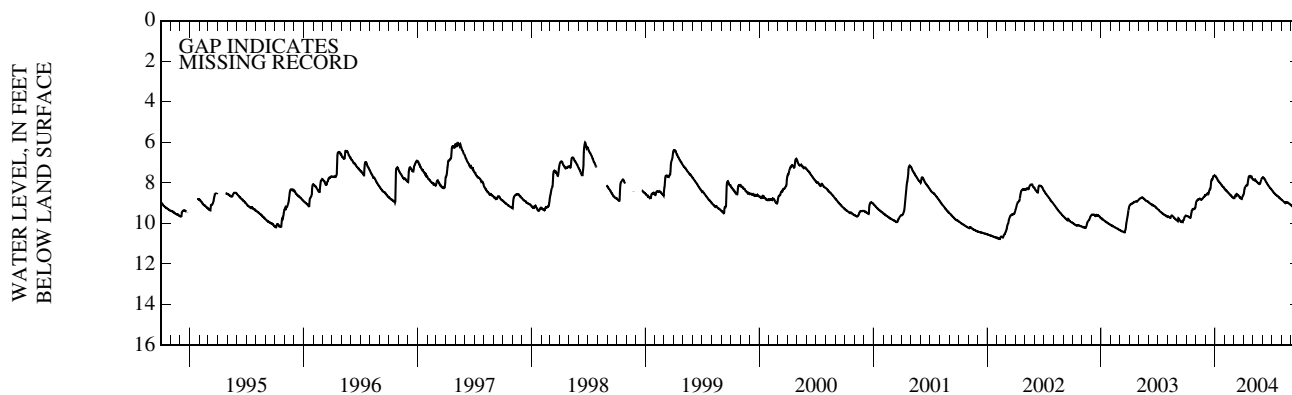
PERIOD OF RECORD.--September 1980 to current year.

REVISED RECORDS.--WDR ME-82-1: 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.07 ft below land-surface datum, June 3, 1984; lowest recorded, 10.77 ft below land-surface datum, Feb. 9-10, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.63	8.97	8.62	7.67	8.31	8.76	8.60	7.83	7.74	8.36	8.83	9.11
2	9.63	8.92	8.61	7.69	8.33	8.75	8.55	7.85	7.73	8.38	8.84	9.12
3	9.64	8.88	8.59	7.69	8.34	8.75	8.43	7.86	7.73	8.40	8.85	9.13
4	9.64	8.87	8.57	7.71	8.35	8.69	8.32	7.85	7.75	8.42	8.87	9.15
5	9.64	8.84	8.57	7.74	8.38	8.66	8.26	7.85	7.77	8.44	8.88	9.17
6	9.65	8.83	8.55	7.75	8.38	8.60	8.22	7.85	7.79	8.45	8.90	9.18
7	9.66	8.82	8.53	7.79	8.38	8.58	8.19	7.84	7.80	8.48	8.91	9.19
8	9.67	8.83	8.55	7.82	8.43	8.57	8.16	7.88	7.82	8.49	8.93	9.21
9	9.68	8.82	8.57	7.85	8.44	8.60	8.14	7.87	7.84	8.50	8.95	9.20
10	9.70	8.81	8.57	7.88	8.45	8.62	8.14	7.89	7.87	8.52	8.96	9.20
11	9.71	8.80	8.54	7.89	8.47	8.58	8.13	7.89	7.91	8.54	8.98	9.22
12	9.71	8.80	8.46	7.91	8.49	8.57	8.13	7.92	7.95	8.56	8.99	9.23
13	9.71	8.78	8.40	7.92	8.50	8.58	8.12	7.94	7.98	8.58	8.96	9.25
14	9.72	8.80	8.35	7.96	8.52	8.60	8.05	7.95	7.99	8.59	8.96	9.27
15	9.66	8.82	8.31	7.97	8.54	8.60	7.93	7.96	8.02	8.60	8.97	9.28
16	9.55	8.83	8.31	7.98	8.57	8.63	7.83	7.99	8.05	8.62	8.98	9.29
17	9.46	8.83	8.28	8.01	8.58	8.64	7.75	8.01	8.07	8.64	8.96	9.30
18	9.39	8.84	8.10	8.02	8.59	8.67	7.71	8.01	8.09	8.66	8.96	9.30
19	9.35	8.82	7.94	8.04	8.59	8.70	7.67	8.02	8.11	8.64	8.96	9.30
20	9.33	8.80	7.88	8.07	8.62	8.72	7.67	8.04	8.14	8.65	8.97	9.31
21	9.30	8.78	7.85	8.10	8.62	8.71	7.67	8.05	8.16	8.67	8.97	9.33
22	9.29	8.77	7.83	8.11	8.65	8.75	7.66	8.06	8.18	8.69	8.98	9.34
23	9.28	8.75	7.83	8.13	8.67	8.76	7.68	8.05	8.20	8.70	8.98	9.35
24	9.29	8.72	7.82	8.15	8.68	8.78	7.68	8.04	8.23	8.72	9.01	9.36
25	9.30	8.70	7.74	8.18	8.69	8.79	7.71	8.00	8.25	8.74	9.03	9.37
26	9.29	8.69	7.69	8.20	8.71	8.80	7.70	7.94	8.26	8.75	9.04	9.39
27	9.28	8.68	7.67	8.21	8.73	8.76	7.70	7.89	8.28	8.77	9.05	9.40
28	9.28	8.66	7.66	8.21	8.74	8.71	7.75	7.85	8.30	8.77	9.06	9.41
29	9.24	8.63	7.64	8.23	8.75	8.67	7.79	7.82	8.32	8.79	9.07	9.42
30	9.18	8.63	7.63	8.25	---	8.64	7.81	7.78	8.34	8.81	9.08	9.44
31	9.06	---	7.65	8.28	---	8.62	---	7.76	---	8.82	9.09	---
MAX	9.72	8.97	8.62	8.28	8.75	8.80	8.60	8.06	8.34	8.82	9.09	9.44
MIN	9.06	8.63	7.63	7.67	8.31	8.57	7.66	7.76	7.73	8.36	8.83	9.11



PENOBSCOT COUNTY

445319068560101 Local number, PEW 456

LOCATION.--Lat 44°53'19", long 68°56'01", Hydrologic Unit 01020005, on Kenduskeag-Levant Road, 2.5 mi south of Kenduskeag, near Kenduskeag-Levant town line, Kenduskeag. Owner: Clarence W. Parker, Jr.

AQUIFER.--Bedrock of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 101 ft, open hole. Measured depth 95 ft, Sept. 9, 2003.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station. Prior to Oct. 1989, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 190 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.16 ft below land-surface datum, which is 1.8 ft above the general land surface. Prior to Dec. 10, 1999, Top of casing, 0.37 ft above land-surface datum.

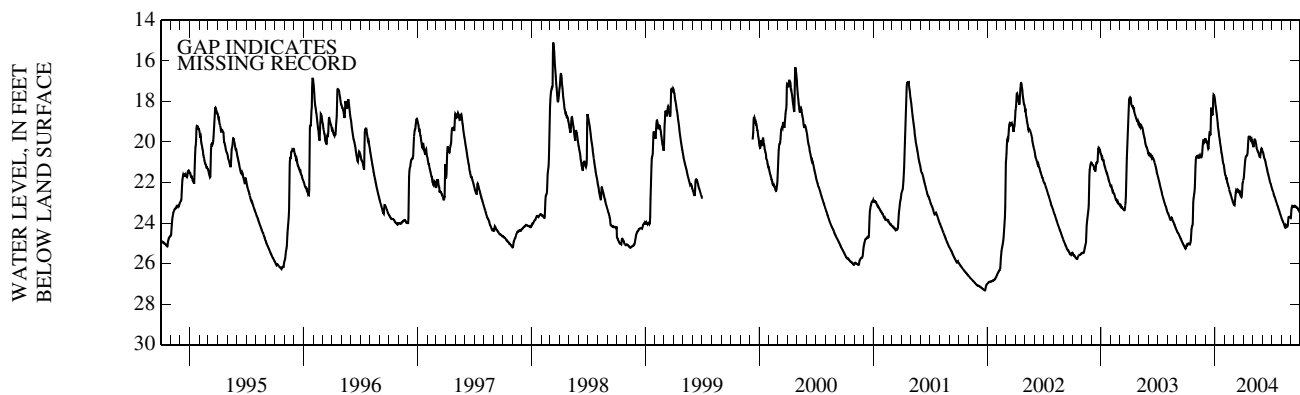
PERIOD OF RECORD.--April 1978 to current year.

REVISED RECORDS.--WDR ME-84-1: 1979, 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.92 ft below land-surface datum, Apr. 26, 1983; lowest recorded, 27.32 ft below land-surface datum, Dec. 24, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.09	20.77	19.82	18.03	21.49	23.09	21.86	20.14	20.43	22.29	23.74	23.40
2	25.08	20.76	19.87	18.18	21.58	23.10	21.77	20.20	20.49	22.33	23.79	23.26
3	25.09	20.73	19.91	18.26	21.64	23.11	21.53	20.25	20.52	22.37	23.83	23.19
4	25.10	20.74	19.93	18.39	21.66	22.99	21.31	20.12	20.61	22.42	23.87	23.17
5	25.07	20.69	20.00	18.52	21.77	22.83	21.14	19.98	20.69	22.47	23.90	23.19
6	25.03	20.68	20.02	18.62	21.81	22.64	20.97	19.89	20.76	22.52	23.94	23.18
7	25.02	20.67	20.02	18.76	21.80	22.49	20.84	19.84	20.80	22.58	23.98	23.18
8	25.01	20.72	20.15	18.92	21.93	22.40	20.76	19.91	20.85	22.63	24.02	23.20
9	25.03	20.76	20.27	19.08	22.00	22.42	20.71	19.92	20.88	22.68	24.07	23.20
10	25.04	20.76	20.33	19.21	22.03	22.45	20.68	20.01	20.96	22.71	24.12	23.16
11	25.05	20.77	20.30	19.34	22.09	22.39	20.69	20.05	21.04	22.75	24.17	23.16
12	25.05	20.77	19.93	19.45	22.17	22.36	20.68	20.16	21.12	22.79	24.22	23.14
13	25.02	20.69	19.69	19.56	22.20	22.38	20.63	20.28	21.19	22.84	24.23	23.15
14	24.96	20.64	19.57	19.72	22.26	22.41	20.49	20.34	21.25	22.89	24.11	23.18
15	24.86	20.68	19.46	19.80	22.35	22.38	20.25	20.38	21.31	22.93	24.08	23.18
16	24.56	20.73	19.64	19.90	22.42	22.41	19.95	20.44	21.40	22.99	24.09	23.18
17	24.33	20.74	19.63	20.06	22.48	22.41	19.78	20.47	21.46	23.04	24.11	23.20
18	24.21	20.75	19.09	20.16	22.50	22.45	19.78	20.48	21.52	23.09	24.14	23.23
19	24.15	20.71	18.35	20.24	22.51	22.52	19.70	20.53	21.57	23.13	24.17	23.24
20	24.13	20.66	18.36	20.38	22.59	22.54	19.76	20.60	21.64	23.17	24.18	23.25
21	24.03	20.45	18.46	20.51	22.63	22.51	19.81	20.64	21.70	23.23	24.13	23.26
22	23.48	20.20	18.56	20.57	22.69	22.60	19.78	20.71	21.76	23.28	23.91	23.27
23	22.98	20.03	18.65	20.66	22.76	22.66	19.83	20.74	21.83	23.32	23.74	23.31
24	22.80	19.93	18.69	20.77	22.80	22.70	19.83	20.75	21.92	23.37	23.70	23.34
25	22.69	19.93	18.36	20.90	22.85	22.72	19.92	20.63	21.97	23.42	23.70	23.35
26	22.56	19.98	17.82	21.00	22.91	22.66	19.90	20.52	22.01	23.46	23.70	23.39
27	22.45	20.03	17.67	21.05	22.95	22.48	19.87	20.42	22.05	23.50	23.69	23.43
28	22.25	20.01	17.69	21.10	23.00	22.22	19.95	20.35	22.11	23.55	23.71	23.44
29	21.83	19.87	17.71	21.17	23.04	22.07	20.04	20.32	22.16	23.59	23.75	23.48
30	21.22	19.87	17.74	21.27	---	21.98	20.08	20.34	22.23	23.64	23.75	23.52
31	20.88	---	17.90	21.37	---	21.91	---	20.38	---	23.69	23.67	---
MAX	25.10	20.77	20.33	21.37	23.04	23.11	21.86	20.75	22.23	23.69	24.23	23.52
MIN	20.88	19.87	17.67	18.03	21.49	21.91	19.70	19.84	20.43	22.29	23.67	23.14



PENOBSCOT COUNTY—Continued

453629068531801 Local number, PEW 594

LOCATION.--Lat 45°36'29", long 68°53'18", Hydrologic Unit 01020001, on abandoned dirt road, about 8.0 miles southwest of Millinocket, about 0.4 miles south of South Twin Lake and east of Sandy Brook, T4 Indian Purchase. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (ice-contact deposits) of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 30.5 ft., screened depth 10.5 to 30.5 ft, screen slot size 0.008 in.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station.

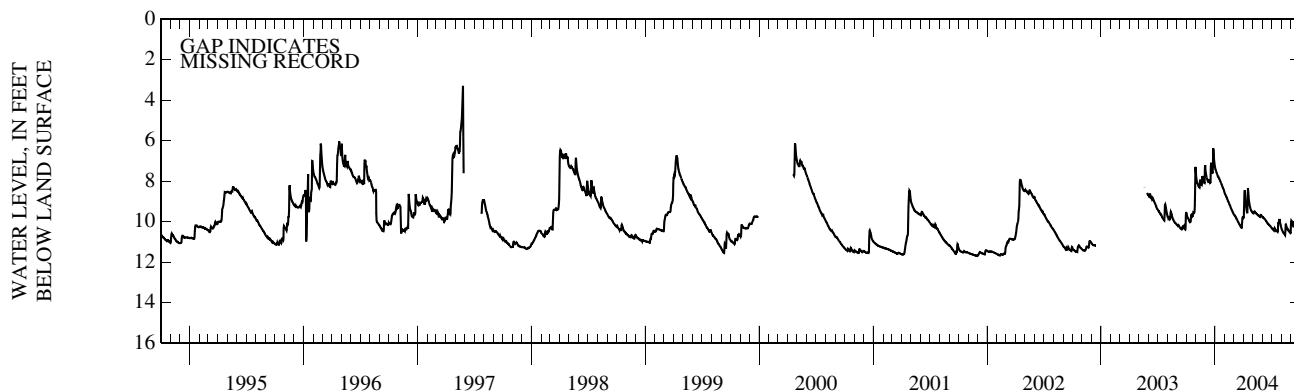
DATUM.--Elevation of land-surface datum is 520 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.00 ft above land-surface datum. Prior to Sept. 17, 2003, top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.-- August 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.30 ft below land-surface datum, May 26, 1997; lowest recorded, 11.69 ft below land-surface datum, Nov. 30, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.58	7.74	7.40	7.35	8.59	9.64	9.81	9.57	9.78	10.33	10.33	9.95
2	9.65	7.89	7.56	7.42	8.63	9.66	9.78	9.58	9.79	10.34	10.37	9.97
3	9.71	7.98	7.67	7.45	8.66	9.69	9.16	9.59	9.78	10.35	10.42	10.01
4	9.76	8.07	7.75	7.50	8.69	9.69	8.60	9.54	9.81	10.37	10.45	10.07
5	9.78	8.09	7.82	7.55	8.74	9.72	8.45	9.50	9.83	10.39	10.49	10.12
6	9.81	8.14	7.87	7.58	8.77	9.73	8.63	9.49	9.84	10.41	10.53	10.16
7	9.84	8.17	7.90	7.63	8.79	9.77	8.90	9.51	9.85	10.43	10.55	10.19
8	9.88	8.22	7.97	7.68	8.85	9.80	9.08	9.53	9.86	10.45	10.57	10.23
9	9.92	8.26	8.01	7.73	8.88	9.83	9.21	9.54	9.88	10.41	10.59	10.23
10	9.95	8.28	8.04	7.76	8.91	9.87	9.33	9.57	9.91	10.32	10.62	10.12
11	9.98	8.30	8.03	7.79	8.96	9.89	9.44	9.58	9.93	10.34	10.64	10.04
12	10.01	8.31	7.93	7.81	9.00	9.91	9.53	9.59	9.96	10.39	10.66	10.03
13	9.97	8.14	7.98	7.83	9.02	9.95	9.58	9.61	9.98	10.43	10.45	10.06
14	9.98	7.93	8.01	7.87	9.06	9.98	8.82	9.62	10.00	10.46	10.14	10.09
15	9.90	8.01	7.99	7.89	9.11	10.00	8.34	9.64	10.02	10.45	10.13	10.12
16	9.67	8.08	8.08	7.92	9.15	10.04	8.51	9.66	10.05	10.44	10.18	10.14
17	9.65	8.13	8.06	7.98	9.18	10.06	8.72	9.68	10.07	10.46	10.23	10.17
18	9.67	8.17	7.27	8.00	9.21	10.10	8.90	9.68	10.10	10.48	10.29	10.19
19	9.71	8.18	7.09	8.04	9.24	10.13	9.00	9.69	10.10	10.50	10.34	10.19
20	9.74	8.05	7.28	8.09	9.29	10.15	9.12	9.71	10.11	10.42	10.38	10.21
21	9.72	7.74	7.41	8.14	9.32	10.18	9.20	9.72	10.13	10.06	10.40	10.22
22	9.60	7.81	7.51	8.16	9.36	10.21	9.26	9.74	10.16	10.04	10.38	10.24
23	9.54	7.88	7.58	8.20	9.40	10.24	9.33	9.76	10.17	10.10	10.41	10.26
24	9.56	7.92	7.62	8.24	9.43	10.27	9.37	9.77	10.19	9.98	10.45	10.27
25	9.57	7.98	7.28	8.30	9.47	10.30	9.43	9.71	10.21	9.87	10.47	10.27
26	9.57	8.03	6.37	8.34	9.51	10.30	9.45	9.66	10.22	9.93	10.49	10.29
27	9.53	8.08	6.52	8.36	9.54	10.09	9.48	9.66	10.24	10.01	10.51	10.30
28	9.19	8.09	6.82	8.39	9.57	9.87	9.51	9.68	10.26	10.08	10.54	10.31
29	8.56	7.31	7.01	8.44	9.60	9.80	9.53	9.70	10.29	10.15	10.56	10.32
30	7.29	7.21	7.13	8.48	---	9.79	9.55	9.73	10.31	10.22	10.55	10.32
31	7.49	---	7.26	8.54	---	9.78	---	9.76	---	10.28	10.11	---
MAX	10.01	8.31	8.08	8.54	9.60	10.30	9.81	9.77	10.31	10.50	10.66	10.32
MIN	7.29	7.21	6.37	7.35	8.59	9.64	8.34	9.49	9.78	9.87	10.11	9.95



SOMERSET COUNTY

445148069513301 Local number, SMW 61

LOCATION.--Lat 44°51'48", long 69°51'33", Hydrologic Unit 01030003, approximately 3.0 mi northeast of Madison. Owner: U.S. Geological Survey.

AQUIFER.--Glaciomarine sand and silt of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in, Sept. 1984 measured depth 40 ft, screened depth 35 to 40 ft, screen slot size 0.010 in.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station. Prior to Dec. 1999, monthly measurements were published.

DATUM.--Elevation of land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 0.72 ft above land-surface datum. Prior to Dec. 1999, Top of casing, 3.50 ft above land-surface datum.

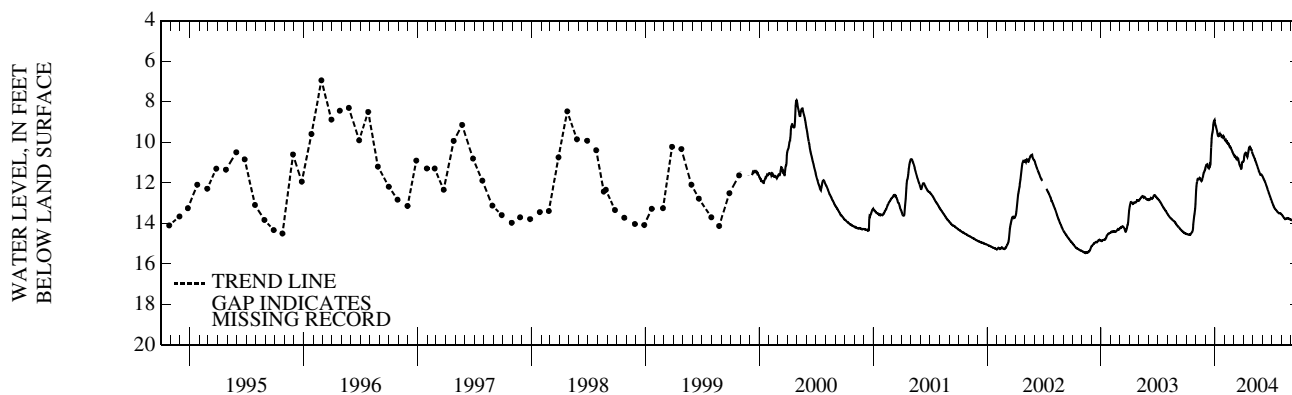
PERIOD OF RECORD.--January 1985 to November 1985, October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.94 ft below land-surface datum, Feb. 27, 1996; lowest measured, 15.45 ft below land-surface datum, Nov. 12, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.52	12.37	11.26	9.10	9.86	10.63	10.95	10.59	11.67	12.92	13.55	13.82
2	14.52	12.16	11.21	9.16	9.90	10.64	10.91	10.63	11.70	12.96	13.57	13.83
3	14.53	12.02	11.17	9.20	9.90	10.68	10.73	10.67	11.74	13.01	13.59	13.84
4	14.54	11.94	11.12	9.25	9.88	10.72	10.63	10.71	11.78	13.05	13.61	13.84
5	14.54	11.86	11.10	9.31	9.95	10.73	10.57	10.75	11.81	13.09	13.64	13.86
6	14.54	11.82	11.09	9.37	9.95	10.71	10.54	10.78	11.85	m13.12	13.66	13.87
7	14.54	11.79	11.08	9.45	9.90	10.75	10.53	10.81	11.87	13.17	13.69	13.87
8	14.54	11.80	11.16	9.54	9.99	10.77	10.51	10.86	11.91	13.20	13.71	13.88
9	14.54	11.82	11.23	9.62	10.02	10.80	10.54	10.88	11.94	13.22	13.73	13.88
10	14.56	11.82	11.26	9.67	10.02	10.83	10.58	10.93	11.98	13.25	13.75	13.88
11	14.57	11.82	11.23	9.68	10.05	10.82	10.64	10.96	12.03	13.28	13.77	13.89
12	14.57	11.81	11.24	9.66	10.08	10.79	10.69	11.01	12.08	13.30	13.79	13.89
13	14.55	11.76	11.27	9.63	10.08	10.84	10.72	11.07	12.13	13.32	13.79	13.89
14	14.55	11.78	11.23	9.64	10.10	10.82	10.65	11.11	12.16	13.33	13.78	13.91
15	14.52	11.81	11.10	9.59	10.16	10.82	10.57	11.15	12.20	13.35	13.78	13.91
16	14.48	11.86	11.12	9.57	10.20	10.90	10.49	11.20	12.26	13.37	13.76	13.91
17	14.46	11.89	11.06	9.63	10.23	10.95	10.41	11.26	12.30	13.39	13.75	13.91
18	14.44	11.91	10.72	9.61	10.23	11.02	10.34	11.30	12.35	13.42	13.75	13.92
19	14.43	11.89	10.26	9.61	10.22	11.09	10.26	11.34	12.38	13.43	13.76	13.93
20	14.41	11.86	10.00	9.66	10.27	11.13	10.24	11.39	12.43	13.45	13.75	13.94
21	14.36	11.80	9.81	9.70	10.29	11.15	10.25	11.43	12.47	13.47	13.74	13.95
22	14.22	11.76	9.66	9.66	10.33	11.18	10.23	11.48	12.51	13.48	13.75	13.95
23	14.05	11.69	9.56	9.68	10.37	11.25	10.27	11.52	12.57	13.50	13.75	13.97
24	13.89	11.59	9.48	9.70	10.40	11.30	10.28	11.56	12.62	13.50	13.76	13.98
25	13.76	11.52	9.37	9.75	10.44	11.30	10.35	11.60	12.66	13.49	13.78	13.99
26	13.64	11.48	9.15	9.77	10.48	11.22	10.36	11.60	12.70	13.49	13.79	14.00
27	13.54	11.46	9.04	9.74	10.52	11.02	10.37	11.60	12.74	13.49	13.79	14.01
28	13.41	11.42	8.97	9.70	10.56	10.95	10.45	11.59	12.79	13.50	13.79	14.02
29	13.28	11.35	8.92	9.73	10.58	10.98	10.51	11.60	12.83	13.51	13.80	14.03
30	13.04	11.33	8.90	9.76	---	10.98	10.55	11.62	12.88	13.53	13.81	14.04
31	12.70	---	9.01	9.80	---	10.96	---	11.64	---	13.54	13.82	---
MAX	14.57	12.37	11.27	9.80	10.58	11.30	10.95	11.64	12.88	13.54	13.82	14.04
MIN	12.70	11.33	8.90	9.10	9.86	10.63	10.23	10.59	11.67	12.92	13.55	13.82

m Measured



WALDO COUNTY

442822069081301 Local number, WOW 85

LOCATION.--Lat 44°28'22", long 69°08'13", Hydrologic Unit 01050002, about 2.25 mi northeast of Morrill. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 27 ft; screened depth 17 to 22 ft, screen slot size 0.008 in; screened depth 22 to 27 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station.

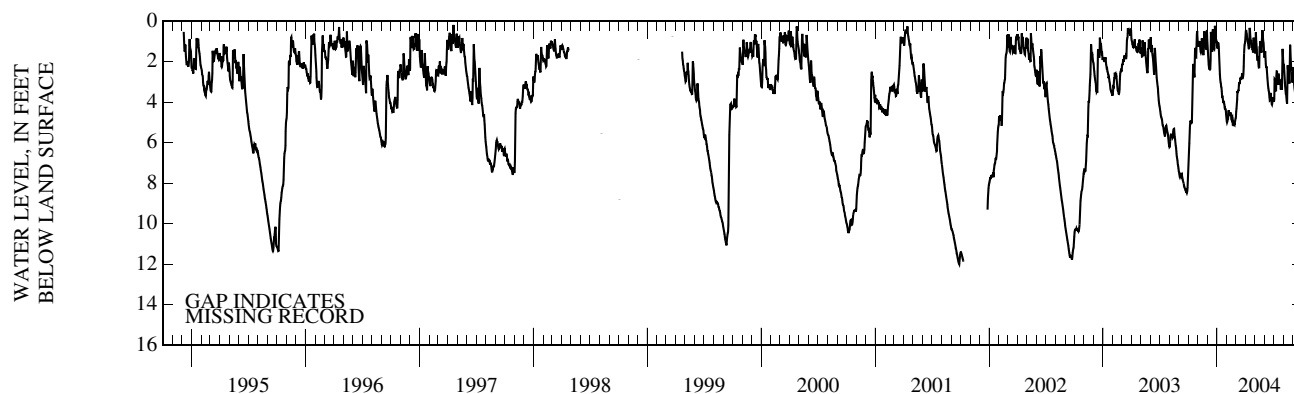
DATUM.--Elevation of land-surface datum is 334 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.06 ft above land-surface datum.

PERIOD OF RECORD.--November 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.05 ft below land-surface datum, Nov. 20, 1990; lowest recorded, 11.99 ft below land-surface datum, Sept. 26, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.68	1.15	1.05	1.22	4.94	4.75	0.76	1.48	1.81	3.99	2.23	2.27
2	6.40	1.26	1.33	1.36	5.01	4.46	0.51	1.59	1.75	3.84	2.11	2.65
3	6.27	1.15	1.63	1.31	4.97	4.31	0.44	1.44	1.49	2.86	2.47	2.83
4	6.04	1.12	1.89	1.05	4.83	4.09	0.56	0.56	1.81	2.88	2.74	3.10
5	5.56	1.07	2.14	1.10	4.82	3.86	0.60	0.98	2.10	3.05	3.00	3.31
6	5.17	0.99	2.29	1.24	4.62	3.45	0.83	1.20	2.30	3.11	3.23	3.41
7	4.99	1.16	2.27	1.53	4.39	3.54	0.91	1.39	2.23	3.32	3.41	3.54
8	4.91	1.37	2.38	1.91	4.65	3.40	1.00	1.69	2.35	3.47	3.59	3.71
9	4.98	1.52	2.39	2.30	4.64	3.45	1.08	1.78	2.55	2.71	3.62	3.58
10	5.02	1.57	2.37	2.61	4.52	3.41	1.19	1.96	2.80	2.48	3.81	2.60
11	5.03	1.55	1.93	2.86	4.56	3.16	1.33	1.72	2.99	2.49	3.97	2.77
12	5.00	1.36	0.54	3.00	4.64	3.03	1.39	1.98	3.20	2.81	4.08	2.97
13	4.58	0.86	0.91	3.07	4.51	3.08	1.08	2.24	3.32	3.07	3.40	3.22
14	4.02	0.96	1.26	3.23	4.57	3.05	0.34	2.29	3.43	3.13	2.18	3.44
15	3.04	1.32	1.21	3.29	4.78	2.85	0.42	2.33	3.51	2.65	2.36	3.56
16	2.11	1.52	1.51	3.47	4.86	2.83	0.75	1.30	3.67	2.65	2.42	3.68
17	2.30	1.62	1.33	3.73	4.89	2.76	0.93	1.26	3.77	2.92	2.45	3.81
18	2.43	1.68	0.41	3.73	4.78	2.82	1.11	1.35	3.91	3.14	2.71	3.36
19	2.62	1.53	0.72	3.80	4.76	2.88	0.93	0.99	3.90	3.05	2.92	2.27
20	2.78	0.94	0.99	3.95	5.01	2.76	1.16	1.32	3.55	2.96	3.08	2.48
21	2.14	0.51	1.20	4.04	4.99	2.56	1.32	1.46	3.65	2.94	2.43	2.74
22	1.32	0.91	1.36	3.94	5.10	2.73	1.24	1.57	3.86	3.18	1.17	2.91
23	1.39	1.11	1.38	4.03	5.18	2.72	1.36	1.00	3.92	3.38	1.49	3.16
24	1.58	1.16	1.21	4.12	5.11	2.74	1.35	0.68	4.09	3.20	1.89	3.33
25	1.78	1.19	0.23	4.28	5.08	2.62	1.55	0.45	4.12	2.92	2.23	3.44
26	1.79	1.32	0.47	4.37	5.11	2.25	1.23	0.72	4.02	3.16	2.48	3.59
27	1.21	1.41	0.85	4.32	4.99	1.61	0.82	0.89	3.75	3.40	2.67	3.71
28	0.67	1.30	1.00	4.36	4.90	1.32	0.97	0.99	3.85	1.93	2.87	3.79
29	0.49	0.44	1.03	4.49	4.81	1.19	1.24	1.05	3.97	1.37	2.99	3.89
30	0.85	0.93	0.99	4.61	---	1.12	1.34	1.37	3.89	1.72	3.04	3.99
31	1.07	---	1.06	4.77	---	1.03	---	1.64	---	2.03	2.47	---
MAX	6.68	1.68	2.39	4.77	5.18	4.75	1.55	2.33	4.12	3.99	4.08	3.99
MIN	0.49	0.44	0.23	1.05	4.39	1.03	0.34	0.45	1.49	1.37	1.17	2.27



WASHINGTON COUNTY

450713067162801 Local number, WW 796

LOCATION.--Lat 45°07'13", long 67°16'28", Hydrologic Unit 01050001, in Calais, on Charlotte Road, about 2.25 mi south of U.S. Route 1. Owner: U.S. Government (Moosehorn National Wildlife Refuge).

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., Sept. 1967 reported depth 150 ft, cased with steel to 21 ft, open hole, Nov. 1982 measured depth 146 ft.

INSTRUMENTATION.--Electronic water level recorder. Satellite telemeter at station. Prior to Dec. 1999, monthly measurements were published.

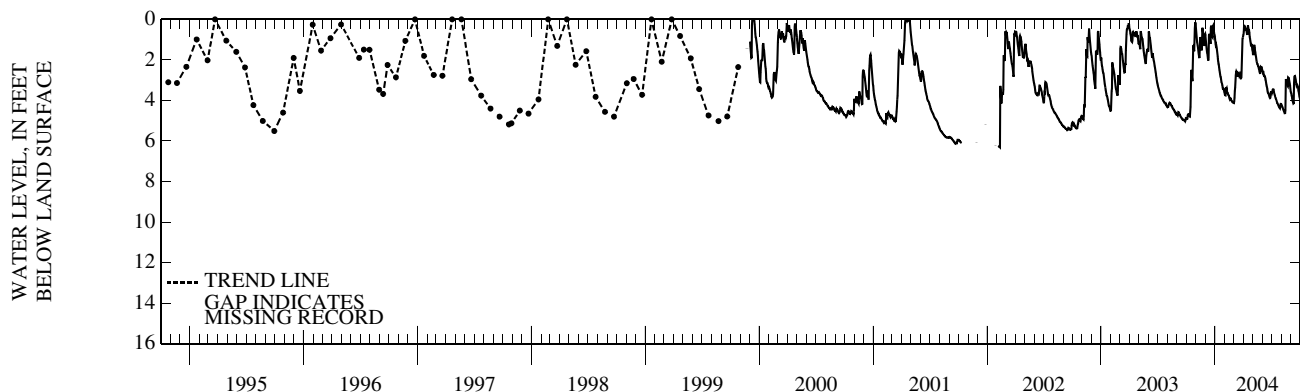
DATUM.--Elevation of land-surface datum is 130 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, at land-surface datum, which is 0.8 ft above the general land surface.

PERIOD OF RECORD.--September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, overflowed in 1981, 1982, 1983, 1984, 1997, 1998, 1999, 2000, and 2001; lowest recorded, 6.31 ft below land-surface datum, Feb. 6 and 10, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.90	0.63	0.79	1.00	3.68	4.13	0.77	1.64	2.57	3.66	4.21	3.66
2	4.89	0.82	0.97	1.16	3.74	4.05	0.60	1.72	2.61	3.61	4.25	3.76
3	4.90	0.98	1.15	1.27	3.75	3.87	0.27	1.76	2.55	3.49	4.28	3.81
4	4.90	1.12	1.31	1.24	3.41	3.53	0.31	1.33	2.64	3.46	4.32	3.89
5	4.76	1.21	1.47	1.33	3.34	3.36	0.37	1.25	2.73	3.45	4.37	3.99
6	4.69	1.30	1.60	1.43	3.44	3.06	0.49	1.31	2.80	3.46	4.42	4.04
7	4.68	1.42	1.67	1.55	3.42	2.75	0.48	1.39	2.81	3.53	4.46	4.08
8	4.68	1.56	1.81	1.68	3.55	2.59	0.45	1.54	2.80	3.60	4.51	4.15
9	4.73	1.70	1.94	1.83	3.64	2.56	0.50	1.63	2.84	3.65	4.54	4.13
10	4.77	1.79	2.04	1.96	3.63	2.60	0.53	1.75	2.92	3.71	4.58	3.15
11	4.79	1.88	1.91	2.08	3.67	2.59	0.62	1.83	3.01	3.77	4.62	2.84
12	4.80	1.91	0.80	2.17	3.73	2.60	0.72	1.95	3.12	3.83	4.66	2.81
13	4.55	1.37	0.71	2.25	3.74	2.74	0.76	2.06	3.21	3.88	4.48	2.80
14	4.32	0.87	0.82	2.39	3.77	2.82	0.53	2.12	3.29	3.92	3.25	2.88
15	3.51	0.95	0.88	2.50	3.84	2.74	0.30	2.18	3.35	3.95	2.95	2.95
16	2.49	1.13	1.11	2.60	3.90	2.67	0.41	2.20	3.45	4.00	3.00	3.05
17	2.64	1.28	1.21	2.72	3.94	2.66	0.46	2.26	3.52	4.06	3.01	3.15
18	2.79	1.43	0.42	2.81	3.91	2.74	0.55	2.31	3.59	4.12	3.08	3.26
19	2.92	1.53	0.31	2.85	3.87	2.81	0.55	2.33	3.63	4.14	3.18	3.21
20	3.05	1.18	0.45	2.96	3.94	2.78	0.67	2.43	3.65	4.18	3.28	3.22
21	2.37	0.42	0.62	3.08	3.96	2.75	0.86	2.48	3.70	4.22	3.31	3.25
22	1.69	0.51	0.75	3.12	3.98	2.84	0.95	2.57	3.74	4.25	2.86	3.31
23	1.30	0.64	0.87	3.17	4.02	2.91	1.07	2.62	3.79	4.28	2.88	3.41
24	1.29	0.77	0.89	3.25	4.04	2.91	1.16	2.69	3.85	4.32	2.90	3.50
25	1.47	0.91	0.34	3.36	4.05	2.87	1.29	2.44	3.88	4.35	2.98	3.56
26	1.58	1.08	0.31	3.44	4.09	2.36	1.31	2.33	3.86	4.36	3.08	3.66
27	1.14	1.22	0.47	3.44	4.09	1.71	1.21	2.35	3.63	4.39	3.16	3.77
28	0.43	1.32	0.60	3.44	4.11	1.18	1.33	2.35	3.58	4.31	3.26	3.84
29	0.21	0.76	0.68	3.46	4.12	0.96	1.48	2.36	3.58	4.18	3.43	3.93
30	0.15	0.73	0.74	3.52	---	0.89	1.55	2.42	3.61	4.17	3.56	4.01
31	0.42	---	0.84	3.59	---	0.83	---	2.50	---	4.18	3.59	---
MAX	4.90	1.91	2.04	3.59	4.12	4.13	1.55	2.69	3.88	4.39	4.66	4.15
MIN	0.15	0.42	0.31	1.00	3.34	0.83	0.27	1.25	2.55	3.45	2.86	2.80



WASHINGTON COUNTY—Continued

445227067520101 Local number, WW 797

LOCATION.--Lat 44°52'27", long 67°52'01", Hydrologic Unit 01050002, about 0.35 mi south of State Route 9 in Township T24MD, Hadley Lakes. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--A wash-bored unconfined observation well, diameter 2 in., Sept. 1985 measured depth 30 ft, screened depth 25 to 30 ft, screen slot size 0.008 in.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station. Prior to Oct. 1989, daily mean data were published every fifth day.

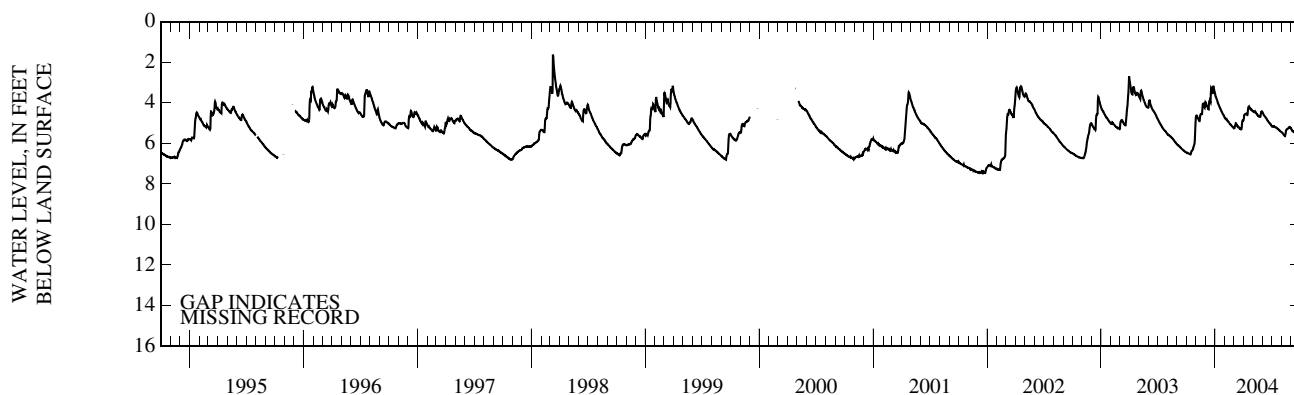
DATUM.--Elevation of land-surface datum is 250 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: V-notch on top of casing, north side of shelter, which is 3.42 ft above land-surface datum.

PERIOD OF RECORD.--September 1985 to current year. Records prior to October 1985 have not been published, but are available in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.63 ft below land-surface datum, Mar. 10, 1998; lowest recorded, 7.46 ft below land-surface datum, Dec. 16, 19, 21-23, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.45	4.65	3.96	3.58	4.73	5.26	4.87	4.42	4.46	5.16	5.44	5.29
2	6.46	4.62	3.99	3.65	4.76	5.26	4.82	4.43	4.50	5.16	5.46	5.33
3	6.47	4.63	4.03	3.70	4.78	5.25	4.64	4.44	4.53	5.17	5.47	5.34
4	6.48	4.67	4.08	3.73	4.78	5.16	4.59	4.44	4.57	5.17	5.49	5.36
5	6.47	4.69	4.13	3.78	4.81	5.14	4.57	4.45	4.60	5.17	5.51	5.39
6	6.48	4.73	4.16	3.82	4.83	5.09	4.57	4.44	4.62	5.16	5.53	5.40
7	6.49	4.76	4.17	3.86	4.81	5.02	4.56	4.43	4.64	5.17	5.56	5.41
8	6.50	4.80	4.23	3.91	4.85	5.02	4.55	4.46	4.66	5.17	5.58	5.43
9	6.51	4.84	4.28	3.96	4.88	5.06	4.53	4.46	4.68	5.17	5.60	5.44
10	6.52	4.87	4.32	4.01	4.89	5.10	4.53	4.48	4.70	5.18	5.62	5.43
11	6.52	4.88	4.32	4.05	4.91	5.11	4.56	4.49	4.72	5.19	5.64	5.46
12	6.53	4.89	4.06	4.08	4.94	5.12	4.59	4.51	4.75	5.21	5.65	5.46
13	6.54	4.82	3.95	4.11	4.95	5.16	4.60	4.54	4.78	5.21	5.59	5.47
14	6.55	4.65	3.91	4.16	4.96	5.19	4.54	4.56	4.80	5.21	5.49	5.49
15	6.52	4.59	3.88	4.19	5.00	5.18	4.36	4.57	4.82	5.22	5.40	5.50
16	6.44	4.56	3.97	4.22	5.02	5.20	4.24	4.61	4.85	5.23	5.36	5.51
17	6.40	4.56	4.00	4.26	5.05	5.21	4.19	4.64	4.87	5.25	5.32	5.52
18	6.37	4.57	3.51	4.30	5.05	5.23	4.19	4.64	4.89	5.27	5.31	5.53
19	6.35	4.57	3.25	4.32	5.05	5.26	4.17	4.65	4.91	5.27	5.30	5.54
20	6.34	4.56	3.28	4.36	5.08	5.27	4.21	4.67	4.93	5.29	5.29	5.54
21	6.32	4.30	3.36	4.41	5.09	5.26	4.26	4.67	4.95	5.30	5.29	5.55
22	6.28	4.10	3.44	4.44	5.11	5.29	4.26	4.68	4.97	5.32	5.27	5.55
23	6.23	4.05	3.51	4.46	5.14	5.30	4.29	4.68	4.99	5.32	5.24	5.56
24	6.18	4.05	3.56	4.50	5.15	5.32	4.29	4.69	5.02	5.34	5.22	5.57
25	6.14	4.08	3.31	4.54	5.17	5.30	4.33	4.68	5.03	5.36	5.21	5.57
26	6.09	4.16	3.16	4.58	5.19	5.22	4.34	4.57	5.04	5.37	5.20	5.58
27	6.04	4.21	3.20	4.59	5.20	5.02	4.34	4.49	5.06	5.39	5.20	5.60
28	5.82	4.24	3.30	4.60	5.22	4.91	4.37	4.44	5.08	5.40	5.20	5.60
29	5.51	4.12	3.37	4.62	5.24	4.88	4.40	4.42	5.11	5.41	5.23	5.61
30	5.05	4.00	3.42	4.65	---	4.87	4.41	4.42	5.14	5.43	5.25	5.62
31	4.75	---	3.50	4.69	---	4.87	---	4.44	---	5.44	5.26	---
MAX	6.55	4.89	4.32	4.69	5.24	5.32	4.87	4.69	5.14	5.44	5.65	5.62
MIN	4.75	4.00	3.16	3.58	4.73	4.87	4.17	4.42	4.46	5.16	5.20	5.29



YORK COUNTY

432310070393301 Local number, YW 807

LOCATION.--Lat 43°23'10", long 70°39'33", Hydrologic Unit 01060003, about 4.5 mi southeast of South Sanford. Owner: U.S. Geological Survey.

AQUIFER.--Ice-contact glaciofluvial deposits of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., measured depth 39 ft, screened depth 34 to 39 feet, screen slot size 0.010 in.

INSTRUMENTATION.--Electronic water-level recorder. Satellite telemeter at station. Prior to Oct. 1989, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 202 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.90 ft above land-surface datum.

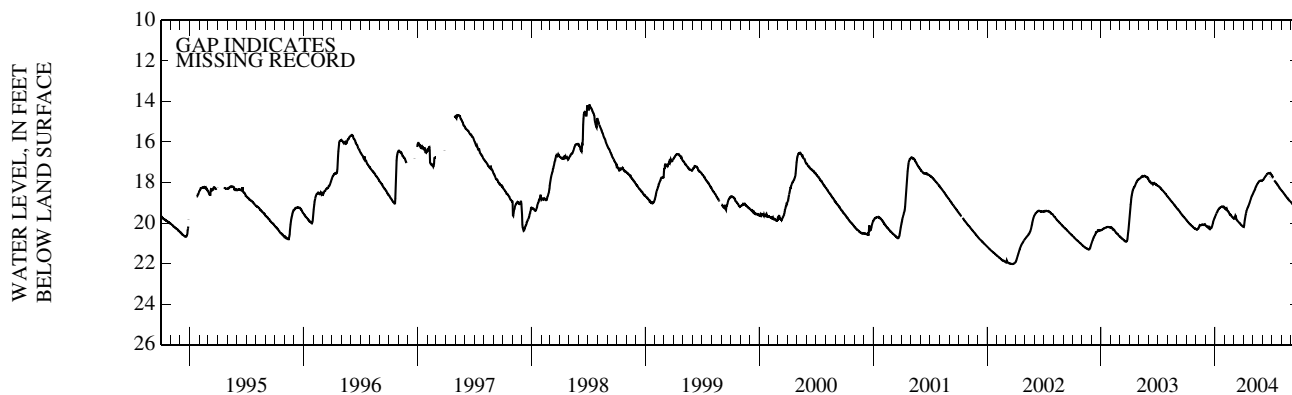
REMARKS.--Missing record, July 7-8.

PERIOD OF RECORD.--July 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.18 ft below land-surface datum, July 5 and 6, 1998; lowest recorded, 22.02 ft below land-surface datum, Mar. 21-25, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.85	20.30	20.10	19.70	19.28	19.79	20.18	18.57	17.89	17.66	18.39	18.99
2	19.87	20.31	20.12	19.65	19.30	19.78	20.19	18.53	17.88	17.67	18.41	19.01
3	19.89	20.31	20.14	19.61	19.30	19.78	20.12	18.49	17.87	17.70	18.43	19.02
4	19.90	20.32	20.15	19.57	19.29	19.70	19.99	18.46	17.85	17.74	18.45	19.04
5	19.92	20.30	20.16	19.53	19.33	19.69	19.87	18.43	17.83	17.75	18.47	19.06
6	19.94	20.29	20.16	19.50	19.32	19.63	19.76	18.40	17.80	17.76	18.49	19.08
7	19.96	20.27	20.16	19.46	19.29	19.67	19.66	18.36	17.77	---	18.51	19.09
8	19.98	20.26	20.19	19.43	19.36	19.74	19.58	18.33	17.74	---	18.53	19.11
9	20.00	20.25	20.22	19.41	19.38	19.80	19.51	18.29	17.71	17.89	18.55	19.11
10	20.02	20.21	20.23	19.38	19.38	19.84	19.45	18.25	17.70	17.91	18.57	19.13
11	20.04	20.18	20.21	19.35	19.41	19.85	19.39	18.21	17.67	17.95	18.60	19.16
12	20.05	20.15	20.24	19.32	19.44	19.86	19.35	18.18	17.66	17.97	18.62	19.17
13	20.07	20.10	20.27	19.30	19.45	19.90	19.29	18.15	17.63	17.99	18.63	19.19
14	20.09	20.11	20.27	19.29	19.47	19.92	19.24	18.11	17.61	17.99	18.66	19.21
15	20.08	20.11	20.23	19.26	19.52	19.93	19.22	18.07	17.59	18.01	18.68	19.21
16	20.11	20.11	20.28	19.25	19.55	19.95	19.19	18.06	17.59	18.04	18.70	19.23
17	20.13	20.10	20.25	19.24	19.57	19.96	19.15	18.04	17.57	18.07	18.72	19.24
18	20.14	20.11	20.25	19.22	19.57	19.98	19.13	18.00	17.55	18.09	18.73	19.26
19	20.16	20.08	20.25	19.21	19.57	20.00	19.07	17.98	17.54	18.10	18.75	19.28
20	20.17	20.07	20.24	19.21	19.61	20.01	19.04	17.96	17.54	18.13	18.77	19.29
21	20.17	20.08	20.22	19.20	19.61	20.02	19.00	17.94	17.53	18.16	18.79	19.30
22	20.19	20.09	20.18	19.19	19.64	20.05	18.94	17.93	17.53	18.18	18.81	19.31
23	20.20	20.09	20.14	19.19	19.67	20.07	18.90	17.92	17.54	18.20	18.83	19.33
24	20.22	20.08	20.08	19.19	19.68	20.09	18.84	17.92	17.56	18.23	18.85	19.34
25	20.25	20.08	20.00	19.21	19.70	20.10	18.80	17.92	17.55	18.26	18.88	19.35
26	20.25	20.09	19.93	19.22	19.72	20.11	18.74	17.90	17.54	18.27	18.89	19.37
27	20.25	20.09	19.89	19.20	19.73	20.13	18.70	17.90	17.57	18.29	18.90	19.38
28	20.27	20.07	19.85	19.18	19.75	20.15	18.67	17.90	17.59	18.31	18.92	19.38
29	20.27	20.06	19.80	19.20	19.76	20.16	18.64	17.92	17.61	18.33	18.94	19.40
30	20.29	20.09	19.76	19.20	---	20.17	18.60	17.92	17.63	18.36	18.95	19.41
31	20.30	---	19.73	19.23	---	20.18	---	17.90	---	18.37	18.97	---
MAX	20.30	20.32	20.28	19.70	19.76	20.18	20.19	18.57	17.89	---	18.97	19.41
MIN	19.85	20.06	19.73	19.18	19.28	19.63	18.60	17.90	17.53	---	18.39	18.99



CUMBERLAND COUNTY

Water-quality data from the Windham aquifer, Windham, Maine, Water Year October 2003 to September 2004

Samples were collected at 20 wells in the Windham sand and gravel aquifer as part of an ongoing cooperative monitoring program with the town of Windham. The ground water well CW 1983, station number 435039070261101, is equipped with an electronic water-level recorder that collects water level data. Those data are presented in the preceding section, Ground-Water Records.

PERIOD OF RECORD.--CHEMICAL ANALYSES: 2003 to current year. Water year 1996, published in OFR 98-265; Water year 1998, published in WRIR 00-4048 and OFR 02-145; Water years 2000, 2001, published in OFR 02-145. All wells were sampled following USGS protocols as described in the Explanation of the records section in this report. Low-flow sampling procedures were used. The flow rates ranged from 0.11 to 0.79 gallons per minute and the pumping period from 27 to 48 minutes.

MULTIPLE STATION ANALYSES

Station number	Local ID	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unfltrd uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Sodium, water, fltrd, mg/L (00930)	Chlor-ide, water, fltrd, mg/L (00940)
434955070261401	2026	09-08-04	1330	22.5	10.10	758	10.2	105	5.6	330	16.4	33.5	65.8
435002070255601	1990	09-01-04	1000	80	27.10	756	.2	2	7.4	320	11.2	18.1	44.6
435002070255701	1971	09-01-04	0840	22	14.24	756	3.2	29	5.7	43	11.0	3.02	3.33
435004070262101	2012	09-08-04	1200	27	15.09	757	.3	3	6.8	601	12.7	36.8	101
435008070253901	1979	09-09-04	1350	109	38.12	752	5.9	54	6.8	322	10.9	25.5	52.9
435008070253902	2005	09-09-04	1545	48	35.85	752	9.9	91	5.8	254	11.2	28.6	48.1
435008070262901	1992	09-01-04	1200	54	12.61	752	3.9	36	5.8	114	11.4	11.7	20.8
435008070262902	1993	09-01-04	1305	27	9.09	752	3.6	32	5.8	122	9.5	12.1	21.7
435014070264901	2011	09-02-04	1545	27	12.29	758	10.6	98	5.7	198	11.5	30.0	50.3
435018070263201	2010	09-01-04	1445	32	15.22	751	6.7	66	5.6	513	13.9	64.2	132
435022070255401	2025	09-02-04	1145	55	33.16	757	.7	6	6.8	271	10.8	22.8	46.6
435026070264101	1999	09-09-04	1100	80	20.51	756	1.3	12	8.5	120	13.2	6.60	7.52
435026070264102	2009	09-09-04	1000	22	12.75	757	3.0	29	5.4	466	12.9	60.6	99.8
435039070261101	1983	09-02-04	1350	37.6	16.04	758	5.0	45	6.4	147	10.1	5.89	28.3
435040070264501	2007	09-03-04	0845	24	9.05	760	8.9	79	5.6	632	10.1	91.2	166
435041070262301	2000	09-02-04	0855	70	26.89	760	.4	4	6.9	369	10.3	24.4	64.3
435055070263601	1985	09-03-04	0950	25.7	3.74	760	.5	4	6.1	112	9.8	7.27	15.1
435056070263701	1984	09-03-04	1110	132	3.53	757	5.6	49	6.8	153	9.4	6.61	9.09
435131070261401	2001	09-08-04	0855	127	14.53	758	.3	3	7.6	168	14.8	17.3	2.00
435131070261402	2008	09-08-04	1010	27	13.13	758	8.4	74	5.6	39	9.3	3.84	5.03
Station number	Local ID	Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)						
434955070261401	2026	09-08-04	<.04	10.6	<.008	<.02	<.004						
435002070255601	1990	09-01-04	E.03	<.06	E.006	<.02	.010						
435002070255701	1971	09-01-04	<.04	.22	<.008	E.01	.018						
435004070262101	2012	09-08-04	<.04	3.71	<.008	<.02	.005						
435008070253901	1979	09-09-04	<.04	2.91	<.008	<.02	.005						
435008070253902	2005	09-09-04	<.04	5.59	<.008	<.02	.004						
435008070262901	1992	09-01-04	<.04	1.44	<.008	<.02	<.004						
435008070262902	1993	09-01-04	<.04	1.48	<.008	<.02	<.004						
435014070264901	2011	09-02-04	<.04	1.28	<.008	<.02	<.004						
435018070263201	2010	09-01-04	<.04	2.10	<.008	<.02	<.004						
435022070255401	2025	09-02-04	<.04	.07	<.008	<.02	.008						
435026070264101	1999	09-09-04	<.04	.16	<.008	.03	.041						
435026070264102	2009	09-09-04	2.83	11.0	.025	<.02	.009						
435039070261101	1983	09-02-04	<.04	.84	<.008	<.02	E.003						
435040070264501	2007	09-03-04	<.04	3.49	<.008	<.02	.006						
435041070262301	2000	09-02-04	<.04	4.63	.018	<.02	.010						
435055070263601	1985	09-03-04	<.04	<.06	<.008	<.02	E.003						
435056070263701	1984	09-03-04	<.04	1.14	<.008	<.02	.005						
435131070261401	2001	09-08-04	E.03	<.06	<.008	.04	.059						
435131070261402	2008	09-08-04	<.04	.38	<.008	<.02	<.004						

Remark codes used in this table:

< -- Less than
E -- Estimated value



ADCP measurement at Carrabassett River
near North Anson, Maine (01047000)
December 2003

QUANTITY OF PRECIPITATION

434829070465101 CORNISH PRECIPITATION AT CORNISH, ME

LOCATION.--Lat 43°48'29", long 70°46'51", Cumberland County, Hydrologic Unit 01060002, on left bank 300 ft upstream from State Route 117 highway bridge at Cornish, and 0.4 mi downstream from Ossipee River.

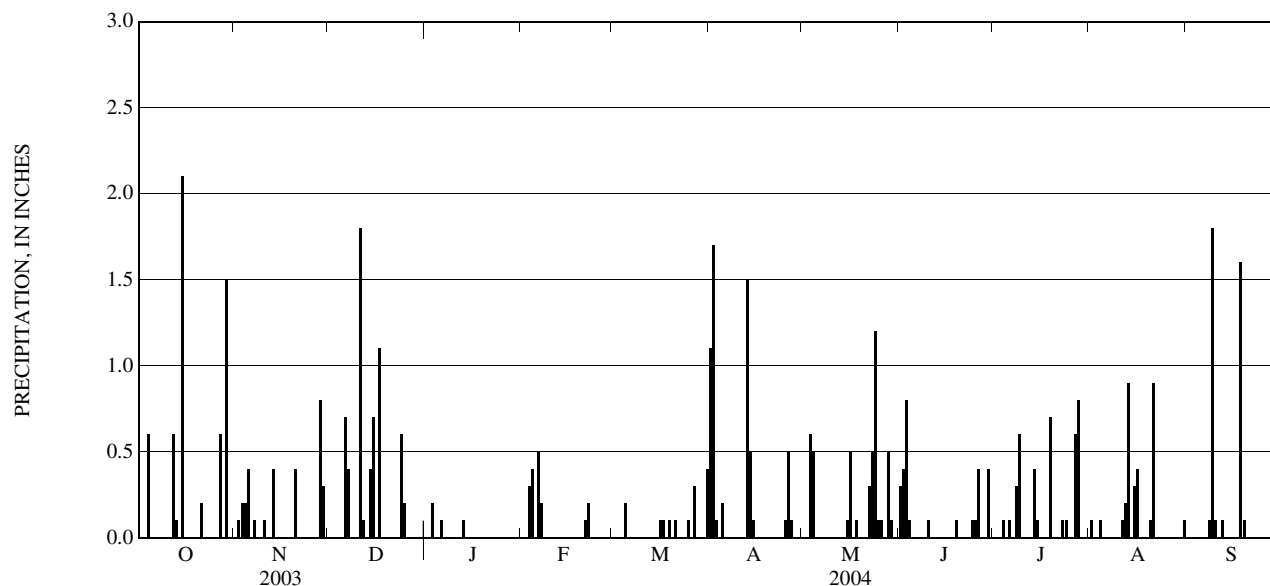
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Saco River at Cornish, ME" (station 01066000).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, mounted on top of gage house with the top of the collector 15 ft above the ground. Elevation of gage is 292 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage is operated in conjunction with a co-located streamflow gage (station 01066000). Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.3	0.0	0.1	0.0
2	0.0	0.1	0.0	0.0	0.0	0.0	1.7	0.0	0.4	0.0	0.0	0.0
3	0.0	0.2	0.0	0.2	0.3	0.0	0.1	0.6	0.8	0.0	0.0	0.0
4	0.6	0.2	0.0	0.0	0.4	0.0	0.0	0.5	0.1	0.1	0.1	0.0
5	0.0	0.4	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.7	0.1	0.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0
7	0.0	0.1	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.8
10	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1
11	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
12	0.6	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1
13	0.1	0.4	0.0	0.1	0.0	0.0	1.5	0.0	0.0	0.0	0.9	0.0
14	0.0	0.0	0.4	0.0	0.0	0.0	0.5	0.0	0.0	0.4	0.0	0.0
15	2.1	0.0	0.7	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.3	0.0
16	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.0	0.4	0.0
17	0.0	0.0	1.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.6
19	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.7	0.0	0.1
20	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
21	0.2	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.9	0.0
22	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.1	0.0	0.0
24	0.0	0.0	0.6	0.0	0.0	0.0	0.0	1.2	0.1	0.1	0.0	0.0
25	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.4	0.0	0.0	0.0
27	0.6	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.6	0.0	0.0
28	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.8	0.0	0.0
29	1.5	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.4	---	0.0	---	0.0	0.1	---
TOTAL	5.7	3.0	6.0	0.4	1.7	1.4	5.9	4.6	2.8	3.9	3.2	3.8



443305070323701 RUMFORD PRECIPITATION AT RUMFORD, ME

LOCATION.--Lat 44°33'05", long 70°32'37", Oxford County, Hydrologic Unit 01040002, on right bank below lower power plant of Rumford Falls Power Co. in Rumford, and 1,000 ft upstream from Swift River.

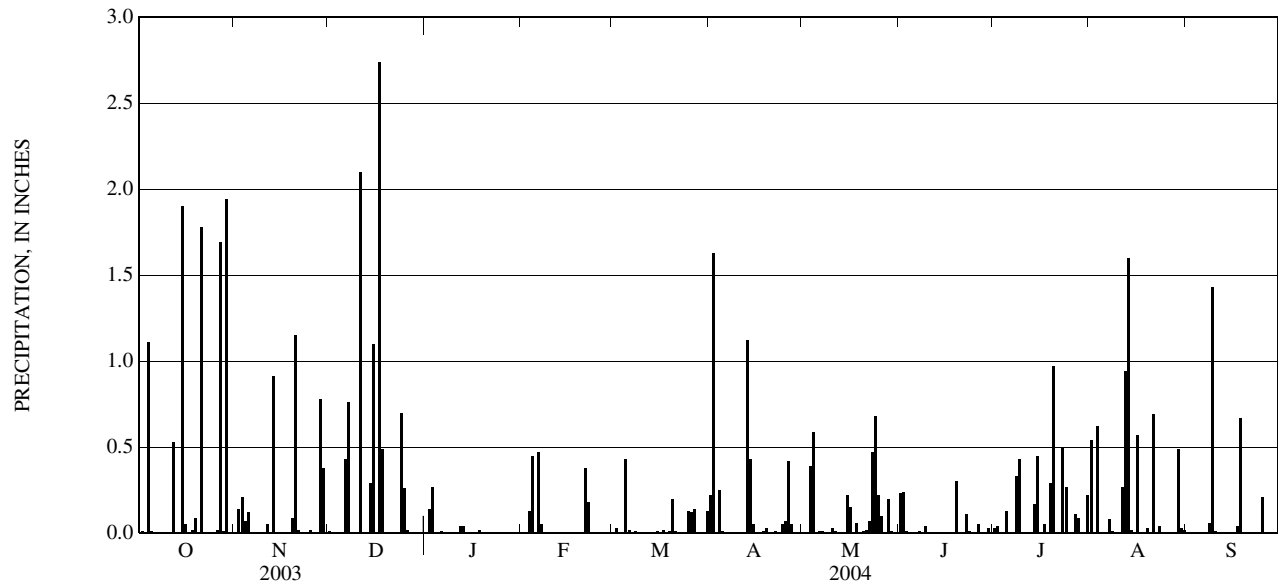
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Androscoggin River at Rumford, ME" (station 01054500).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on side of gage house with the top of the collector 6 ft above the ground. Elevation of gage is 466 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage is operated in conjunction with a co-located streamflow gage (station 01054500). Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.01	0.00	0.00	0.00	0.22	0.00	0.23	0.03	0.54	0.00
2	0.01	0.14	0.00	0.14	0.00	0.03	1.63	0.00	0.24	0.04	0.00	0.00
3	0.00	0.21	0.00	0.27	0.13	0.00	0.00	0.39	0.01	0.00	0.62	0.00
4	1.11	0.07	0.00	0.00	0.45	0.00	0.25	0.59	0.00	0.00	0.00	0.00
5	0.01	0.12	0.00	0.00	0.00	0.43	0.01	0.00	0.00	0.13	0.00	0.00
6	0.00	0.00	0.43	0.01	0.47	0.02	0.00	0.01	0.00	0.00	0.00	0.00
7	0.00	0.00	0.76	0.00	0.05	0.00	0.00	0.01	0.01	0.00	0.08	0.00
8	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.33	0.01	0.06
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.43	0.00	1.43
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.01
11	0.00	0.05	2.10	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.27	0.00
12	0.53	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.00
13	0.00	0.91	0.00	0.04	0.00	0.00	1.12	0.00	0.00	0.00	1.60	0.00
14	0.00	0.00	0.29	0.00	0.00	0.00	0.43	0.00	0.00	0.17	0.02	0.00
15	1.90	0.00	1.10	0.00	0.00	0.01	0.05	0.22	0.00	0.45	0.00	0.00
16	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.57	0.00
17	0.00	0.00	2.74	0.00	0.00	0.02	0.00	0.00	0.00	0.05	0.00	0.04
18	0.02	0.00	0.49	0.02	0.00	0.00	0.01	0.06	0.00	0.00	0.00	0.67
19	0.09	0.09	0.00	0.00	0.00	0.01	0.03	0.00	0.30	0.29	0.03	0.00
20	0.00	1.15	0.00	0.00	0.00	0.20	0.00	0.01	0.00	0.97	0.00	0.00
21	1.78	0.02	0.00	0.00	0.38	0.01	0.00	0.02	0.00	0.00	0.69	0.00
22	0.00	0.00	0.00	0.00	0.18	0.00	0.01	0.07	0.11	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.01	0.50	0.04	0.00
24	0.00	0.00	0.70	0.00	0.00	0.00	0.05	0.68	0.00	0.27	0.00	0.00
25	0.00	0.02	0.26	0.00	0.00	0.13	0.07	0.22	0.00	0.00	0.00	0.21
26	0.02	0.00	0.02	0.00	0.00	0.12	0.42	0.10	0.05	0.00	0.00	0.00
27	1.69	0.00	0.00	0.00	0.00	0.14	0.05	0.00	0.00	0.11	0.00	0.00
28	0.01	0.78	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.09	0.00	0.00
29	1.94	0.38	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.49	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.03	0.01
31	0.00	---	0.00	0.00	---	0.13	---	0.00	---	0.22	0.02	---
TOTAL	9.16	3.94	8.90	0.52	1.66	1.26	4.35	3.25	1.03	4.08	5.95	2.43



QUANTITY OF PRECIPITATION

444227069561801 MERCER PRECIPITATION NEAR MERCER, ME

LOCATION.--Lat 44°42'27", long 69°56'18", Somerset County, Hydrologic Unit 01030003, on right bank 0.9 mi upstream from Bog Stream, 2.1 mi north of Mercer, and 8.6 mi upstream from mouth.

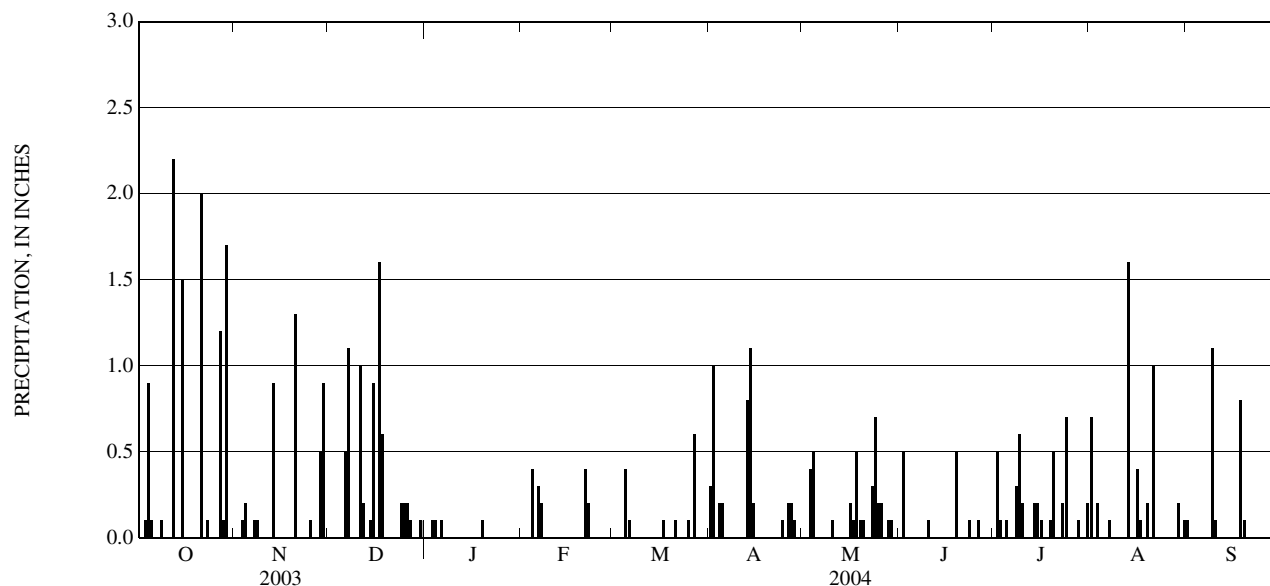
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Sandy River near Mercer, ME" (station 01048000).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, mounted on top of gage house with the top of the collector 12 ft above the ground. Elevation of gage is 225 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage is operated in conjunction with a co-located streamflow gage (station 01048000). Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.7	0.1
2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.5	0.5	0.0	0.0
3	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.4	0.0	0.1	0.2	0.0
4	0.9	0.2	0.0	0.1	0.4	0.0	0.2	0.5	0.0	0.0	0.0	0.0
5	0.1	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0	0.1	0.0	0.0
6	0.0	0.0	0.5	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.1	1.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0
8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.1
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.0	0.1
11	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	2.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.9	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	1.6	0.0
14	0.0	0.0	0.1	0.0	0.0	0.0	1.1	0.0	0.0	0.2	0.0	0.0
15	1.5	0.0	0.9	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.4	0.0
17	0.0	0.0	1.6	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0
18	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.8
19	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.5	0.1	0.2	0.1
20	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.5	0.0	0.0
21	2.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.0	1.0	0.0
22	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.2	0.0	0.0
24	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.7	0.0	0.7	0.0	0.0
25	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0
26	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0
27	1.2	0.0	0.1	0.0	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0
28	0.1	0.5	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1
29	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0
30	0.0	0.0	0.1	0.0	---	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.2	0.1	---
TOTAL	10.0	4.2	6.8	0.4	1.5	1.4	4.4	3.6	1.3	4.1	4.6	2.3



444657071074401 ERROL PRECIPITATION AT ERROL, NH

LOCATION.--Lat 44°46'57", long 71°07'44", Coos County, Hydrologic Unit 01040001, on right bank 0.4 mi downstream from Errol Dam, 0.4 mi northeast of Errol, and 0.6 mi upstream from Clear Stream.

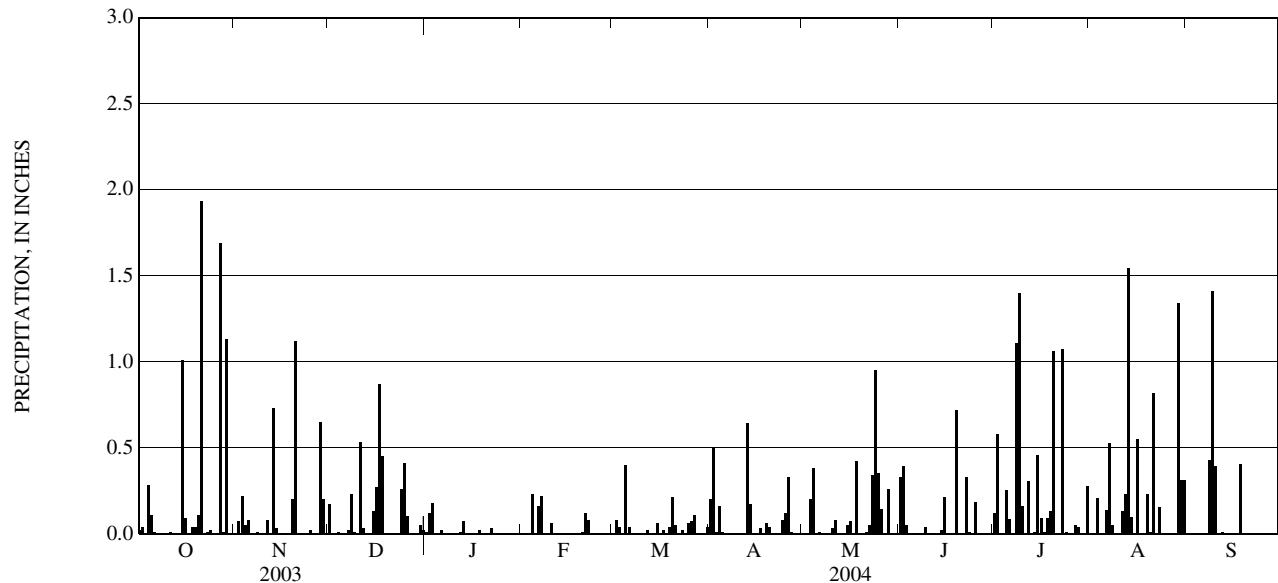
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Androscoggin River at Errol, NH" (station 01053500).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on top of gage house with the top of the collector 15 ft above the ground. Elevation of gage is 1,246 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage is operated in conjunction with a co-located streamflow gage (station 01053500). Records for streamflow are located in the Surface-Water-Discharge section in this report. Telephone and satellite telemeters at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.02	0.00	0.17	0.01	0.00	0.00	0.20	0.00	0.33	0.12	0.00	0.00
2	0.04	0.07	0.00	0.12	0.00	0.08	0.50	0.00	0.39	0.58	0.00	0.00
3	0.00	0.22	0.00	0.18	0.00	0.04	0.01	0.20	0.05	0.00	0.21	0.00
4	0.28	0.05	0.01	0.00	0.23	0.00	0.16	0.38	0.00	0.00	0.00	0.00
5	0.11	0.08	0.00	0.00	0.00	0.40	0.01	0.00	0.00	0.25	0.00	0.00
6	0.01	0.00	0.00	0.02	0.16	0.04	0.00	0.01	0.00	0.08	0.13	0.00
7	0.00	0.00	0.02	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.52	0.00
8	0.00	0.01	0.23	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.05	0.42
9	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.04	1.40	0.00	1.41
10	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.03	0.00	0.16	0.00	0.39
11	0.01	0.08	0.53	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.13	0.00
12	0.00	0.00	0.03	0.01	0.00	0.02	0.00	0.00	0.00	0.30	0.23	0.01
13	0.00	0.73	0.00	0.07	0.00	0.00	0.64	0.00	0.00	0.00	1.54	0.00
14	0.00	0.03	0.00	0.00	0.00	0.00	0.17	0.00	0.02	0.01	0.09	0.00
15	1.01	0.00	0.13	0.00	0.00	0.06	0.00	0.05	0.21	0.46	0.00	0.00
16	0.09	0.00	0.27	0.00	0.00	0.00	0.00	0.07	0.00	0.09	0.55	0.00
17	0.00	0.00	0.87	0.00	0.00	0.02	0.03	0.00	0.00	0.01	0.00	0.00
18	0.04	0.00	0.45	0.02	0.00	0.00	0.00	0.42	0.00	0.09	0.00	0.40
19	0.04	0.20	0.00	0.00	0.00	0.04	0.06	0.00	0.72	0.13	0.23	0.00
20	0.11	1.12	0.00	0.00	0.01	0.21	0.04	0.00	0.00	1.06	0.01	0.00
21	1.93	0.00	0.00	0.00	0.12	0.05	0.00	0.01	0.00	0.00	0.82	0.00
22	0.00	0.00	0.00	0.03	0.08	0.00	0.00	0.05	0.33	0.00	0.00	0.00
23	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.34	0.01	1.07	0.16	0.00
24	0.02	0.00	0.26	0.00	0.00	0.00	0.08	0.95	0.00	0.01	0.00	0.00
25	0.00	0.02	0.41	0.00	0.00	0.06	0.12	0.35	0.18	0.00	0.00	0.00
26	0.00	0.00	0.10	0.00	0.00	0.07	0.33	0.14	0.00	0.00	0.00	0.00
27	1.69	0.00	0.00	0.00	0.00	0.11	0.01	0.00	0.00	0.05	0.00	0.00
28	0.01	0.65	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.04	0.00	0.00
29	1.13	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.34	0.00
30	0.00	0.00	0.05	0.00	---	0.00	0.00	0.00	0.00	0.00	0.31	0.00
31	0.00	---	0.02	0.00	---	0.04	---	0.00	---	0.28	0.31	---
TOTAL	6.55	3.46	3.56	0.46	0.88	1.26	2.36	3.34	2.28	7.30	6.63	2.63



QUANTITY OF PRECIPITATION

445210069571901 NORTH ANSON PRECIPITATION NEAR NORTH ANSON, ME

LOCATION.--Lat 44°52'10", long 69°57'19", Somerset County, Hydrologic Unit 01030003, on left bank 3.4 mi upstream from Mill Stream and North Anson.

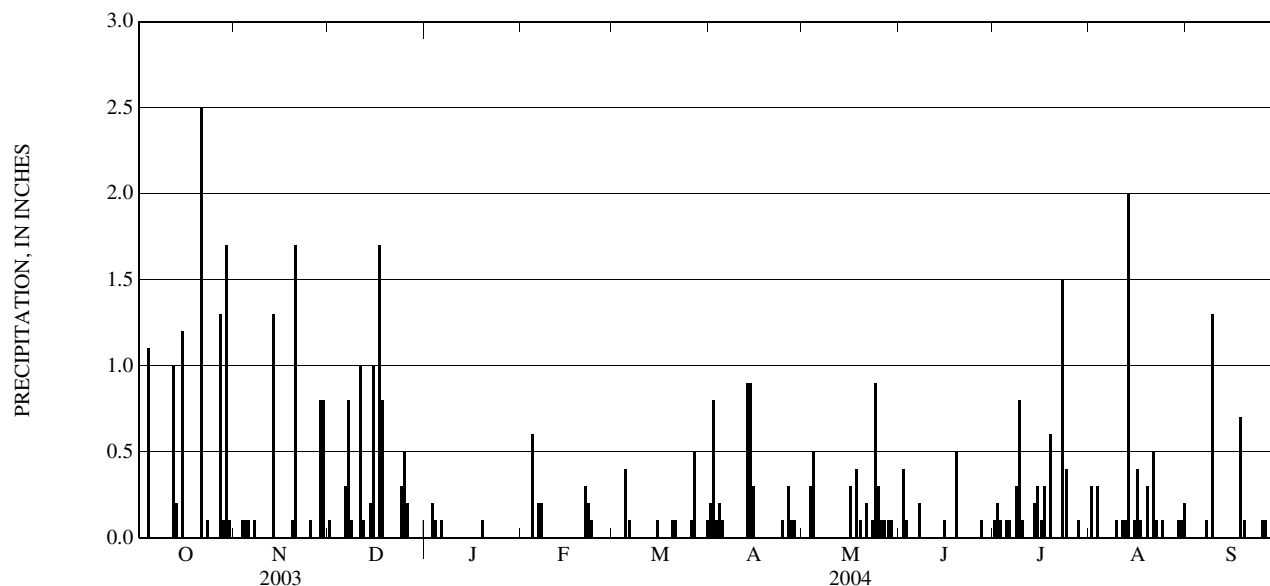
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Carrabassett River near North Anson, ME" (station 01047000).

INSTRUMENTATION.--Unshielded, standard 8-in diameter, weighing bucket gage with 20 in. capacity, mounted on top of gage house with the top of the collector 12 ft above the ground. Elevation of gage is 333 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage is operated in conjunction with a co-located streamflow gage (station 01047000). Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.3	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.4	0.2	0.0	0.0
3	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.3	0.1	0.1	0.3	0.0
4	1.1	0.1	0.0	0.1	0.6	0.0	0.2	0.5	0.0	0.0	0.0	0.0
5	0.0	0.1	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.1	0.0	0.0
6	0.0	0.0	0.3	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0
7	0.0	0.1	0.8	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.1
8	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.1	1.3
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
11	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
12	1.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
13	0.2	1.3	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	2.0	0.0
14	0.0	0.0	0.2	0.0	0.0	0.0	0.9	0.0	0.0	0.2	0.0	0.0
15	1.2	0.0	1.0	0.0	0.0	0.1	0.3	0.0	0.1	0.3	0.1	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.4	0.0
17	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0
18	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.7
19	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.5	0.6	0.3	0.1
20	0.0	1.7	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
21	2.5	0.0	0.0	0.0	0.3	0.1	0.0	0.2	0.0	0.0	0.5	0.0
22	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0
23	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	1.5	0.0	0.0
24	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.9	0.0	0.4	0.1	0.0
25	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1
26	0.0	0.0	0.2	0.0	0.0	0.1	0.3	0.1	0.0	0.0	0.0	0.1
27	1.3	0.0	0.0	0.0	0.0	0.5	0.1	0.1	0.1	0.0	0.0	0.0
28	0.1	0.8	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0
29	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0
30	0.1	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.1	0.0
31	0.0	---	0.0	0.0	---	0.1	---	0.0	---	0.0	0.2	---
TOTAL	9.3	5.2	7.1	0.5	1.6	1.5	4.1	3.5	1.4	5.3	4.9	2.4



445404067145201 DENNYSVILLE PRECIPITATION AT DENNYSVILLE, ME

LOCATION.--Lat 44°54'04", long 67°14'52", Washington County, Hydrologic Unit 01050002, on right bank 100 ft upstream from railroad bridge, 0.9 mi upstream from Cathance Stream, and 1 mi west of Dennyville.

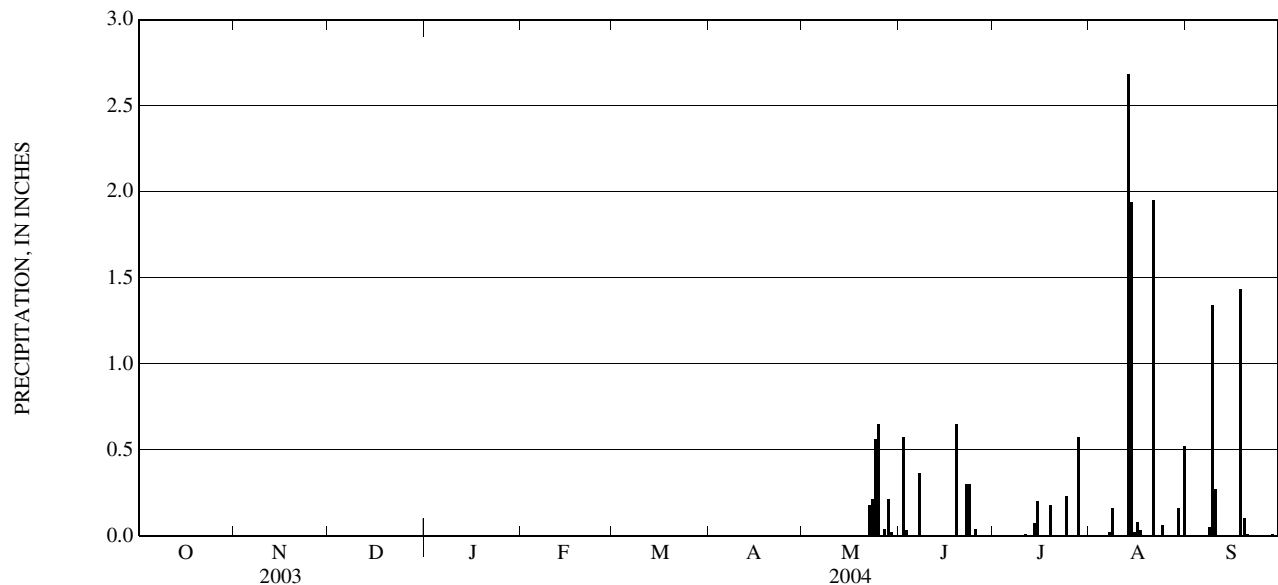
PERIOD OF RECORD.--May 2004 to September 2004.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on top of gage house with the top of the collector 10 ft above the ground. Elevation of gage is 72 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No precipitation record June 26 to July 9. Gage is operated in conjunction with a co-located streamflow gage (station 01021200). Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	0.00	---	0.00	0.00
2	---	---	---	---	---	---	---	---	0.57	---	0.00	0.00
3	---	---	---	---	---	---	---	---	0.03	---	0.00	0.00
4	---	---	---	---	---	---	---	---	0.00	---	0.00	0.00
5	---	---	---	---	---	---	---	---	0.00	---	0.00	0.00
6	---	---	---	---	---	---	---	---	0.00	---	0.00	0.00
7	---	---	---	---	---	---	---	---	0.36	---	0.02	0.00
8	---	---	---	---	---	---	---	---	0.00	---	0.16	0.05
9	---	---	---	---	---	---	---	---	0.00	---	0.00	1.34
10	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.27
11	---	---	---	---	---	---	---	---	0.00	0.01	0.00	0.00
12	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00
13	---	---	---	---	---	---	---	---	0.00	0.00	2.68	0.00
14	---	---	---	---	---	---	---	---	0.00	0.07	1.94	0.00
15	---	---	---	---	---	---	---	---	0.00	0.20	0.02	0.00
16	---	---	---	---	---	---	---	---	0.00	0.00	0.08	0.00
17	---	---	---	---	---	---	---	---	0.00	0.00	0.03	0.00
18	---	---	---	---	---	---	---	---	0.00	0.00	0.00	1.43
19	---	---	---	---	---	---	---	---	0.65	0.18	0.00	0.10
20	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.01
21	---	---	---	---	---	---	---	---	0.00	0.00	1.95	0.00
22	---	---	---	---	---	---	---	0.18	0.30	0.00	0.00	0.00
23	---	---	---	---	---	---	---	0.21	0.30	0.00	0.00	0.00
24	---	---	---	---	---	---	---	0.56	0.00	0.23	0.06	0.00
25	---	---	---	---	---	---	---	0.65	0.04	0.00	0.00	0.00
26	---	---	---	---	---	---	---	0.00	---	0.00	0.00	0.00
27	---	---	---	---	---	---	---	0.04	---	0.00	0.00	0.00
28	---	---	---	---	---	---	---	0.21	---	0.57	0.00	0.01
29	---	---	---	---	---	---	---	0.02	---	0.00	0.16	0.00
30	---	---	---	---	---	---	---	0.00	---	0.00	0.00	0.00
31	---	---	---	---	---	---	---	0.00	---	0.00	0.52	---
TOTAL	---	---	---	---	---	---	---	---	---	---	7.62	3.21



QUANTITY OF PRECIPITATION

450306069531101 BINGHAM PRECIPITATION AT BINGHAM, ME

LOCATION.--Lat 45°03'06", long 69°53'11", Somerset County, Hydrologic Unit 01030003, on right bank at Bingham, 50 ft downstream from State Route 16 highway bridge, 0.4 mi downstream from Austin Stream, and 1.6 mi downstream from Wyman Dam.

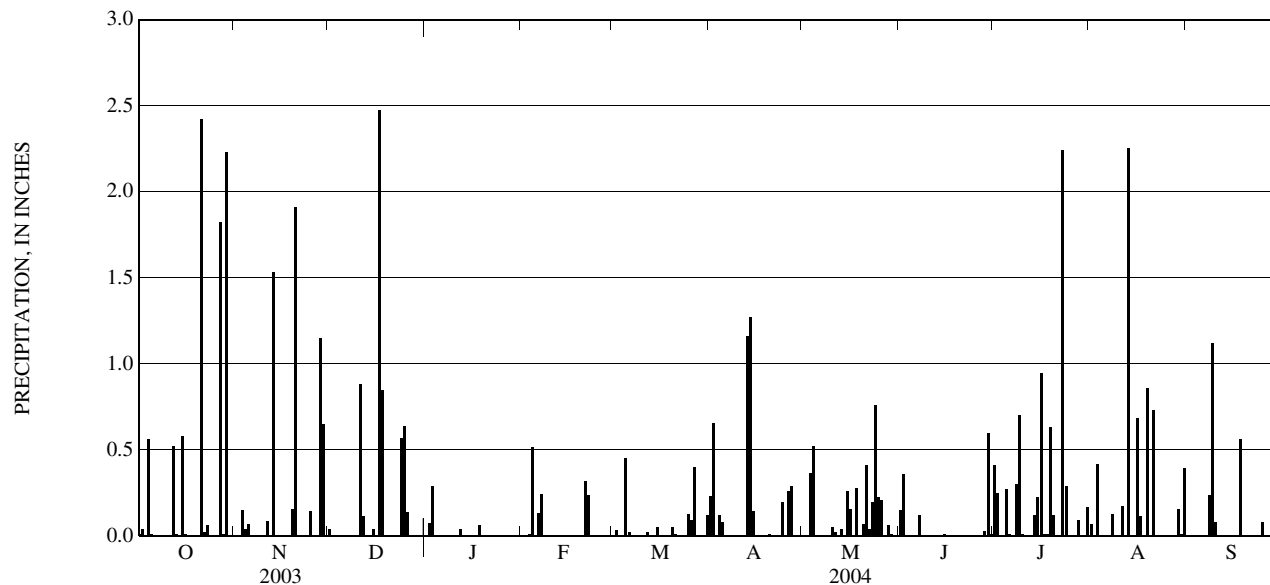
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Kennebec River at Bingham, ME" (station 01046500).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on top of gage house with the top of the collector 11 ft above the ground. Elevation of gage is 366 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No precipitation record, Dec. 6-8 and Jan. 19-21. Gage is operated in conjunction with a co-located streamflow gage (station 01046500). Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.00	0.04	0.00	0.00	0.00	0.23	0.00	0.15	0.41	0.07	0.00
2	0.04	0.00	0.00	0.07	0.00	0.03	0.65	0.00	0.35	0.25	0.00	0.00
3	0.00	0.15	0.00	0.29	0.01	0.00	0.00	0.36	0.00	0.00	0.42	0.00
4	0.56	0.04	0.00	0.00	0.52	0.00	0.12	0.52	0.00	0.00	0.00	0.00
5	0.01	0.07	0.00	0.00	0.00	0.45	0.08	0.00	0.00	0.27	0.00	0.00
6	0.00	0.00	---	0.00	0.13	0.02	0.00	0.00	0.00	0.01	0.00	0.00
7	0.00	0.00	---	0.00	0.24	0.00	0.00	0.00	0.12	0.00	0.00	0.00
8	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.12	0.23
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	1.12
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.01	0.00	0.08
11	0.00	0.09	0.88	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.17	0.00
12	0.52	0.00	0.12	0.04	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
13	0.01	1.53	0.00	0.00	0.00	0.00	1.16	0.04	0.00	0.00	2.25	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.12	0.00	0.00
15	0.58	0.00	0.04	0.00	0.00	0.05	0.14	0.26	0.01	0.23	0.00	0.00
16	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.94	0.68	0.00
17	0.00	0.00	2.47	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.11	0.00
18	0.00	0.00	0.85	0.06	0.00	0.00	0.00	0.28	0.00	0.01	0.00	0.56
19	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	---	0.63	0.85	0.00
20	0.00	1.91	0.00	0.00	0.00	0.05	0.01	0.07	---	0.12	0.00	0.00
21	2.42	0.00	0.00	0.00	0.32	0.01	0.00	0.41	---	0.00	0.73	0.00
22	0.02	0.00	0.00	0.00	0.24	0.00	0.00	0.04	0.00	0.00	0.00	0.00
23	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	2.24	0.00	0.00
24	0.00	0.00	0.57	0.00	0.00	0.00	0.19	0.76	0.00	0.29	0.00	0.00
25	0.00	0.14	0.63	0.00	0.00	0.12	0.00	0.22	0.00	0.00	0.00	0.08
26	0.00	0.00	0.14	0.00	0.00	0.09	0.26	0.21	0.00	0.00	0.00	0.00
27	1.82	0.00	0.00	0.00	0.00	0.40	0.29	0.00	0.00	0.00	0.00	0.00
28	0.01	1.15	0.00	0.00	0.00	0.00	0.00	0.06	0.03	0.09	0.00	0.00
29	2.23	0.65	0.00	0.00	0.00	0.00	0.00	0.01	0.60	0.00	0.16	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.01	0.00	0.01	0.00
31	0.00	---	0.00	0.00	---	0.12	---	0.00	---	0.16	0.39	---
TOTAL	8.30	5.89	---	0.46	1.46	1.36	4.40	3.67	---	6.79	5.96	2.07



450705069384801 KINGSBURY PRECIPITATION AT KINGSBURY, ME

LOCATION.--Lat 45°07'05", long 69°38'48", Piscataquis County, Hydrologic Unit 01020004, on left bank of Kingsbury Stream 350 ft downstream of Kingsbury Pond dam, in clearing at private residence.

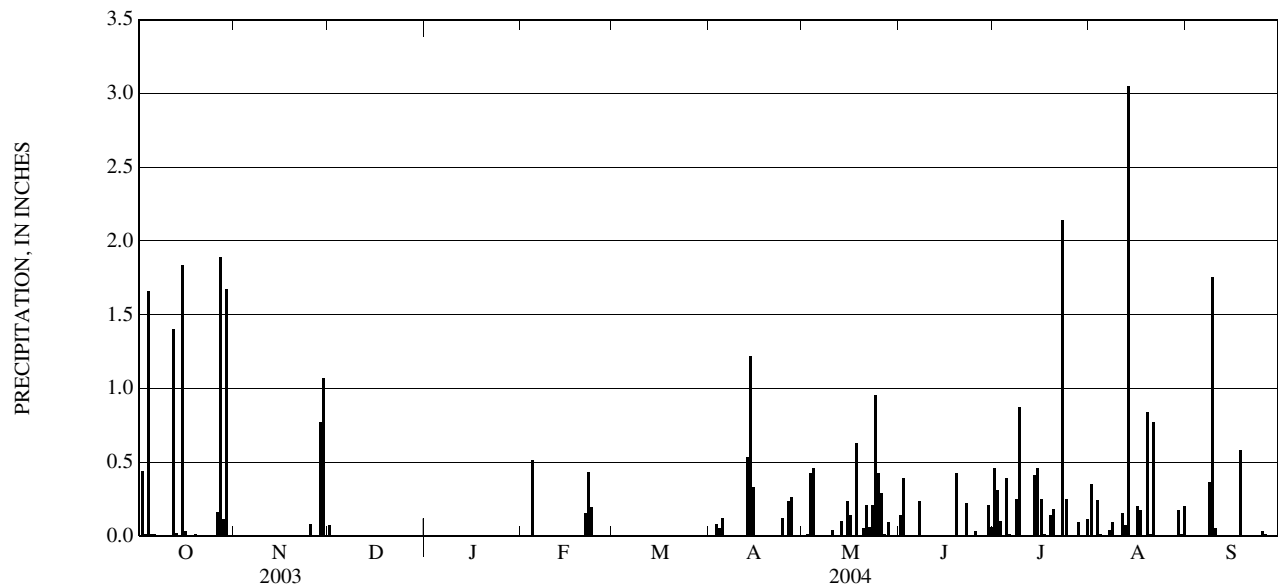
PERIOD OF RECORD.--October 1997 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage and attached snowfall adapter, with 0.01 in. tip increment, mounted on top of a 6 ft platform with the top of the collector 7 ft above the ground. Elevation of gage is 915 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to August 14, 2001, unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, at same location.

REMARKS.--No precipitation record, many days Oct. through Apr. Gage is operated as part of the upper Piscataquis River flood warning system. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	---	0.07	0.00	0.00	0.00	---	0.00	0.14	0.46	0.35	0.00
2	0.44	0.00	0.00	---	0.00	---	---	0.01	0.39	0.31	0.00	0.00
3	0.01	---	---	---	0.00	---	0.08	0.42	0.00	0.10	0.24	0.00
4	1.66	---	0.00	---	0.51	---	0.05	0.46	0.00	0.00	0.01	0.00
5	0.01	---	0.00	---	0.00	---	0.12	0.00	0.00	0.39	0.00	0.00
6	0.01	---	---	---	---	---	0.00	0.00	0.00	0.01	0.00	0.00
7	0.00	---	---	---	---	---	0.00	0.00	0.23	0.00	0.04	0.00
8	0.00	0.00	---	---	---	---	0.00	0.00	0.00	0.25	0.09	0.36
9	0.00	0.00	0.00	---	---	---	0.00	0.00	0.00	0.87	0.00	1.75
10	0.00	0.00	0.00	---	---	---	0.00	0.04	0.00	0.00	0.00	0.05
11	0.00	---	---	---	0.00	---	0.00	0.00	0.00	0.00	0.15	0.00
12	1.40	---	---	---	0.00	---	0.00	0.00	0.00	0.00	0.07	0.00
13	0.02	---	---	0.00	0.00	---	0.53	0.10	0.00	0.00	3.05	0.00
14	0.00	---	---	0.00	0.00	---	1.22	0.00	0.00	0.41	0.00	0.00
15	1.83	---	---	---	0.00	---	0.33	0.23	0.00	0.46	0.00	0.00
16	0.03	---	---	---	0.00	---	0.00	0.14	0.00	0.25	0.20	0.00
17	0.00	0.00	---	---	0.00	---	0.00	0.00	0.00	0.01	0.17	0.00
18	0.00	0.00	---	---	0.00	---	0.00	0.63	0.00	0.00	0.00	0.58
19	0.01	---	---	---	0.00	---	0.00	0.00	0.42	0.14	0.84	0.00
20	0.00	---	---	---	0.00	---	0.00	0.05	0.00	0.18	0.01	0.00
21	---	---	---	---	0.15	---	0.00	0.21	0.00	0.00	0.77	0.00
22	---	---	---	0.00	0.43	---	0.00	0.06	0.22	0.00	0.00	0.00
23	---	0.00	0.00	0.00	0.19	---	0.00	0.21	0.00	2.14	0.00	0.00
24	---	0.00	---	0.00	0.00	---	0.12	0.95	0.00	0.25	0.00	0.00
25	---	0.08	---	0.00	0.00	---	0.00	0.42	0.03	0.00	0.00	0.03
26	0.16	0.00	---	0.00	0.00	---	0.23	0.29	0.00	0.00	0.00	0.01
27	1.89	---	---	0.00	0.00	---	0.26	0.01	0.00	0.00	0.00	0.00
28	0.11	0.77	---	0.00	---	---	0.00	0.09	0.00	0.09	0.00	0.00
29	1.67	1.07	---	0.00	0.00	---	0.00	0.00	0.21	0.00	0.17	0.00
30	---	0.00	---	0.00	---	---	0.00	0.00	0.06	0.00	0.01	0.00
31	0.00	---	---	0.00	---	---	---	0.00	---	0.11	0.20	---
TOTAL	---	---	---	---	---	---	---	4.32	1.70	6.43	6.37	2.78



451031069185301 DOVER-FOXCROFT PRECIPITATION NEAR DOVER-FOXCROFT, ME

LOCATION.--Lat 45°10'31", long 69°18'53", Piscataquis County, Hydrologic Unit 01020004, on left bank 30 ft downstream from Lows Bridge, 1.0 mi upstream from Black Stream, and 4.7 mi upstream from Dover-Foxcroft.

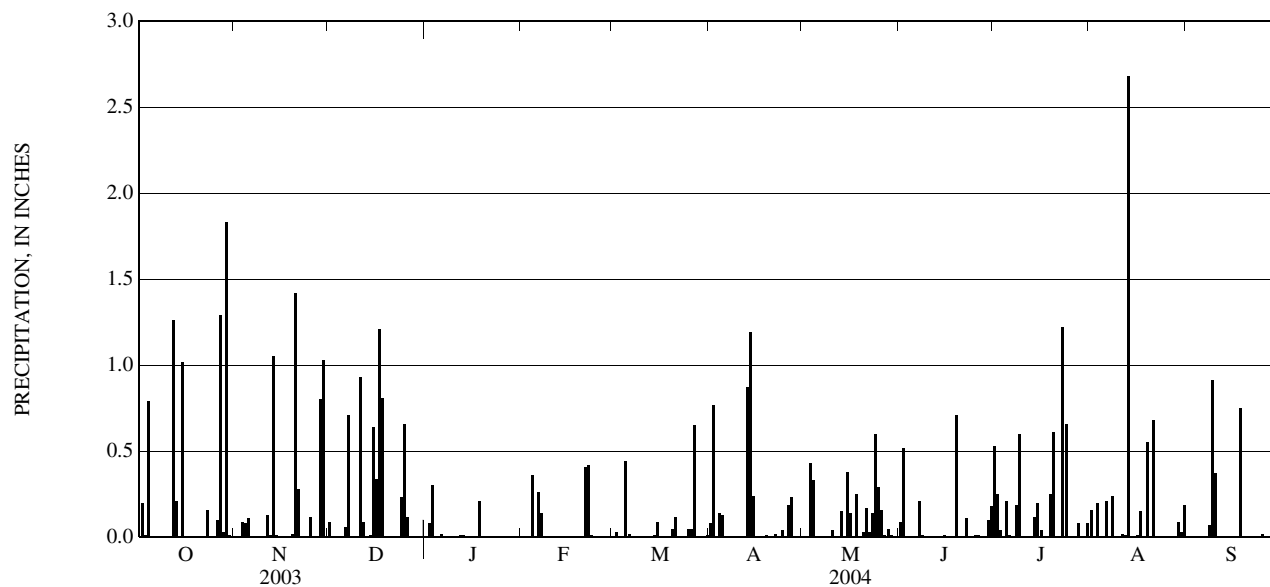
PERIOD OF RECORD.--October 1997 to current year. October 1997 to September 2003 published as "Piscataquis River near Dover- Foxcroft, ME" (station 01031500).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on top of gage house with the top of the collector 14 ft above the ground. Elevation of gage is 387 ft above National Geodetic Vertical Datum of 1929. Prior to June 26, 2000, unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, at same location.

REMARKS.--No precipitation record, Oct. 21-22. Gage is operated in conjunction with a co-located streamflow gage (station 01031500) as part of the upper Piscataquis River flood warning system. Records for streamflow are located in the Surface-Water-Discharge section in this report. Telephone and satellite telemeters at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.09	0.00	0.00	0.00	0.08	0.00	0.09	0.53	0.16	0.00
2	0.20	0.00	0.00	0.08	0.00	0.03	0.77	0.00	0.52	0.25	0.00	0.00
3	0.01	0.09	0.00	0.30	0.00	0.00	0.00	0.43	0.00	0.04	0.20	0.00
4	0.79	0.08	0.00	0.00	0.36	0.00	0.14	0.33	0.00	0.00	0.00	0.00
5	0.00	0.11	0.00	0.00	0.00	0.44	0.13	0.00	0.00	0.21	0.00	0.00
6	0.00	0.00	0.06	0.02	0.26	0.02	0.00	0.00	0.00	0.01	0.21	0.00
7	0.00	0.00	0.71	0.00	0.14	0.00	0.00	0.00	0.21	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.19	0.24	0.07
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	0.91
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.37
11	0.00	0.13	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
12	1.26	0.01	0.09	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
13	0.21	1.05	0.00	0.01	0.00	0.00	0.87	0.15	0.00	0.00	2.68	0.00
14	0.00	0.01	0.01	0.00	0.00	0.01	1.19	0.00	0.00	0.12	0.00	0.00
15	1.02	0.00	0.64	0.00	0.00	0.09	0.24	0.38	0.01	0.20	0.00	0.00
16	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.14	0.00	0.04	0.01	0.00
17	0.00	0.00	1.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00
18	0.00	0.00	0.81	0.21	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.75
19	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.71	0.25	0.55	0.00
20	0.00	1.42	0.00	0.00	0.00	0.05	0.00	0.03	0.00	0.61	0.00	0.00
21	---	0.28	0.00	0.00	0.41	0.12	0.00	0.17	0.00	0.00	0.68	0.00
22	---	0.00	0.00	0.00	0.42	0.00	0.02	0.03	0.11	0.00	0.00	0.00
23	0.16	0.00	0.00	0.00	0.01	0.00	0.00	0.14	0.00	1.22	0.00	0.00
24	0.00	0.00	0.23	0.00	0.00	0.00	0.04	0.60	0.00	0.66	0.00	0.00
25	0.00	0.12	0.66	0.00	0.00	0.05	0.00	0.29	0.01	0.00	0.00	0.02
26	0.10	0.00	0.12	0.00	0.00	0.05	0.19	0.16	0.01	0.00	0.00	0.00
27	1.29	0.00	0.00	0.00	0.00	0.65	0.23	0.01	0.00	0.00	0.00	0.00
28	0.03	0.80	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.08	0.00	0.00
29	1.83	1.03	0.00	0.00	0.00	0.00	0.00	0.01	0.10	0.00	0.09	0.00
30	0.01	0.00	0.00	0.00	---	0.00	0.00	0.00	0.18	0.00	0.03	0.00
31	0.00	---	0.00	0.00	---	0.01	---	0.00	---	0.08	0.19	---
TOTAL	---	5.15	5.90	0.63	1.60	1.52	3.91	3.21	1.96	5.09	5.22	2.12



451105069270801 ABBOT PRECIPITATION AT ABBOT VILLAGE, ME

LOCATION.--Lat 45°11'05", long 69°27'08", Piscataquis County, Hydrologic Unit 01020004, on left bank 200 ft upstream from State Route 15/16 highway bridge in Abbot Village, and 0.9 mi upstream from mouth.

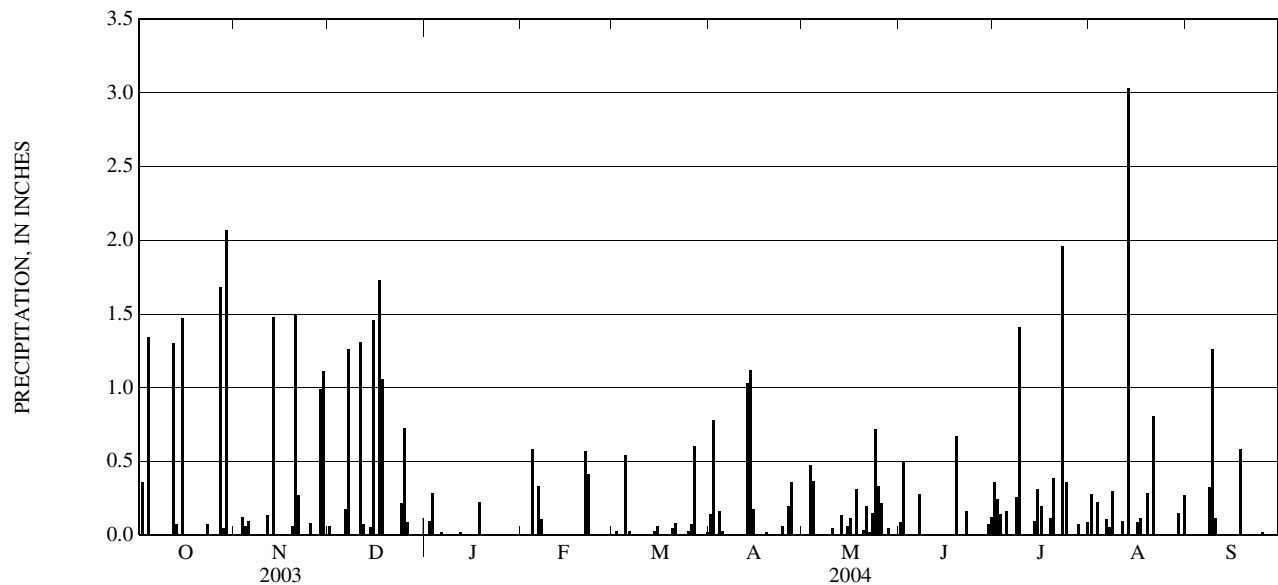
PERIOD OF RECORD.--October 1997 to current year. October 1997 to September 2003 published as "Kinsbury Stream at Abbot Village, ME" (station 01031450).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on top of a 6 ft platform with the top of the collector 7 ft above the ground. Elevation of gage is 451 ft above National Geodetic Vertical Datum of 1929. Prior to May 15, 2000, unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, at same location.

REMARKS.--No precipitation record, Oct. 21-22. Gage is operated in conjunction with a co-located streamflow gage (station 01031450) as part of the upper Piscataquis River flood warning system. Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.06	0.00	0.00	0.00	0.14	0.00	0.09	0.36	0.28	0.00
2	0.36	0.00	0.00	0.10	0.00	0.03	0.78	0.00	0.50	0.24	0.00	0.00
3	0.00	0.13	0.00	0.29	0.00	0.00	0.00	0.48	0.00	0.14	0.23	0.00
4	1.34	0.06	0.00	0.00	0.58	0.00	0.16	0.37	0.00	0.00	0.00	0.00
5	0.01	0.10	0.00	0.00	0.00	0.54	0.03	0.00	0.00	0.16	0.00	0.00
6	0.00	0.00	0.18	0.02	0.33	0.03	0.00	0.00	0.00	0.01	0.11	0.00
7	0.00	0.00	1.26	0.00	0.11	0.00	0.00	0.00	0.28	0.00	0.05	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.30	0.32
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.00	1.26
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.12
11	0.00	0.14	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
12	1.30	0.00	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.07	1.48	0.00	0.00	0.00	0.00	1.03	0.14	0.00	0.00	3.03	0.00
14	0.00	0.00	0.05	0.00	0.00	0.03	1.12	0.00	0.00	0.10	0.00	0.00
15	1.47	0.00	1.46	0.00	0.00	0.06	0.18	0.06	0.01	0.32	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.20	0.09	0.00
17	0.00	0.00	1.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00
18	0.00	0.00	1.06	0.23	0.00	0.00	0.00	0.32	0.00	0.01	0.00	0.58
19	0.00	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.68	0.12	0.29	0.00
20	0.00	1.49	0.00	0.00	0.00	0.04	0.00	0.04	0.00	0.39	0.00	0.00
21	---	0.27	0.00	0.00	0.57	0.08	0.00	0.20	0.00	0.00	0.81	0.00
22	---	0.00	0.00	0.00	0.41	0.00	0.00	0.02	0.16	0.00	0.00	0.00
23	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	1.96	0.00	0.00
24	0.01	0.00	0.22	0.00	0.00	0.00	0.06	0.72	0.00	0.36	0.00	0.00
25	0.00	0.08	0.73	0.00	0.00	0.03	0.00	0.33	0.01	0.00	0.00	0.02
26	0.00	0.00	0.09	0.00	0.00	0.07	0.20	0.22	0.00	0.00	0.00	0.01
27	1.68	0.00	0.00	0.00	0.00	0.60	0.36	0.01	0.00	0.00	0.00	0.00
28	0.04	0.99	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.07	0.00	0.00
29	2.07	1.11	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.15	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.13	0.00	0.01	0.00
31	0.00	---	0.00	0.00	---	0.02	---	0.00	---	0.09	0.27	---
TOTAL	---	5.91	8.22	0.66	2.00	1.53	4.08	3.27	1.93	6.20	5.84	2.31



QUANTITY OF PRECIPITATION

451603069350101 BLANCHARD PRECIPITATION AT BLANCHARD, ME

LOCATION.--Lat 45°16'03", long 69°35'01", Piscataquis County, Hydrologic Unit 01020004, on left bank at upstream side of bridge in the Town of Blanchard, and 1.0 miles downstream of the confluence of the East and West Branches of the Piscataquis River.

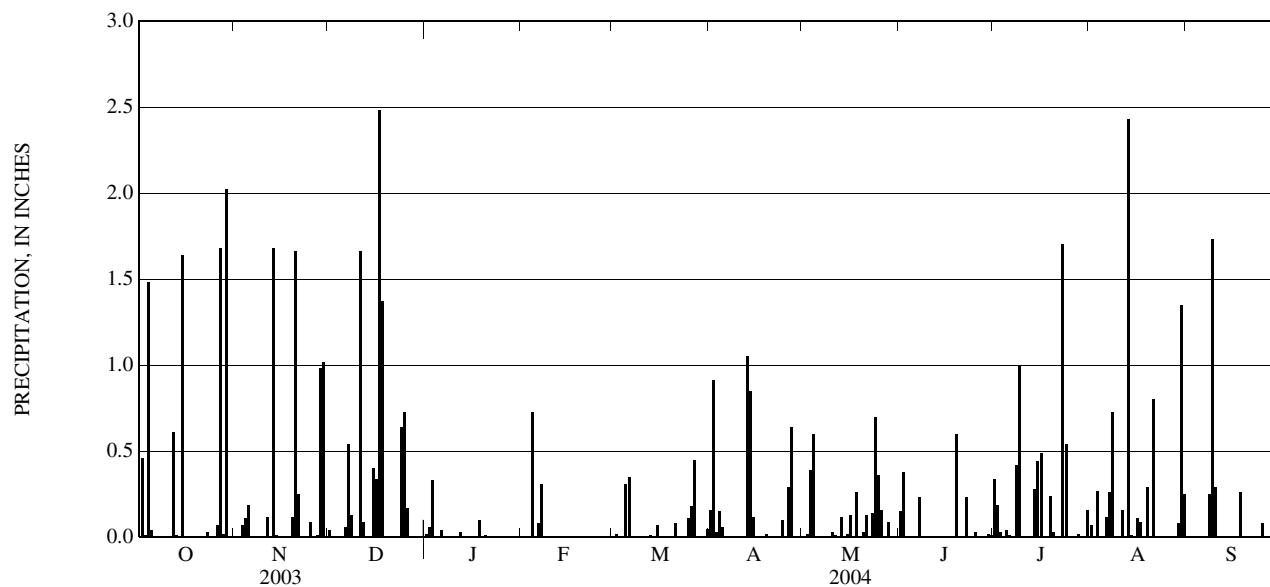
PERIOD OF RECORD.--October 1997 to current year. October 1997 to September 2003 published as "Piscataquis River at Blanchard, ME" (station 01031300).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on top of a 6 ft platform with the top of the collector 7 ft above the ground. Elevation of gage is 592 ft above National Geodetic Vertical Datum of 1929. Prior to May 15, 2000, unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, at same location.

REMARKS.--No precipitation record, Oct. 21-22 and Feb. 21-23. Gage is operated in conjunction with a co-located streamflow gage (station 01031300) as part of the upper Piscataquis River flood warning system. Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.04	0.02	0.00	0.00	0.16	0.00	0.15	0.34	0.07	0.00
2	0.46	0.00	0.00	0.06	0.00	0.02	0.91	0.02	0.38	0.19	0.00	0.00
3	0.01	0.07	0.00	0.33	0.00	0.00	0.03	0.39	0.00	0.03	0.27	0.00
4	1.48	0.11	0.00	0.00	0.73	0.00	0.15	0.60	0.00	0.00	0.00	0.00
5	0.04	0.19	0.00	0.00	0.00	0.31	0.06	0.00	0.00	0.04	0.00	0.00
6	0.00	0.00	0.06	0.04	0.08	0.35	0.00	0.00	0.00	0.01	0.12	0.00
7	0.00	0.00	0.54	0.00	0.31	0.00	0.00	0.00	0.23	0.00	0.26	0.00
8	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.73	0.25
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.73
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.29
11	0.00	0.12	1.66	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.16	0.00
12	0.61	0.00	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.01	1.68	0.00	0.00	0.00	0.01	1.05	0.12	0.00	0.00	2.43	0.00
14	0.00	0.01	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.28	0.01	0.00
15	1.64	0.00	0.40	0.00	0.00	0.07	0.12	0.02	0.00	0.44	0.00	0.00
16	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.13	0.00	0.49	0.11	0.00
17	0.00	0.00	2.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00
18	0.00	0.00	1.37	0.10	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.26
19	0.00	0.12	0.00	0.00	0.00	0.00	0.02	0.00	0.60	0.24	0.29	0.00
20	0.00	1.66	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00
21	---	0.25	0.00	0.00	---	0.08	0.00	0.13	0.00	0.00	0.80	0.00
22	---	0.00	0.00	0.00	---	0.00	0.00	0.00	0.23	0.00	0.00	0.00
23	0.03	0.00	0.00	0.00	---	0.00	0.00	0.14	0.00	1.70	0.00	0.00
24	0.00	0.00	0.64	0.00	0.00	0.00	0.10	0.70	0.00	0.54	0.00	0.00
25	0.00	0.09	0.73	0.00	0.00	0.11	0.00	0.36	0.03	0.00	0.00	0.08
26	0.07	0.00	0.17	0.00	0.00	0.18	0.29	0.16	0.00	0.00	0.00	0.00
27	1.68	0.01	0.00	0.00	0.00	0.45	0.64	0.00	0.00	0.00	0.00	0.00
28	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.02	0.00	0.00
29	2.02	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.08	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.01	0.00	1.35	0.00
31	0.00	---	0.00	0.00	---	0.05	---	0.00	---	0.16	0.25	---
TOTAL	---	6.31	8.65	0.59	---	1.63	4.38	3.19	1.65	5.93	7.02	2.61



452025069574701 THE FORKS PRECIPITATION AT THE FORKS, ME

LOCATION.--Lat 45°20'25", long 69°57'47"(corrected), Somerset County, Hydrologic Unit 01030001, on right bank at The Forks, 0.4 mi upstream from U.S. Route 201 highway bridge, and 0.7 mi upstream from Dead River.

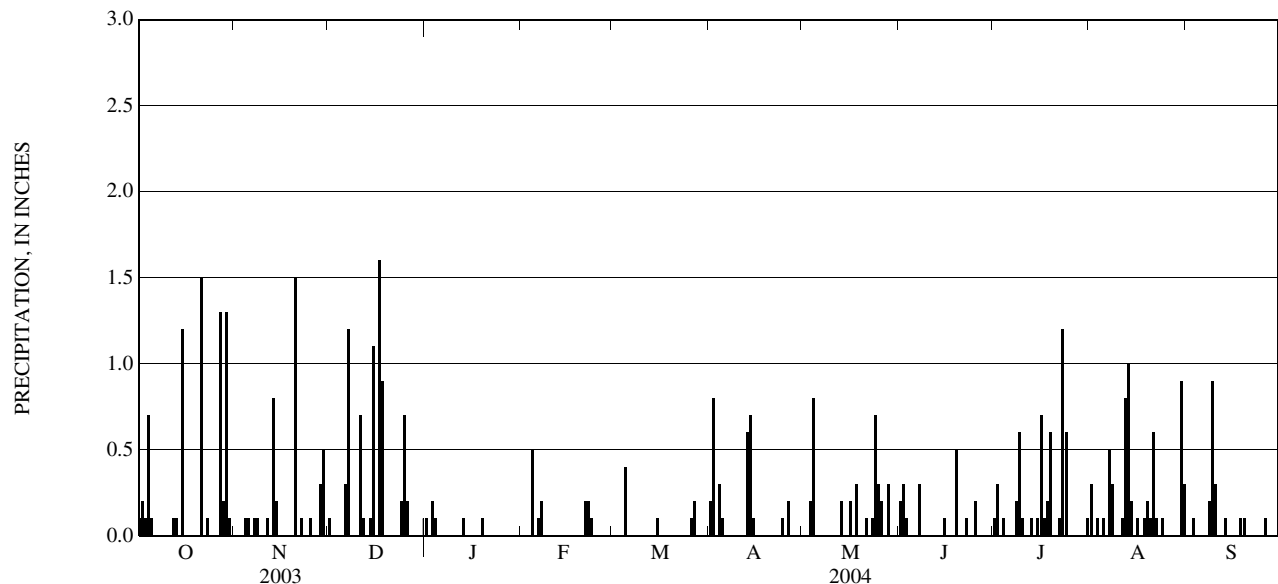
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Kennebec River at The Forks, ME" (station 01042500).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, mounted on top of gage house with the top of the collector 11 ft above the ground. Elevation of gage is 592 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage is operated in conjunction with a co-located streamflow gage (station 01042500). Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.0	0.1	0.1	0.0	0.0	0.2	0.0	0.2	0.1	0.3	0.0
2	0.2	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.3	0.3	0.0	0.0
3	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.1
4	0.7	0.1	0.0	0.1	0.5	0.0	0.3	0.8	0.0	0.1	0.0	0.0
5	0.1	0.1	0.0	0.0	0.0	0.4	0.1	0.0	0.0	0.0	0.1	0.0
6	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.1	1.2	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.5	0.0
8	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.2
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.9
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3
11	0.0	0.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
12	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0
13	0.1	0.8	0.0	0.1	0.0	0.0	0.6	0.2	0.0	0.1	1.0	0.1
14	0.0	0.2	0.1	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.2	0.0
15	1.2	0.0	1.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.7	0.1	0.0
17	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
18	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.3	0.0	0.2	0.1	0.1
19	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.5	0.6	0.2	0.1
20	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
21	1.5	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.6	0.0
22	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.0
23	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	1.2	0.0	0.0
24	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.7	0.0	0.6	0.1	0.0
25	0.0	0.1	0.7	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0
26	0.0	0.0	0.2	0.0	0.0	0.1	0.2	0.2	0.0	0.0	0.0	0.1
27	1.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
28	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
29	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.1	0.0	0.0	0.0	---	0.0	0.0	0.0	0.0	0.0	0.9	0.0
31	0.0	---	0.0	0.0	---	0.0	---	0.0	---	0.1	0.3	---
TOTAL	7.1	4.0	7.2	0.6	1.3	0.8	3.1	3.4	1.8	5.2	5.9	1.9



QUANTITY OF PRECIPITATION

452156069371801 SHIRLEY PRECIPITATION AT SHIRLEY MILLS, ME

LOCATION.--Lat 45°21'56", long 69°37'18", Piscataquis County, Hydrologic Unit 01020004, in clearing east of Shirley Mills Volunteer Fire Department in Shirley Mills.

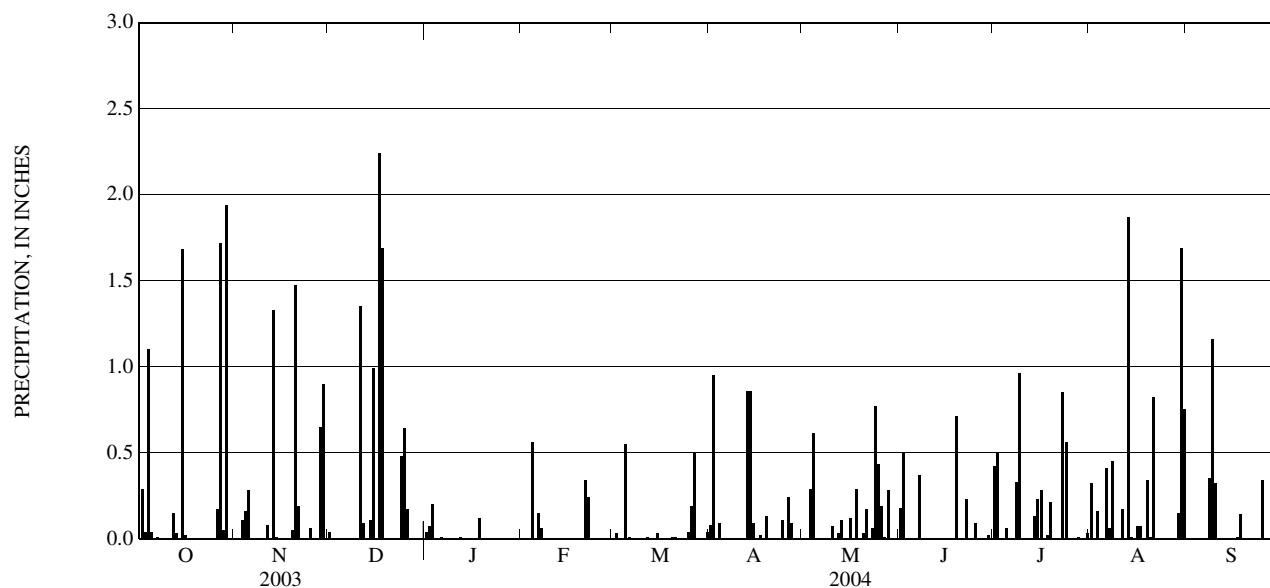
PERIOD OF RECORD.--November 2000 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on top of a 6 ft platform with the top of the collector 7 ft above the ground. Elevation of gage is 1030 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No precipitation record, Oct. 21-22 and Dec. 6-7. Gage is operated as part of the upper Piscataquis River flood warning system. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.04	0.04	0.00	0.00	0.08	0.00	0.18	0.42	0.32	0.00
2	0.29	0.00	0.00	0.07	0.00	0.03	0.95	0.00	0.50	0.50	0.00	0.00
3	0.04	0.11	0.00	0.20	0.00	0.00	0.00	0.29	0.00	0.00	0.16	0.00
4	1.10	0.16	0.00	0.00	0.56	0.00	0.09	0.61	0.00	0.00	0.00	0.00
5	0.04	0.28	0.00	0.00	0.00	0.55	0.00	0.00	0.00	0.06	0.00	0.00
6	0.00	0.00	---	0.01	0.15	0.01	0.00	0.00	0.00	0.00	0.41	0.00
7	0.01	0.00	---	0.00	0.06	0.00	0.00	0.00	0.37	0.00	0.06	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.45	0.35
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.00	1.16
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.32
11	0.00	0.08	1.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00
12	0.15	0.00	0.09	0.01	0.00	0.01	0.00	0.03	0.00	0.00	0.00	0.00
13	0.03	1.33	0.00	0.00	0.00	0.00	0.86	0.11	0.00	0.00	1.87	0.00
14	0.00	0.01	0.11	0.00	0.00	0.00	0.86	0.00	0.00	0.13	0.01	0.00
15	1.68	0.00	0.99	0.00	0.00	0.03	0.09	0.00	0.00	0.23	0.00	0.00
16	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.28	0.07	0.00
17	0.00	0.00	2.24	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.07	0.01
18	0.00	0.00	1.69	0.12	0.00	0.00	0.00	0.29	0.00	0.02	0.00	0.14
19	0.00	0.05	0.00	0.00	0.00	0.00	0.13	0.00	0.71	0.21	0.34	0.00
20	0.00	1.47	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.01	0.00
21	---	0.19	0.00	0.00	0.34	0.01	0.00	0.17	0.00	0.00	0.82	0.00
22	---	0.00	0.00	0.00	0.24	0.00	0.00	0.00	0.23	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.85	0.00	0.00
24	0.00	0.00	0.48	0.00	0.00	0.00	0.11	0.77	0.00	0.56	0.00	0.00
25	0.00	0.06	0.64	0.00	0.00	0.04	0.00	0.43	0.09	0.00	0.00	0.34
26	0.17	0.00	0.17	0.00	0.00	0.19	0.24	0.19	0.00	0.00	0.00	0.00
27	1.72	0.00	0.00	0.00	0.00	0.50	0.09	0.01	0.00	0.00	0.00	0.00
28	0.05	0.65	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.01	0.00	0.00
29	1.94	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	1.69	0.00
31	0.00	---	0.00	0.00	---	0.04	---	0.00	---	0.03	0.75	---
TOTAL	---	5.29	---	0.45	1.35	1.42	3.52	3.46	2.10	4.59	7.35	2.32



464200069425701 NINEMILE BRIDGE PRECIPITATION AT NINEMILE BRIDGE, ME

LOCATION.--Lat 46°42'00", long 69°42'57", Aroostook County, Hydrologic Unit 01010001, on right bank in T12 R15, 0.1 mi downstream from Ninemile Brook, 0.4 mi downstream from site of Ninemile Bridge, and 11 mi northwest of Clayton Lake Post Office.

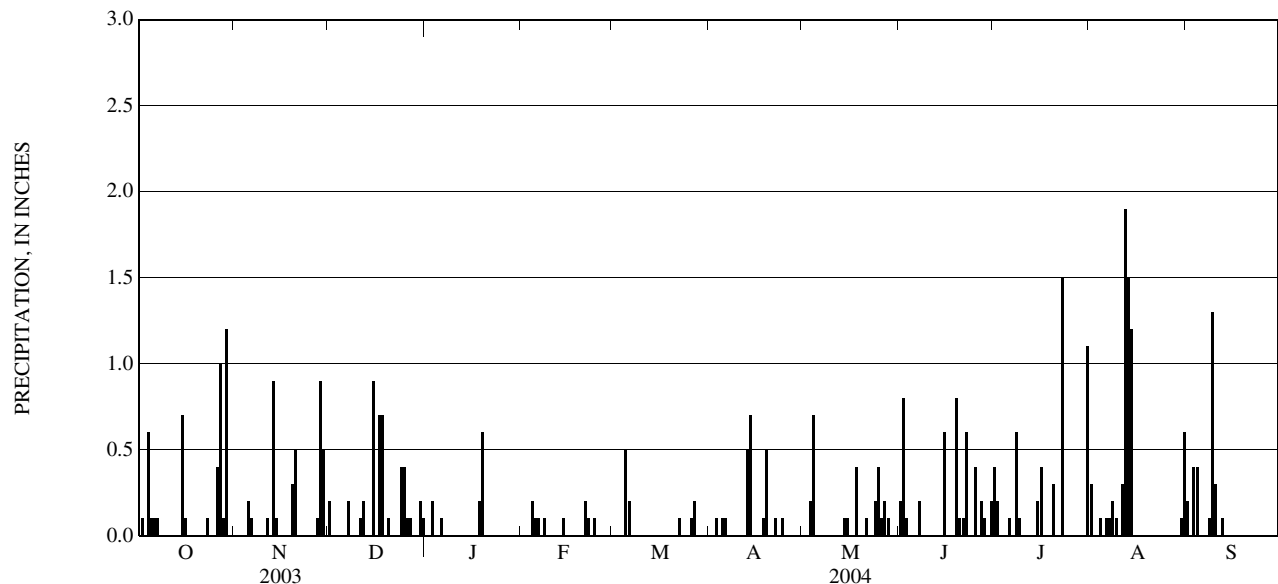
PERIOD OF RECORD.--October 2002 to current year. October 2002 to September 2003 published as "St. John River at Ninemile Bridge, ME" (station 01010000).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, mounted on top of gage house with the top of the collector 12 ft above the ground. Elevation of gage is 960 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage is operated in conjunction with a co-located streamflow gage (station 01010000). Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.3	0.2
2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.2	0.0	0.0
3	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.4
4	0.6	0.0	0.0	0.0	0.2	0.0	0.0	0.7	0.0	0.0	0.1	0.4
5	0.1	0.2	0.0	0.0	0.1	0.5	0.1	0.0	0.0	0.0	0.0	0.0
6	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.0	0.0	0.1	0.1	0.0
7	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0
8	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.6	0.2	0.1
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	1.3
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
11	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
12	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.1
13	0.0	0.9	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	1.5	0.0
14	0.0	0.1	0.0	0.0	0.1	0.0	0.7	0.1	0.0	0.0	1.2	0.0
15	0.7	0.0	0.9	0.0	0.0	0.0	0.0	0.1	0.6	0.2	0.0	0.0
16	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
17	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.7	0.2	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0
19	0.0	0.3	0.0	0.6	0.0	0.0	0.5	0.0	0.8	0.0	0.0	0.0
20	0.0	0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0
21	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.6	0.0	0.0	0.0
23	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0
24	0.0	0.0	0.4	0.0	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0
25	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.0	0.0
26	0.4	0.0	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
27	1.0	0.1	0.1	0.0	0.0	0.2	0.0	0.2	0.2	0.0	0.0	0.0
28	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
29	1.2	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.2	0.0	---	0.0	0.0	0.0	0.2	0.0	0.1	0.0
31	0.0	---	0.1	0.0	---	0.0	---	0.0	---	1.1	0.6	---
TOTAL	4.6	3.7	4.4	1.1	1.0	1.1	2.3	2.6	4.4	4.9	6.5	2.8



QUANTITY OF PRECIPITATION

470646069052501 DICKEY PRECIPITATION AT DICKEY, ME

LOCATION.--Lat 47°06'46", long 69°05'25", Aroostook County, Hydrologic Unit 01010001, on right bank at downstream side of State Route 161 highway bridge at Dickey, 0.4 mi downstream from Little Black River, and 2.8 mi upstream from Allagash River.

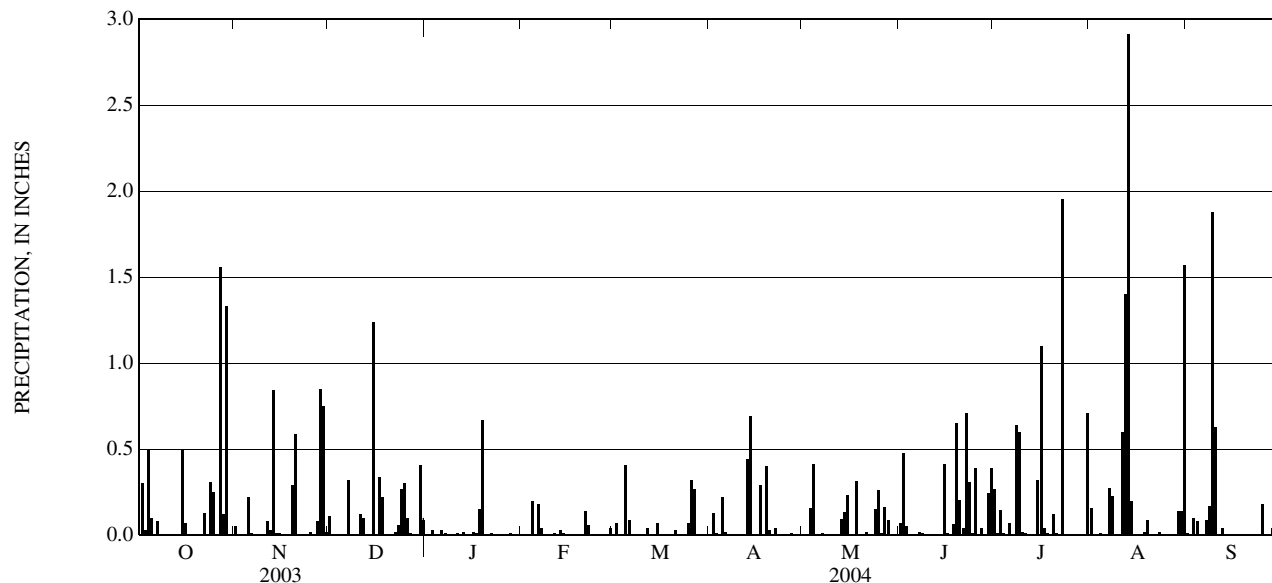
PERIOD OF RECORD.--October 2002 to current year. October 2002 to September 2003 published as "St. John River at Dickey, ME" (station 01010500).

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on top of gage house with the top of the collector 10 ft above the ground. Elevation of gage is 636 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage is operated in conjunction with a co-located streamflow gage (station 01010500). Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.05	0.11	0.00	0.00	0.00	0.00	0.00	0.07	0.27	0.16	0.01
2	0.30	0.00	0.00	0.00	0.00	0.07	0.13	0.00	0.48	0.01	0.00	0.00
3	0.03	0.00	0.00	0.03	0.00	0.00	0.01	0.16	0.05	0.14	0.00	0.10
4	0.50	0.00	0.00	0.00	0.20	0.00	0.00	0.41	0.00	0.01	0.01	0.08
5	0.10	0.22	0.00	0.00	0.00	0.41	0.22	0.00	0.00	0.00	0.00	0.00
6	0.00	0.01	0.00	0.03	0.18	0.09	0.02	0.00	0.00	0.07	0.00	0.00
7	0.08	0.00	0.32	0.01	0.04	0.00	0.00	0.01	0.02	0.00	0.27	0.09
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.64	0.23	0.17
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	1.88
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.63
11	0.00	0.08	0.12	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.60	0.00
12	0.00	0.03	0.10	0.00	0.00	0.04	0.00	0.00	0.00	0.00	1.40	0.04
13	0.00	0.84	0.00	0.02	0.03	0.00	0.44	0.09	0.00	0.00	2.91	0.00
14	0.00	0.01	0.00	0.00	0.01	0.00	0.69	0.13	0.00	0.00	0.20	0.00
15	0.50	0.01	1.24	0.00	0.00	0.07	0.00	0.23	0.41	0.32	0.00	0.00
16	0.07	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	1.10	0.00	0.00
17	0.00	0.00	0.34	0.01	0.00	0.00	0.29	0.00	0.00	0.04	0.00	0.00
18	0.00	0.00	0.22	0.15	0.00	0.00	0.00	0.32	0.06	0.01	0.02	0.00
19	0.00	0.29	0.00	0.67	0.00	0.00	0.40	0.00	0.65	0.01	0.09	0.00
20	0.00	0.59	0.00	0.00	0.00	0.00	0.03	0.00	0.20	0.12	0.00	0.00
21	0.00	0.00	0.00	0.00	0.14	0.03	0.00	0.02	0.04	0.01	0.00	0.00
22	0.13	0.00	0.02	0.01	0.06	0.00	0.04	0.00	0.71	0.00	0.00	0.00
23	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.31	1.95	0.02	0.00
24	0.31	0.00	0.27	0.00	0.00	0.00	0.00	0.15	0.01	0.00	0.00	0.00
25	0.25	0.02	0.30	0.00	0.00	0.07	0.00	0.26	0.39	0.00	0.00	0.18
26	0.00	0.00	0.10	0.00	0.00	0.32	0.00	0.01	0.00	0.00	0.00	0.00
27	1.56	0.08	0.01	0.00	0.00	0.27	0.01	0.16	0.04	0.00	0.00	0.00
28	0.12	0.85	0.00	0.01	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.04
29	1.33	0.75	0.00	0.00	0.04	0.00	0.00	0.00	0.25	0.00	0.14	0.00
30	0.00	0.02	0.41	0.00	---	0.00	0.00	0.00	0.39	0.00	0.14	0.00
31	0.00	---	0.09	0.00	---	0.00	---	0.00	---	0.71	1.57	---
TOTAL	5.28	3.85	3.71	0.97	0.71	1.37	2.28	2.04	4.10	6.04	7.76	3.22



QUANTITY OF SNOW

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DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)
435900070030001 DURHAM (NWS) SNOW SITE (1494-000) (LAT 43 59 00N LONG 070 03 00W)					
MAR 2004					
01...	6.0	1.80			
440336070163101 AUBURN SNOW SITE (1136-095) (LAT 44 03 36N LONG 070 16 31W)					
MAR 2004					
01...	8.8	2.40			
455656067593201 HOULTON (B) SNOW SITE (1208-011) (LAT 45 56 56N LONG 067 59 32W)					
MAR 2004					
02...	9.1	3.00			
460259068133001 DYER BROOK SNOW SITE (1110-035) (LAT 46 02 59N LONG 068 13 30W)					
FEB 2004			MAR 2004		
03...	14	3.00	15...	18	4.60
MAR			23...	18	4.40
03...	15	3.90	30...	11	3.60
09...	17	4.10	APR		
			06...	.30	.10
461948067502301 MONTICELLO SNOW SITE (1500-000) (LAT 46 19 48N LONG 067 50 23W)					
FEB 2004			APR 2004		
03...	18	4.20	06...	.30	.10
MAR					
03...	16	4.80			
09...	16	4.80			
15...	18	4.90			
23...	19	5.20			
462153068205801 KNOWLES CORNER SNOW SITE (1080-012) (LAT 46 21 53N LONG 068 20 58W)					
FEB 2004			APR 2004		
03...	18	3.90	06...	.30	.10
MAR					
03...	19	4.90			
09...	22	6.10			
15...	23	5.30			
30...	9.2	2.80			
463300068191201 Squa Pan (E) Snow site (1544) (LAT 46 33 00N LONG 068 19 12W)					
FEB 2004			APR 2004		
02...	16	4.00	06...	5.5	1.40
MAR					
02...	19	4.30			
07...	16	5.20			
16...	17	5.20			
30...	9.7	3.50			
463600070000001 DAAQUAM (B) (US) SNOW SITE (1426-134) (LAT 46 36 00N LONG 070 00 00W)					
MAR 2004					
09...	27	6.70			
463613069310901 CLAYTON LAKE SNOW SITE (1206-003) (LAT 46 36 13N LONG 069 31 09W)					
FEB 2004			APR 2004		
02...	18	4.40	06...	6.7	1.10
MAR					
02...	20	4.80			
09...	21	5.80			
16...	19	4.80			
23...	22	5.90			
463619069081201 MUSQUACOOK SNOW SITE (1297-133) (LAT 46 36 19N LONG 069 08 12W)					
FEB 2004			APR 2004		
02...	20	4.50	06...	9.4	1.20
MAR			13...	5.5	.90
02...	23	5.10			
09...	21	5.40			
16...	22	6.00			
23...	22	5.60			

QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)
464051068450201 MACHIAS LAKE SNOW SITE (1064-132) (LAT 46 40 51N LONG 068 45 02W)					
FEB 2004			MAR 2004		
02...	20	4.40	09...	23	6.30
MAR			16...	22	6.10
02...	24	5.40	23...	23	6.00
464829068294401 PORTGAGE AT HATHAWAY ROAD SNOW SITE (1545-000) (LAT 46 48 29N LONG 068 29 44W)					
FEB 2004			APR 2004		
02...	18	3.80	06...	8.3	1.80
MAR			13...	1.9	.80
03...	18	5.20			
09...	18	5.50			
16...	18	5.40			
23...	20	5.40			
30...	12	4.50			
465232068000601 CARIBOU (B) (MEDICAL CENTER) SNOW SITE (1520-000) (LAT 46 52 32N LONG 068 00 06W)					
FEB 2004			MAR 2004		
03...	18	4.20	16...	15	4.30
MAR			23...	17	5.00
03...	14	4.10	30...	7.6	3.00
09...	17	4.60	APR		
			06...	.30	.10
465350068305901 WINTERVILLE SNOW SITE (1090-021) (LAT 46 53 50N LONG 068 30 59W)					
FEB 2004			APR 2004		
03...	19	4.60	06...	14	3.70
MAR			13...	12	3.60
02...	21	5.40			
15...	26	6.20			
23...	25	5.30			
30...	18	6.10			
465451069423401 SEVEN ISLANDS (CHARLIE POND) SNOW SITE (1266-136) (LAT 46 54 51N LONG 069 42 34W)					
FEB 2004			MAR 2004		
03...	18	5.80	16...	13	5.10
MAR			23...	13	6.10
02...	13	4.20	27...	14	6.00
09...	18	7.00	APR		
			06...	6.6	3.20
470432069041501 ALLAGASH SNOW SITE (1038-001) (LAT 47 04 32N LONG 069 04 15W)					
JAN 2004			MAR 2004		
06...	12	2.00	09...	25	6.80
FEB			16...	24	6.60
03...	19	4.80	23...	23	5.80
MAR			30...	14	3.80
02...	23	6.60	APR		
			06...	9.8	2.50
470501068135301 GUERETTE SNOW SITE (1061-135) (LAT 47 05 01N LONG 068 13 53W)					
FEB 2004			MAR 2004		
03...	16	3.70	16...	17	3.50
MAR			22...	18	3.80
02...	18	5.00	30...	12	3.60
09...	19	4.90	APR		
			06...	11	2.40
471412068345201 FORT KENT SNOW SITE (1022-008) (LAT 47 14 12N LONG 068 34 52W)					
FEB 2004			MAR 2004		
03...	17	3.90	16...	21	5.00
MAR			22...	24	5.50
02...	19	5.00	30...	16	5.30
09...	20	5.00	APR		
			06...	11	2.50

QUANTITY OF SNOW

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DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)
434403070152601 FALMOUTH SNOW SITE (1183-112) (LAT 43 44 03N LONG 070 15 26W)					
JAN 2004			MAR 2004		
06...	.50	.10	09...	.00	.00
FEB			16...	.00	.00
03...	.30	.10	23...	.00	.00
MAR			30...	.00	.00
03...	.30	.10	APR		
			06...	.00	.00
434538070310101 SEBAGO SNOW SITE (1083-111) (LAT 43 45 38N LONG 070 31 01W)					
FEB 2004			MAR 2004		
03...	4.7	1.10	03...	3.5	1.30
			09...	1.2	.40
434900070461401 CORNISH SNOW SITE (1056-114) (LAT 43 49 00N LONG 070 46 14W)					
JAN 2004			MAR 2004		
06...	4.4	1.30	09...	6.0	1.80
FEB			16...	.00	.00
03...	4.5	1.20	30...	.00	.00
MAR			APR		
03...	6.8	2.10	12...	.00	.00
435223070422501 DOUGLAS MOUNTAIN (NWS) SNOW SITE (1526-000) (LAT 43 52 23N LONG 070 42 25W)					
FEB 2004			MAR 2004		
03...	4.5	2.50	03...	9.0	2.30
			09...	5.0	1.80
435244070375701 NORTH SEBAGO (NWS) SNOW SITE (1527) (LAT 43 52 44N LONG 070 37 57W)					
MAR 2004			MAR 2004		
02...	6.0	2.20	09...	4.2	1.60
			16...	.30	.10
435259070150001 GRAY (NWS) SNOW SITE (1509-000) (LAT 43 52 59N LONG 070 15 00W)					
JAN 2004			MAR 2004		
06...	.50	.20	03...	4.9	1.60
12...	.00	.00	16...	.00	.00
FEB			23...	.00	.00
03...	2.5	.50	30...	.00	.00
			APR		
			06...	.00	.00
443450070200201 DIXFIELD (B) SNOW SITE (1546-000) (LAT 44 34 50N LONG 070 20 02W)					
MAR 2004			APR 2004		
09...	14	4.30	05...	6.8	2.00
15...	15	4.60	12...	.30	.10
22...	15	4.70			
29...	9.5	3.70			
443514070211601 DIXFIELD SNOW SITE (1151-098) (LAT 44 35 14N LONG 070 21 16W)					
JAN 2004			FEB 2004		
05...	13	3.40	02...	12	3.50
444551070263801 WELD-PHILLIPS SNOW SITE (1133-107) (LAT 44 45 51N LONG 070 26 38W)					
JAN 2004			MAR 2004		
05...	12	3.30	15...	15	4.80
FEB			22...	16	5.50
02...	12	3.70	29...	6.9	2.50
MAR			APR		
01...	16	4.80	05...	3.0	1.30
09...	14	4.40	12...	.00	.00
445730070070801 KINGFIELD SNOW SITE (1187-159) (LAT 44 57 30N LONG 070 07 08W)					
JAN 2004			MAR 2004		
05...	12	3.30	15...	14	4.70
FEB			22...	15	4.50
02...	13	3.70	29...	10	3.40
MAR			APR		
01...	18	5.20	05...	2.2	1.00
09...	16	4.80	12...	.30	.10

QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)
443324068474901 BUCKSPORT SNOW SITE (1146-027) (LAT 44 33 24N LONG 068 47 49W)					
JAN 2004			APR 2004		
06...	.50	.10	06...	.00	.00
MAR			13...	.00	.00
02...	5.4	1.40			
09...	.30	.10			
16...	.30	.10			
30...	.00	.00			
443748068072701 FRANKLIN SNOW SITE (1112-124) (LAT 44 37 48N LONG 068 07 27W)					
MAR 2004					
02...	7.0	1.60			
441723069422801 AUGUSTA SNOW SITE (1008-066) (LAT 44 17 23N LONG 069 42 28W)					
JAN 2004			MAR 2004		
06...	1.4	.10	16...	.30	.10
FEB			23...	.30	.10
03...	.30	.10	30...	.00	.00
MAR			APR		
01...	7.9	2.10	06...	.30	.10
09...	3.7	.80	13...	.00	.00
442059069530301 MANCHESTER SNOW SITE (1118-084) (LAT 44 20 59N LONG 069 53 03W)					
MAR 2004					
01...	7.1	2.00			
443116069525801 BELGRADE SNOW SITE (1123-067) (LAT 44 31 16N LONG 069 52 58W)					
JAN 2004			MAR 2004		
06...	9.7	2.20	16...	3.6	1.10
FEB			23...	5.4	1.80
03...	10	2.40	30...	.00	.00
MAR			APR		
03...	14	3.75	06...	.30	.10
08...	8.2	2.60	13...	.00	.00
441250069105701 SOUTH HOPE SNOW SITE (1325-127) (LAT 44 12 50N LONG 069 10 57W)					
JAN 2004			MAR 2004		
06...	.50	.10	16...	.00	.00
FEB			23...	1.6	.40
03...	.30	.10	30...	.00	.00
MAR			APR		
02...	5.7	1.80	06...	.00	.00
09...	.00	.00	13...	.00	.00
441156069294401 JEFFERSON SNOW SITE (1318-137) (LAT 44 11 56N LONG 069 29 44W)					
JAN 2004			MAR 2004		
06...	1.8	.50	16...	.90	.40
FEB			23...	.30	.10
03...	.30	.10	30...	.00	.00
MAR			APR		
02...	8.8	2.40	06...	.00	.00
09...	4.8	1.40	13...	.00	.00
435743070475501 DENMARK SNOW SITE (1184-115) (LAT 43 57 43N LONG 070 47 55W)					
MAR 2004					
01...	15	4.40			
442227070190101 HARTFORD (NWS) SNOW SITE (1516-000) (LAT 44 22 27N LONG 070 19 01W)					
JAN 2004			MAR 2004		
05...	7.0	3.10	01...	18	3.40
FEB			09...	11	3.00
03...	10	2.90	15...	7.0	2.60
			22...	4.5	2.20

QUANTITY OF SNOW

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DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)
442451070501601 BETHEL SNOW SITE (1045-097) (LAT 44 24 51N LONG 070 50 16W)					
JAN 2004			MAR 2004		
05...	14	4.40	15...	10	4.30
FEB			22...	15	4.70
02...	14	3.70	29...	4.7	1.80
MAR			APR		
01...	16	4.70	05...	2.8	1.10
09...	13	4.60	12...	.30	.10
443412070542201 NEWRY (SCREW AUGER FALLS) SNOW SITE (1169-180) (LAT 44 34 12N LONG 070 54 22W)					
JAN 2004			MAR 2004		
05...	17	5.10	15...	20	6.00
FEB			22...	20	6.30
02...	18	4.50	29...	17	4.70
MAR			APR		
01...	25	7.20	05...	12	3.50
09...	21	4.50	12...	4.4	1.60
443836070350801 ROXBURY SNOW SITE (1051-102) (LAT 44 38 36N LONG 070 35 08W)					
JAN 2004			MAR 2004		
05...	15	3.80	15...	15	4.90
FEB			22...	15	5.00
02...	16	3.90	29...	9.6	3.50
MAR			APR		
01...	21	5.10	05...	3.4	1.40
09...	16	5.00	12...	.30	.10
444053069084801 DIXMONT SNOW SITE (1205-032) (LAT 44 40 53N LONG 069 08 48W)					
JAN 2004			MAR 2004		
06...	3.6	.90	16...	5.1	1.20
FEB			23...	8.7	2.80
03...	3.8	.60	30...	.00	.00
MAR			APR		
02...	11	2.60	06...	2.8	.40
09...	7.4	2.20	13...	.00	.00
445346068530301 KENDUSKEAG SNOW SITE (1099-040) (LAT 44 53 46N LONG 068 53 03W)					
JAN 2004			MAR 2004		
06...	6.2	1.40	02...	13	3.40
FEB			09...	4.5	1.20
03...	7.2	1.20	15...	2.7	.90
			23...	9.8	3.20
			30...	.00	.00
450237069185901 DEXTER SNOW SITE (1165-077) (LAT 45 02 37N LONG 069 18 59W)					
JAN 2004			MAR 2004		
06...	3.1	.60	08...	10	2.80
FEB			16...	8.9	2.80
03...	10	3.00	23...	9.4	2.80
MAR			30...	.30	.10
03...	12	2.70	APR		
			06...	.30	.10
451138068281601 LOWELL SNOW SITE (1005-046) (LAT 45 11 38N LONG 068 28 16W)					
MAR 2004					
02...	14	3.40			
452249068265801 LINCOLN SNOW SITE (1132-045) (LAT 45 22 49N LONG 068 26 58W)					
JAN 2004			MAR 2004		
06...	2.6	.70	15...	7.2	1.50
FEB			23...	7.2	2.00
03...	7.6	2.00	30...	1.9	.50
MAR			APR		
02...	12	3.40	06...	.30	.10
09...	7.5	2.00	13...	.30	.10
453559068265901 MATTASEUNK SNOW SITE (1201-047) (LAT 45 35 59N LONG 068 26 59W)					
MAR 2004					
02...	17	4.90			

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454346068351301 GRINDSTONE SNOW SITE (1004-038) (LAT 45 43 46N LONG 068 35 13W)					
MAR 2004					
02...	16	5.30			
450826069204101 DOVER-FOXCROFT (B) SNOW SITE (1020-034) (LAT 45 08 26N LONG 069 20 41W)					
MAR 2004					
03...	16	3.80			
451015069351701 KINGSBURY SNOW SITE (1195-041) (LAT 45 10 15N LONG 069 35 17W)					
JAN 2004			MAR 2004		
06...	14	3.60	16...	17	5.10
FEB			23...	16	5.30
03...	15	3.40	30...	11	4.10
MAR			APR		
03...	17	3.95	06...	7.9	2.10
08...	16	3.80	13...	2.0	.50
451500069135901 GREELEY'S LANDING (NWS) SNOW SITE (1492-000) (LAT 45 15 00N LONG 069 13 59W)					
MAR 2004			MAR 2004		
02...	17	3.80	16...	14	3.50
08...	14	3.20	23...	13	3.40
			30...	10	2.90
451700069005501 MILO SNOW SITE (1006-052) (LAT 45 17 00N LONG 069 00 55W)					
JAN 2004			MAR 2004		
06...	8.5	1.90	16...	11	3.20
FEB			23...	11	3.70
03...	11	2.70	30...	4.5	1.70
MAR			APR		
02...	14	3.90	06...	.00	.00
08...	12	3.30	13...	.30	.10
451829069073001 BARNARD PLT. (NWS) SNOW SITE (1384-061) (LAT 45 18 29N LONG 069 07 30W)					
MAR 2004			MAR 2004		
03...	11	3.10	15...	8.9	2.60
08...	10	3.00	23...	7.5	2.40
451955069324701 MONSON SNOW SITE (1190-053) (LAT 45 19 55N LONG 069 32 47W)					
MAR 2004					
03...	17	4.35			
461013069122901 CHAMBERLAIN BRIDGE (NWS) SNOW SITE (1522-000) (LAT 46 10 13N LONG 069 12 29W)					
FEB 2004			APR 2004		
02...	19	4.70	06...	7.7	1.90
MAR			13...	.30	.10
02...	19	4.80			
08...	19	5.00			
15...	20	5.00			
23...	19	5.10			
30...	10	3.40			
462933069171101 CHURCHILL DAM (NWS) SNOW SITE (1521-000) (LAT 46 29 33N LONG 069 17 11W)					
FEB 2004			APR 2004		
02...	19	4.00	06...	9.8	2.70
MAR			13...	4.8	1.50
02...	24	5.50			
08...	22	5.20			
15...	25	6.20			
23...	24	6.10			
30...	15	4.20			
440009069565001 TOPSHAM SNOW SITE (1170-104) (LAT 44 00 09N LONG 069 56 50W)					
JAN 2004			MAR 2004		
06...	.50	.10	16...	.00	.00
FEB			23...	.00	.00
03...	.90	.20	30...	.00	.00
MAR			APR		
03...	3.4	1.20	06...	.00	.00
09...	.30	.10	12...	.00	.00

QUANTITY OF SNOW

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DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)
444055069535301 MERCER SNOW SITE (1015-085) (LAT 44 40 55N LONG 069 53 53W)					
JAN 2004			MAR 2004		
06...	12	3.30	16...	13	4.30
FEB			23...	12	3.40
03...	11	2.70	30...	3.2	1.00
MAR			APR		
03...	15	3.75	06...	.30	.10
08...	15	3.30	13...	.00	.00
444408069254501 PITTSFIELD (B) SNOW SITE (1050-091) (LAT 44 44 08N LONG 069 25 45W)					
FEB 2004			APR 2004		
03...	7.3	1.95	06...	.30	.10
MAR			13...	.00	.00
02...	13	3.90			
08...	7.3	2.30			
16...	6.9	2.00			
23...	6.6	2.10			
30...	.30	.10			
445226069565301 NORTH ANSON SNOW SITE (1024-088) (LAT 44 52 26N LONG 069 56 53W)					
JAN 2004			MAR 2004		
05...	12	3.00	15...	14	4.60
FEB			22...	14	4.50
02...	12	3.70	29...	4.8	1.80
MAR			APR		
01...	18	5.30	05...	1.1	.50
09...	14	4.50	12...	.00	.00
445730069361501 HARMONY-ATHENS SNOW SITE (1159-161) (LAT 44 57 30N LONG 069 36 15W)					
MAR 2004					
03...	16	3.35			
445847069515101 SOLON (BINGHAM) SNOW SITE (1153-069) (LAT 44 58 47N LONG 069 51 51W)					
JAN 2004			MAR 2004		
06...	13	3.20	16...	14	4.50
FEB			23...	12	3.70
03...	12	2.90	30...	6.3	2.10
MAR			APR		
03...	16	3.45	06...	.25	.12
08...	14	4.10	13...	.30	.10
450559069464501 MAYFIELD (BINGHAM UPPER) SNOW SITE (1066-068) (LAT 45 05 59N LONG 069 46 45W)					
MAR 2004					
03...	23	5.20			
452038069565501 THE FORKS SNOW SITE (1002-094) (LAT 45 20 38N LONG 069 56 55W)					
JAN 2004			MAR 2004		
06...	18	4.60	16...	17	4.60
FEB			23...	18	5.60
03...	17	3.20	30...	13	4.70
MAR			APR		
03...	20	4.75	06...	7.2	1.70
08...	20	5.10	13...	8.1	2.20
461741069590101 BAKER LAKE (B) (MFS) SNOW SITE (1547-000) (LAT 46 17 41N LONG 069 59 01W)					
FEB 2004			MAR 2004		
06...	22	3.90	31...	14	4.20
462826069523501 ST. JUSTE (MFS) SNOW SITE (1548-000) (LAT 46 28 26N LONG 069 52 35W)					
FEB 2004			MAR 2004		
06...	20	4.00	31...	12	3.70
442412069133801 SEARSMONT SNOW SITE (1093-126) (LAT 44 24 12N LONG 069 13 38W)					
JAN 2004			MAR 2004		
06...	1.7	.10	16...	1.4	.60
FEB			23...	1.9	.50
03...	3.8	.60	30...	.00	.00
MAR			APR		
02...	6.7	2.00	06...	.00	.00
09...	3.0	.80	13...	.00	.00

QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)
444229067312801 WHITNEYVILLE SNOW SITE (1041-130) (LAT 44 42 29N LONG 067 31 28W)					
MAR 2004					
02...	7.0	1.70			
444311067450801 COLUMBIA FALLS/EPPING SNOW SITE (1317-145) (LAT 44 43 11N LONG 067 45 08W)					
MAR 2004					
02...	6.8	1.60			
445022068043701 BEDDINGTON SNOW SITE (1117-131) (LAT 44 50 22N LONG 068 04 37W)					
JAN 2004			MAR 2004		
06...	3.5	.70	09...	9.5	2.90
FEB			15...	6.3	1.70
03...	9.3	2.00	23...	9.2	2.10
MAR			30...	1.7	.40
02...	11	2.50	APR		
			06...	2.8	.50
445833067384301 WESLEY SNOW SITE (1327-147) (LAT 44 58 33N LONG 067 38 43W)					
JAN 2004			MAR 2004		
06...	3.5	.70	09...	5.8	1.80
FEB			15...	3.4	1.20
03...	6.8	1.80	23...	6.0	1.40
MAR			30...	.30	.10
02...	8.5	2.60	APR		
			06...	1.6	.40
450634067194201 BARING SNOW SITE (1152-023) (LAT 45 06 34N LONG 067 19 42W)					
JAN 2004			MAR 2004		
06...	4.7	1.10	15...	10	2.50
FEB			23...	13	4.40
03...	12	3.00	30...	6.6	2.10
MAR			APR		
02...	16	4.20	06...	8.4	1.80
09...	13	4.70	13...	.30	.10
452435067581401 CARROL-KOSSUTH SNOW SITE (1075-028) (LAT 45 24 35N LONG 067 58 14W)					
MAR 2004					
02...	19	5.80			
452623067442901 TOPSFIELD SNOW SITE (1154-025) (LAT 45 26 23N LONG 067 44 29W)					
JAN 2004			MAR 2004		
06...	6.7	2.20	15...	15	3.60
FEB			23...	15	4.10
03...	11	2.60	30...	7.8	2.40
MAR			APR		
02...	13	3.80	06...	5.8	.90
09...	12	4.00	13...	.30	.10
453900067491001 DANFORTH SNOW SITE (1331-036) (LAT 45 39 00N LONG 067 49 10W)					
MAR 2004					
02...	16	5.10			
431232070471101 SOUTH BERWICK SNOW SITE (1324-143) (LAT 43 12 32N LONG 070 47 11W)					
MAR 2004			APR 2004		
03...	.00	.00	06...	.00	.00
09...	.30	.10	12...	.00	.00
16...	.00	.00			
23...	.00	.00			
30...	.00	.00			
431943070543801 SOUTH LEBANON SNOW SITE (1069-128) (LAT 43 19 43N LONG 070 54 38W)					
MAR 2004					
03...	.00	.00			

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DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)
432500070394001 WEST KENNEBUNK SNOW SITE (1121-129) (LAT 43 25 00N LONG 070 39 40W)					
JAN 2004			MAR 2004		
06...	1.6	.40	16...	.00	.00
FEB			23...	.00	.00
03...	4.3	1.10	30...	.00	.00
MAR			APR		
03...	3.5	1.20	06...	.00	.00
			12...	.00	.00
433159070290301 SAGO (TANNERY SITE) SNOW SITE (1490-240) (LAT 43 31 59N LONG 070 29 03W)					
JAN 2004			MAR 2004		
06...	.50	.10	16...	.00	.00
FEB			23...	.00	.00
03...	2.5	.90	30...	.00	.00
MAR			APR		
03...	3.8	1.30	06...	.00	.00
			12...	.00	.00
433750070535501 NEWFIELD SNOW SITE (1192-117) (LAT 43 37 50N LONG 070 53 55W)					
JAN 2004			MAR 2004		
06...	2.4	.70	03...	5.0	2.00
FEB			09...	2.4	.80
03...	5.3	1.10			
433900070401101 HOLLIS (NWS) SNOW SITE (1510-000) (LAT 43 39 00N LONG 070 40 11W)					
JAN 2004			MAR 2004		
06...	2.4	.60	16...	.00	.00
FEB			23...	.00	.00
03...	5.0	1.30	30...	.00	.00
MAR			APR		
03...	4.0	1.50	05...	.00	.00
09...	2.5	.70	12...	.00	.00

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Conversion Factors

Multiply	By	To obtain
Length		
inch (in.)	2.54×10^1	millimeter (mm)
	2.54×10^{-2}	meter (m)
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^0	kilometer (km)
Area		
acre	4.047×10^3	square meter (m ²)
	4.047×10^{-1}	square hectometer (hm ²)
	4.047×10^{-3}	square kilometer (km ²)
square mile (mi ²)	2.590×10^0	square kilometer (km ²)
Volume		
gallon (gal)	3.785×10^0	liter (L)
	3.785×10^{-3}	cubic meter (m ³)
	3.785×10^0	cubic decimeter (dm ³)
million gallons (Mgal)	3.785×10^3	cubic meter (m ³)
	3.785×10^{-3}	cubic hectometer (hm ³)
cubic foot (ft ³)	2.832×10^{-2}	cubic meter (m ³)
	2.832×10^1	cubic decimeter (dm ³)
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter (m ³)
	2.447×10^{-3}	cubic hectometer (hm ³)
acre-foot (acre-ft)	1.233×10^3	cubic meter (m ³)
	1.233×10^{-3}	cubic hectometer (hm ³)
	1.233×10^{-6}	cubic kilometer (km ³)
Flow		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second (L/s)
	2.832×10^{-2}	cubic meter per second (m ³ /s)
	2.832×10^1	cubic decimeter per second (dm ³ /s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m ³ /s)
	6.309×10^{-2}	cubic decimeter per second (dm ³ /s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second (m ³ /s)
	4.381×10^1	cubic decimeter per second (dm ³ /s)
Mass		
ton (short)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:
 $^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$

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