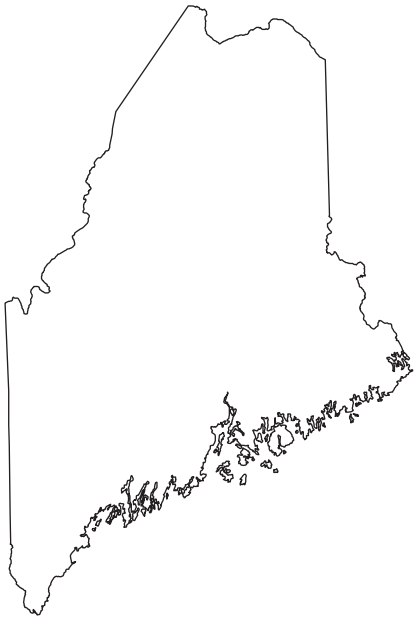
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Water Resources Data
Maine
Water Year 2005



Water-Data Report ME-05-1

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

Calendar for Water Year 2005

2004

October

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
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31						

November

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2005

January

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March

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April

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June

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July

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August

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September

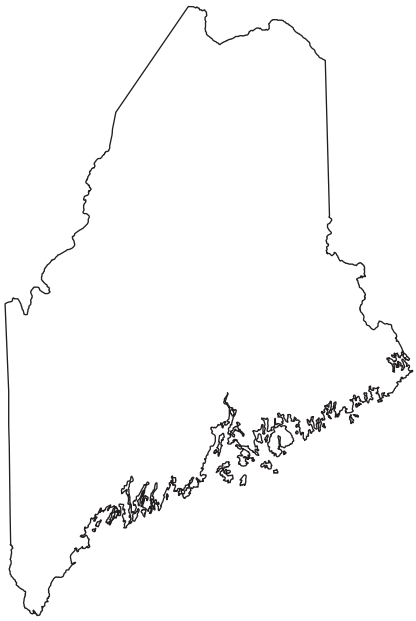
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U.S. Department of the Interior
U.S. Geological Survey

Water Resources Data
Maine
Water Year 2005

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

Water-Data Report ME-05-1



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

U.S. DEPARTMENT OF THE INTERIOR
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U.S. GEOLOGICAL SURVEY
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Augusta, ME 04330

2006

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
Josh P. Kempf
Joseph P. Nielsen
Martha G. Nielsen
Nick W. Stasulis

Anita Cotton of the NH/VT Water Science Center 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, Director, USGS Maine Water Science Center.

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The Maine Water Science Center 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 2005 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, 64 discharge gaging stations, stream water-quality data for 9 stations, water level for 23 ground-water wells, water-quality data for 20 ground-water wells, precipitation quantity data for 16 stations, and snow quantity data for 74 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.

14. SUBJECT TERMS
*Maine, *Hydrologic Data, *Surface Water, *Ground Water, *Water Quality, Flow Rate, Gaging Stations, Chemical Analyses, Water Temperature, Sediments, Sampling Sites, Water Levels, Water Analyses

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[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.]

NORTH ATLANTIC SLOPE BASINS	Station number	Page
ST. JOHN RIVER BASIN		
St. John River at Ninemile Bridge (d)	01010000	40
Big Black River near Depot Mountain (d)	01010070	42
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Allagash River near Allagash (d)	01011000	46
St. Francis River at outlet of Glasier Lake, near Connors, New Brunswick (d)	01011500	48
Fish River near Fort Kent (d)	01013500	50
St. John River below Fish River, at Fort Kent (d)	01014000	52
Aroostook River near Masardis (d)	01015800	54
Aroostook River at Washburn (d)	01017000	56
Prestile Stream:		
Williams Brook at Phair (d)	01017550	58
Meduxnekueg River above South Branch Meduxnekeag River near Houlton (d,m)	01017960	60
Meduxnekeag River near Houlton (d,m)	01018000	66
Meduxnekeag River at Lowery Rd. at Houlton (d,m)	01018035	72
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St. Croix River at Vanceboro (d)	01018500	78
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St. Croix River at Baring (d)	01021000	82
St. Croix River at Milltown (m)	01021050	84
DENNYS RIVER BASIN		
Dennys River at Dennysville (d,m)	01021200	90
Cathance Stream at Edmonds (d)	01021230	100
MACHIAS RIVER BASIN		
Machias River:		
Mopang Stream near Beddington (d)	01021452	102
Libby Brook near Northfield (d)	01021470	104
Old Stream near Wesley (d)	01021480	106
Machias River at Whitneyville (d)	01021500	108
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Pleasant River above Colonel Brook near Crebo Flats (d)	01022210	110
Pleasant River near Crebo Flats (d)	01022220	112
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Narraguagus River:		
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Otter Creek:		
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Kingsbury Stream at Abbot Village (d)	01031450	140
Piscataquis River near Dover-Foxcroft (d)	01031500	142
Piscataquis River at Medford (d)	01034000	144
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Carrabassett River near North Anson (d)	01047000	162
Sandy River near Mercer (d)	01048000	164
Sebasticook River near Pittsfield (d)	01049000	166
Kennebec River at North Sidney (d)	01049265	168
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Androscoggin River:		
Umbagog Lake:		
Magalloway River:		
Diamond River near Wentworth Location, NH (d)	01052500	176
Androscoggin River at Errol, NH (d)	01053500	178
Androscoggin River near Gorham, NH (d)	01054000	180
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Ellis River near South Andover (d)	01054300	186
Androscoggin River at Rumford (d)	01054500	188
Swift River near Roxbury (d)	01055000	190
Androscoggin River at Jay (m)	01055100	192
Dead River at Leeds (g)	01055220	198
Nezinscot River at Turner Center (d)	01055500	200
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Saco River near Conway, NH (d)	01064500	212
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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, (e) minor element, (n) nutrient]

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North Anson Precipitation near North Anson, ME	445210069571901	252
Dennysville Precipitation at Dennysville, ME	445404067145201	253
Bingham Precipitation at Bingham, ME	450306069531101	254
Kingsbury Precipitation at Kingsbury, ME	450705069384801	255
Dover-Foxcroft Precipitation near Dover-Foxcroft, ME	451031069185301	256
Abbot Precipitation at Abbot Village, ME	451105069270801	257
Blanchard Precipitation at Blanchard, ME	451603069350101	258
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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
Royal River basin			
Royal River at Yarmouth, ME (d)	01060000	141	1950-2004
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	1975-80
			sd	1976
Allagash River near Allagash, ME	01011000	1,229	sc,wt	1975-80
			sd	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	1989-95
			pH	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	1966-78
			sc	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	1958-71
				1974-76
			sc	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	1981, 1995
			sc,do	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
441849069442001	KW 52	Kennebec	Augusta	Glacial Till	1960-2004
442023069553801	KW 88	"	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--Continu;ed

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 64 gaging stations, gage-height at 6 gaging stations, water quality data at 9 gaging stations, water levels at 23 observation wells, precipitation totals for 16 sites, and snow quantity for 74 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 l968 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-05-1." 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 USGS Water Science Center at the address given on the back of the title page or by telephone (207) 622-8201.

Data published in these water-data reports is 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 Company
John Clark, General Manager
Maine Atlantic Salmon Commission
Patrick Keliher, Executive Director
Maine Department of Conservation,
Patrick McGowan, Commissioner
Maine Department of Defense, Veterans and Emergency Management,
John Libby, Commissioner
Maine Department of Environmental Protection
Dawn Gallagher, Commissioner
Maine Department of Transportation,
David Cole, Commissioner
Passamaquoddy Tribe
Melvin Francis, Tribal Governor
Piscataquis County
Woodruffe Bartley Jr., County Commissioner
Town of Jay,
Ruth Marden, Town Manager
Town of Windham,
Tony Plante, Town Manager
University of Maine,
Robert Kennedy, 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:

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

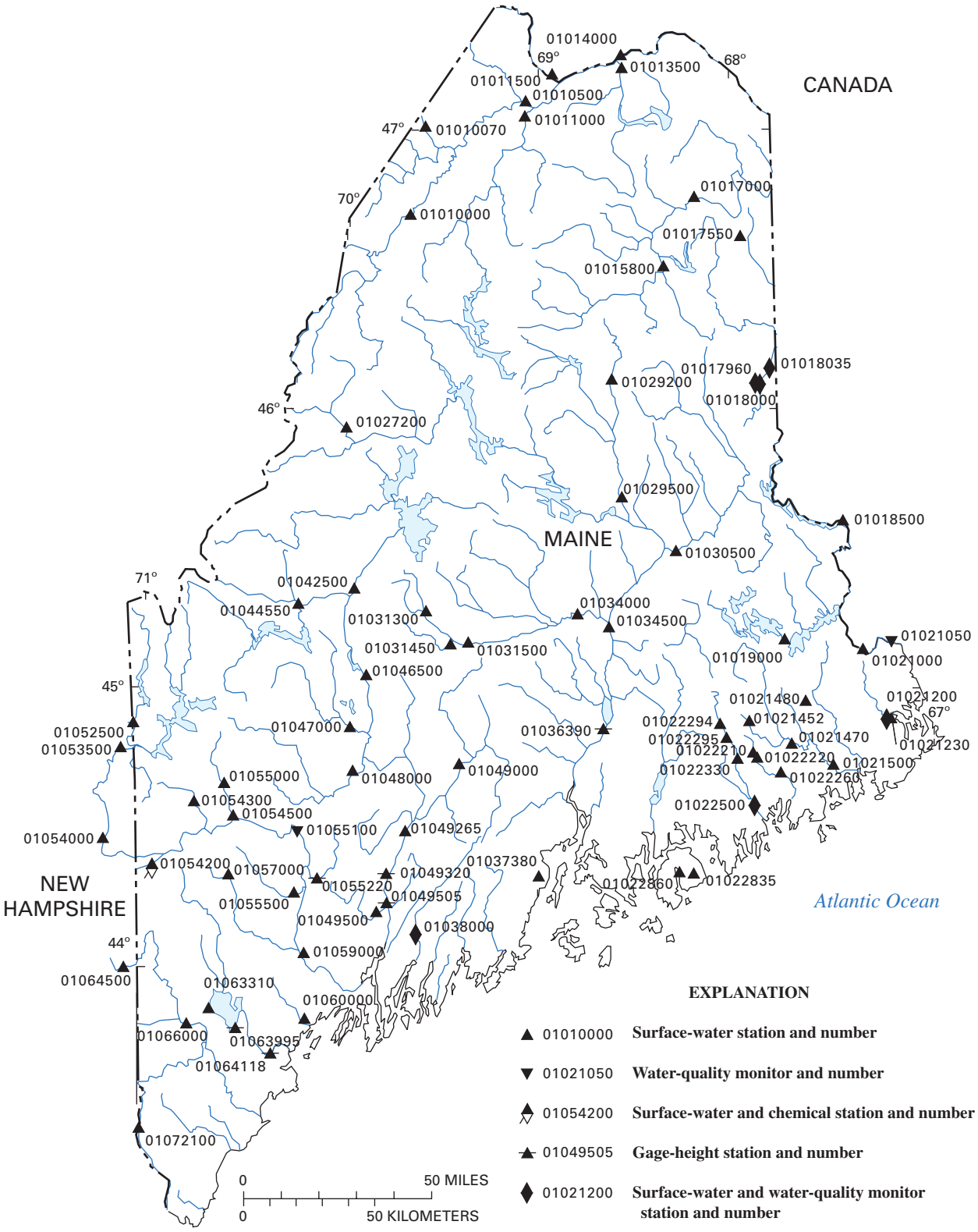


Figure 1. Location of active surface-water and water-quality gaging stations.



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

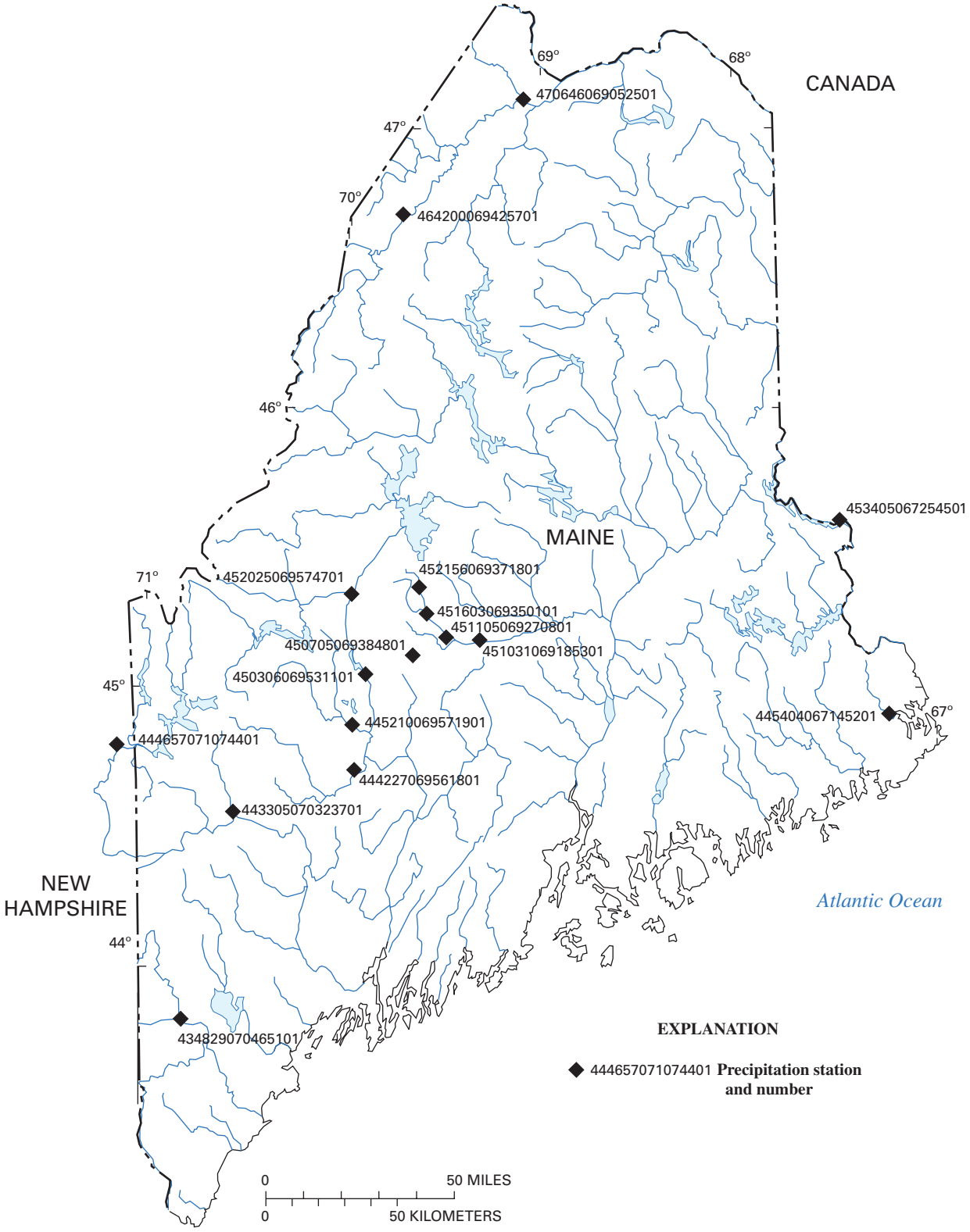


Figure 3. Location of active precipitation quantity stations.

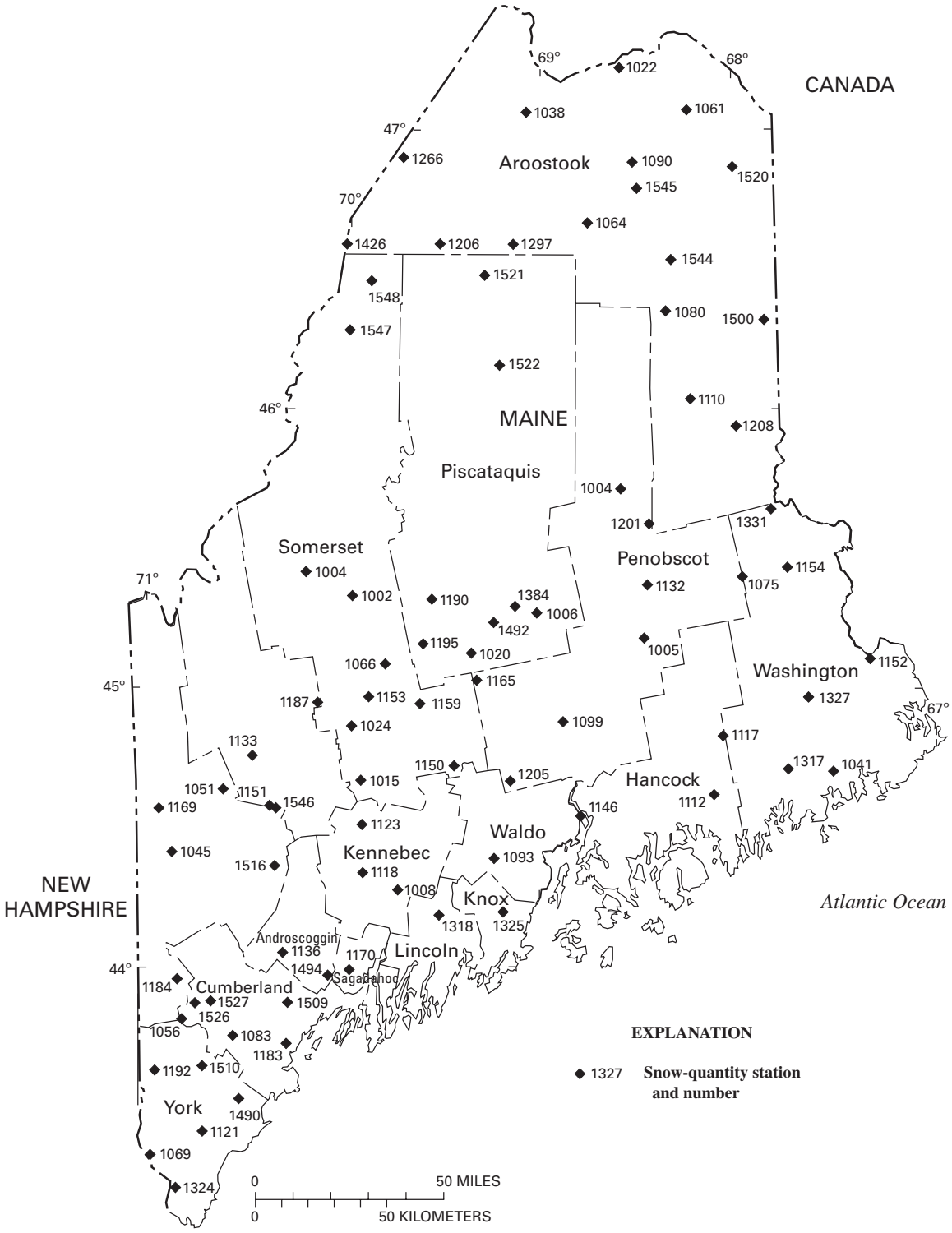


Figure 4. Location of active snow quantity stations.

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 2005 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 above normal range at 33 of 42 sites (79 percent) and in the normal range at 9 sites (21 percent). Sites in the normal range were primarily in the northern portion of the state. No sites were in the below normal range. The 2005 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.

Floods and Droughts

Two significant precipitation events caused wide-spread flooding in April 2005. An additional precipitation event in late May also caused flooding primarily in the eastern portion of the state. Annual peak flows had a 2- year to 5-year recurrence interval at 15 sites, a 5-year to 10-year recurrence interval at 13 sites, a 10-year to 25-year recurrence interval at 10 sites, and a 25-year to 50-year recurrence interval at 2 sites. The greatest recurrence interval peak flows were in the St. John basin in the northern portion of the state, the coastal basins in the central portion of the state, the Penobscot basin in the northern and central portion of the state, and in the Androscoggin basin in the western portion of the state.

Monthly surface water conditions for seven long term index sites were in the above normal range 36 percent of the year, in the normal range 46 percent of the year, and in the below normal range 8 percent of the year (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). Record high monthly means occurred in April 2005 for two index stations in the central part of the state with the remainder of the state in the upper 90 percent of the record.

Minimum flows at most sites occurred in mid to late August in the northern and central portions of the state or late August to early September in the remainder of the state. A near record low monthly mean (lower 10 percent of the record) occurred in August in the very northern part of the state. The lowest recurrence interval low flows occurred in the northern portion of the state.

Water Quality

Eight continuous recording monitoring stations were operated in water-year 2005. Five stations recorded specific conductance, water temperature, dissolved oxygen, and pH. Two stations recorded water temperature only. One station recorded specific conductance, water temperature, and pH.

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 were also 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 2005 water year. Monthly ground-water levels for eight index wells were above normal 30% of the time, normal 62% of the time, and below normal 8% of the time in water year 2005. Record high monthly ground-water levels, at the eight index wells, were recorded in 1 well in April, 3 wells in May, and 4 wells in June.

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. 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

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 the 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. Additional information can be found at the following web page:

http://ny.cf.er.usgs.gov/hbn/

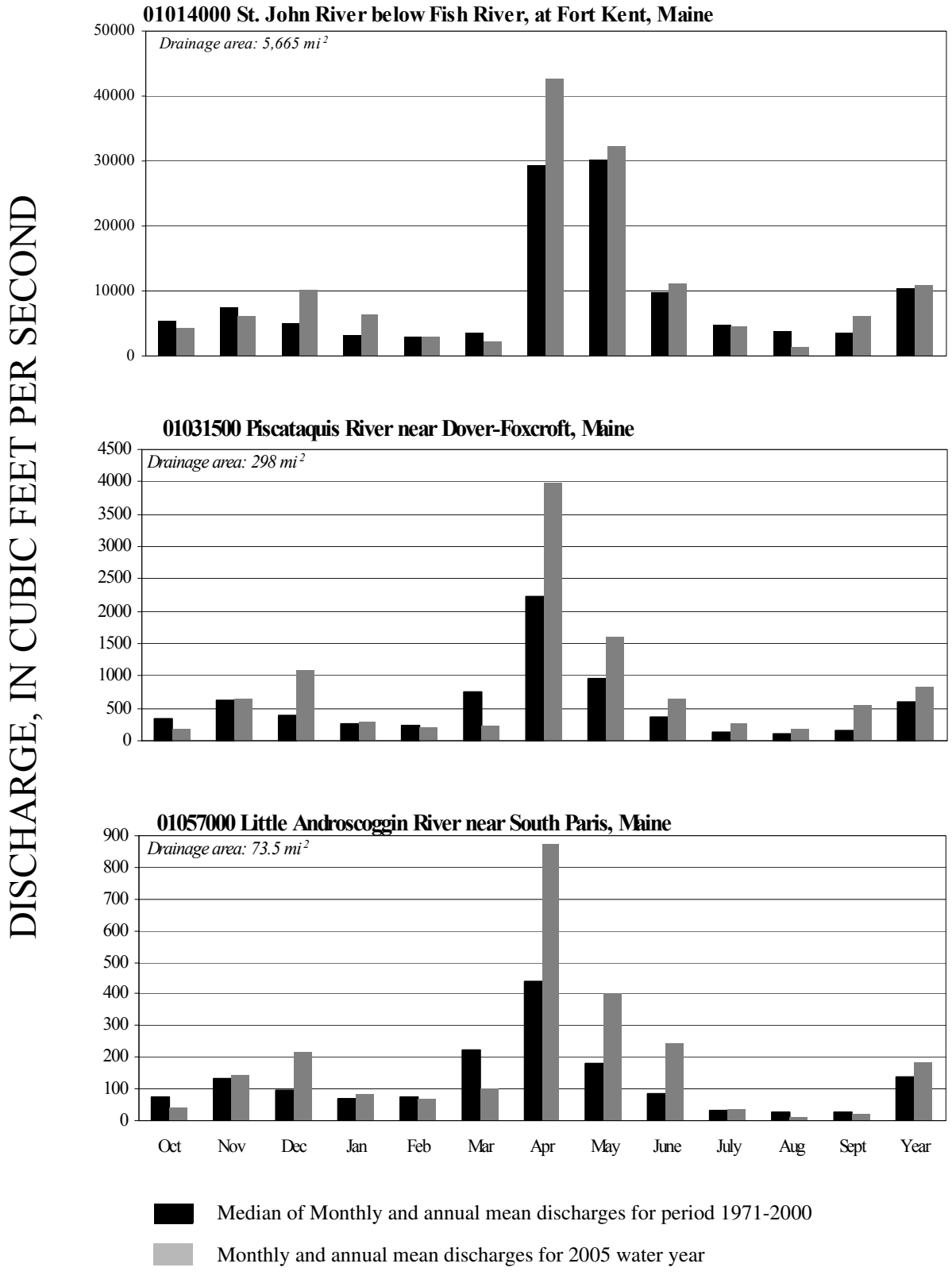


Figure 5. Comparison of mean discharge at three long-term gaging stations during 2005 water year with median discharge for period 1971-2000.

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 Maine Water Science Center.

The National Water-Quality Assessment (NAWQA) Program of the U.S. Geological Survey is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nations ground- and surface-water resources; provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

The New England Coastal Basins (NECB) NAWQA study unit encompasses 23,000 square miles in western and central Maine, eastern New Hampshire, eastern Massachusetts, most of Rhode Island, and a small part of eastern Connecticut.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 2005 water year that began October 1, 2004, and ended September 30, 2005. 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 stations and the "latitude-longitude" system is used for wells, snow stations, and precipitation 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.

Latitude-Longitude System

The identification numbers for wells, snow sampling, and precipitation 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. 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. (See figure 6.)

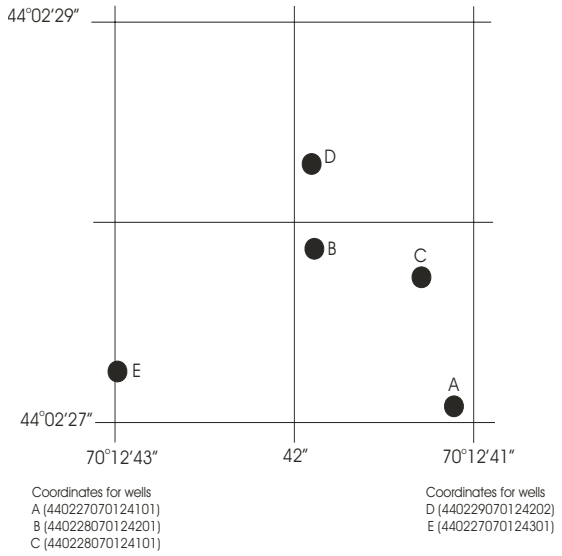


Figure 6. System for numbering wells and special study sites (latitude and longitude).

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 relationship 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 relationships 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 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. 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 USGS Water Science Center computer files for stations meeting certain criteria. Those discharge values may be obtained by writing to the USGS Water Science Center. (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 ft^3/s; to the nearest tenth between 1.0 and 10 ft^3/s; to whole numbers between 10 and 1,000 ft^3/s; and to 3 significant figures for more than 1,000 ft^3/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 ft^3/s and to 3 significant figures for more than 10 ft^3/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 ft^3/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 USGS Maine Water Science Center. 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 USGS Maine Water Science Center.

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.

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 1.

Table 1. 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]

Measured physical property	Ratings			
	Excellent	Good	Fair	Poor
Water temperature	≤ ± 0.2 °C	> ± 0.2 - 0.5 °C	> ± 0.5 - 0.8 °C	> ± 0.8 °C
Specific conductance	≤ ± 3%	> ± 3 - 10%	> ± 10 - 15%	> ± 15%
Dissolved oxygen	≤ ± 0.3 mg/L or ≤ ±5%, whichever is greater	> ± 0.3 - 0.5 mg/L or > ± 5 - 10%, whichever is greater	> ± 0.5 - 0.8 mg/L or > ± 10 - 15%, whichever is greater	> ± 0.8 mg/L or ± 15%, whichever is greater
pH	≤ ± 0.2 units	> ± 0.2 to 0.5 units	> ± 0.5 to 0.8 units	> ± 0.8 units
Turbidity	≤ ± 0.5 turbidity units or ≤ ±5%, whichever is greater	> ± 0.5 - 1.0 turbidity units or > ± 5 - 10%, whichever is greater	> ± 1.0 - 1.5 turbidity units or > ± 10 - 15%, whichever is greater	> ± 1.5 turbidity units or ± 15%, whichever is greater

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 U. S. 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 U. S. 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 aquifer. Samples were analyzed at the U.S. 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.

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.
<	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 is collected as part of long-term monitoring projects are given in this report. These data are intended or used in flood forecasting or other streamflow 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 is 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 the 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 is 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, 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 station 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 is collected as part of long-term monitoring projects are given in this report. These data are intended or used 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 snowpack. 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 USGS Water Science Centers. (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 multiplate 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/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2). (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 streambed, 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 (μm^3/mL). The abundance of blue-green algae in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter ($\mu m^3/cm^2$). (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:

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

pi (π) is the ratio of the circumference to the diameter of a circle; pi = 3.14159….

From cell volume, total algal biomass expressed as biovolume (μm^3/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, ft^3/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, [$(ft^3/s)/d$]) 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, $(ft^3/s)/mi^2$] 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 Verti-

cal 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 (μm^3/mL). The abundance of diatoms in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter ($\mu m^3/cm^2$). (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 $CaCO_3$) 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 exceeded. For example, the 90th percentile of river flow is the streamflow exceeded 90 percent of the time in the period of interest.

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 eleva-

tions 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 (μm^3/mL). The abundance of green algae in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter ($\mu m^3/cm^2$). (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.csc.noaa.gov/text/glossary.html* (see "High water")

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:

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

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:

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

where I_o 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

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

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 Website: *http://www.csc.noaa.gov/text/glossary.html* (see "Low water")

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 illumination 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, µg/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, µg/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, µg/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, µS/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 (m^2), 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 [mg C/(m^2/time)] for periphyton and macrophytes or per volume [mg C/(m^3/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 [mg O/(m^2/time)] for periphyton and macrophytes or per volume [mg O/(m^3/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 (October 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 sediment 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 (ft^3/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 hierarchial 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:	Arthropeda
Class:	Insecta
Order:	Ephemeroptera
Family:	Ephemeridae
Genus:	*Hexagenia*
Species:	*Hexagenia limbata*

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, 2003, 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 con-

text 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–Al0. *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 programed 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.

5–A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS–TWRI book 5, chap. A3. 1987. 80 p.

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.

7–C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L.F. Konikow and J.D. Bredehoeft: USGS–TWRI book 7, chap. C2. 1978. 90 p.

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 Gibs, 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 Gibs, 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 Gibs, 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 Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A4. 1999. 156 p.

9–A5. *National field manual for the collection of water-quality data: Processing of water samples*, edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS–TWRI book 9, chap. A5. 1999, 149 p.

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.

SURFACE-WATER-DISCHARGE AND SURFACE-WATER-QUALITY RECORDS

Remarks Codes

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

PRINTED OUTPUT	REMARK
E	Estimated Value.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.



Gage on an island
Sebasticook River at Pittsfield, Maine (01049000)
April 2005

01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME

LOCATION.--Lat 46° 42'02", long 69° 42'56", 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 mi^2.

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 periods of ice effect, Nov. 9-24 and Dec. 7 to Apr. 19, 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 ft^3/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 ft^3/s, Sept. 10, 2002; gage height, 0.19 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31,300 ft^3/s, Apr. 26, gage height, 10.23 ft; maximum gage height, 13.67 ft (backwater from ice); minimum discharge, 86 ft^3/s, Aug. 30, gage height, 0.48 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	384	788	6,600	e3,290	e912	e587	e930	21,500	3,760	450	502	3,500
2	362	874	5,080	e3,710	e885	e573	e1,060	19,600	3,010	420	483	4,740
3	335	861	3,920	e3,610	e863	e578	e1,380	15,400	2,330	430	606	3,000
4	319	1,020	3,250	e3,230	e842	e584	e2,010	11,600	1,840	398	683	1,900
5	304	1,080	2,790	e2,870	e821	e581	e3,400	8,970	1,510	347	598	1,270
6	290	1,130	2,030	e2,630	e816	e578	e6,250	7,160	1,310	329	454	898
7	279	1,260	e1,770	e2,430	e816	e569	e8,770	6,180	1,750	335	357	674
8	291	1,600	e2,060	e2,260	e831	e573	e10,700	5,540	2,180	309	294	551
9	268	e1,570	e2,130	e2,120	e846	e581	e11,100	5,170	1,800	321	246	549
10	252	e1,260	e1,980	e1,980	e859	e592	e10,500	4,950	1,450	1,660	209	764
11	241	e1,030	e1,920	e1,890	e864	e613	e9,520	4,670	1,250	2,970	187	661
12	243	e854	e1,990	e1,810	e855	e631	e8,270	4,400	1,130	1,950	167	530
13	240	e617	e2,000	e1,730	e835	e637	e7,360	3,810	1,030	1,190	176	438
14	231	e590	e1,920	e1,760	e804	e648	e6,400	3,100	1,140	791	198	365
15	228	e590	e1,830	e1,970	e782	e644	e5,900	2,760	3,360	593	186	316
16	296	e572	e1,770	e2,260	e767	e635	e5,760	3,990	5,540	481	165	278
17	1,670	e490	e1,700	e2,160	e767	e626	e6,860	4,880	5,990	403	156	271
18	3,580	e481	e1,630	e1,880	e797	e622	e9,870	4,500	7,530	375	139	343
19	3,360	e463	e1,570	e1,690	e816	e609	e13,700	3,800	6,700	336	119	926
20	2,530	e452	e1,510	e1,550	e801	e600	17,700	3,160	4,880	443	111	1,170
21	1,930	e444	e1,460	e1,450	e757	e600	20,000	2,670	3,410	539	114	1,030
22	1,540	e435	e1,420	e1,360	e721	e600	17,600	2,420	2,520	437	113	967
23	1,290	e428	e1,430	e1,290	e696	e611	14,800	2,700	2,010	425	116	849
24	1,100	e478	e1,700	e1,220	e676	e618	15,700	3,780	1,580	622	128	897
25	957	2,030	e4,660	e1,170	e654	e618	23,200	3,460	1,230	800	127	866
26	854	8,380	e5,390	e1,120	e633	e613	30,100	2,810	1,000	876	135	1,130
27	771	7,290	e5,230	e1,080	e615	e626	25,500	2,810	845	1,290	119	11,200
28	696	5,800	e4,700	e1,040	e598	e648	22,200	3,090	712	1,400	103	11,700
29	634	6,910	e4,160	e1,000	---	e695	24,900	2,890	600	1,230	95	7,590
30	588	8,260	e3,600	e963	---	e746	21,800	2,740	516	884	92	5,670
31	597	---	e3,210	e935	---	e827	---	3,490	---	631	135	---
TOTAL	26,660	58,037	86,410	59,458	21,929	19,263	363,240	178,000	73,913	23,665	7,313	65,043
MEAN	860	1,935	2,787	1,918	783	621	12,110	5,742	2,464	763	236	2,168
MAX	3,580	8,380	6,600	3,710	912	827	30,100	21,500	7,530	2,970	683	11,700
MIN	228	428	1,420	935	598	569	930	2,420	516	309	92	271
CFSM	0.64	1.44	2.08	1.43	0.58	0.46	9.03	4.28	1.84	0.57	0.18	1.62
IN.	0.74	1.61	2.40	1.65	0.61	0.53	10.08	4.94	2.05	0.66	0.20	1.80

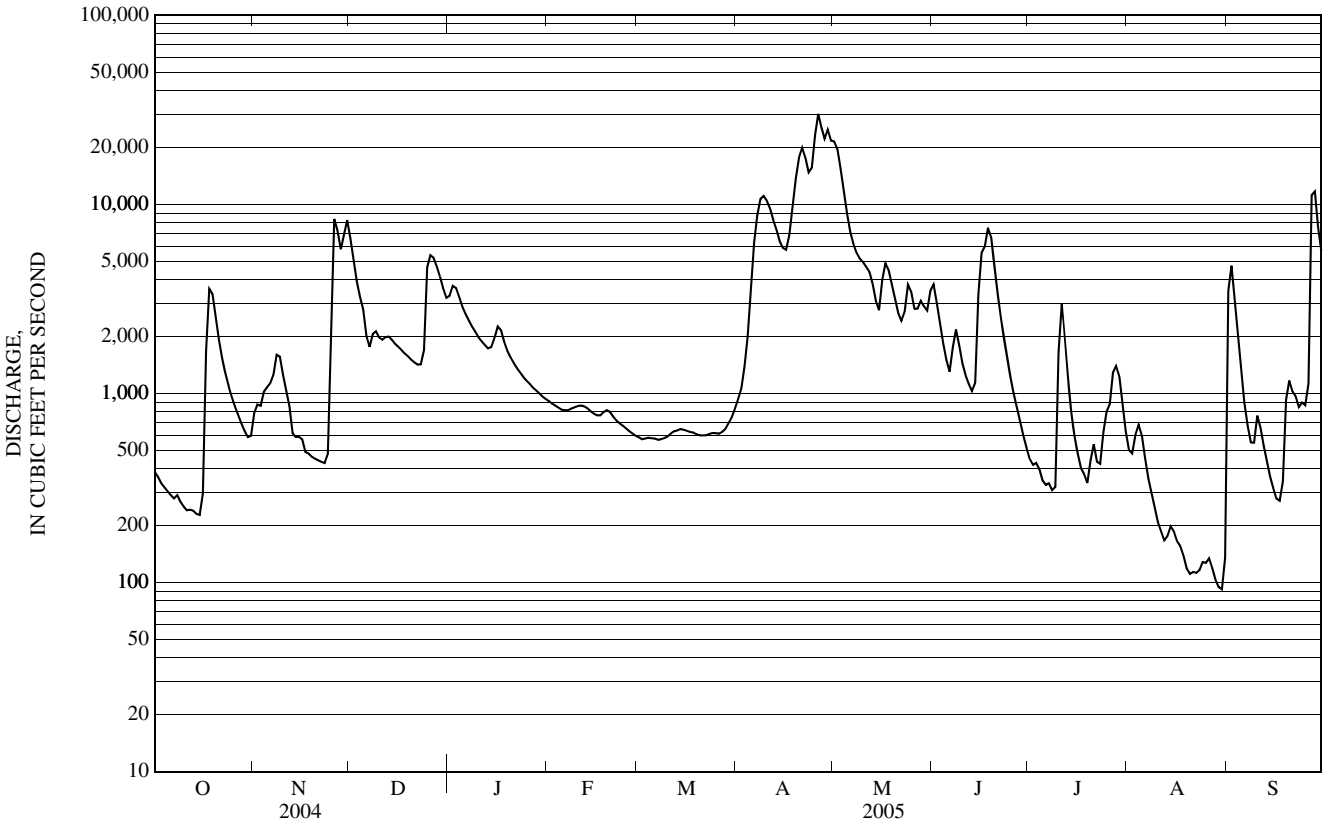
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

MEAN	1,865	2,238	1,394	740	611	998	7,521	6,880	2,081	1,462	1,311	1,327
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1951 - 2005	
ANNUAL TOTAL	877,438		982,931			
ANNUAL MEAN	2,397		2,693		2,372	
HIGHEST ANNUAL MEAN					3,548	1984
LOWEST ANNUAL MEAN					1,336	1957
HIGHEST DAILY MEAN	23,100	Apr 20	30,100	Apr 26	38,600	May 1, 1974
LOWEST DAILY MEAN	228	Oct 15	92	Aug 30	34	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	243	Oct 9	114	Aug 24	42	Sep 5, 2002
MAXIMUM PEAK FLOW			31,300	Apr 26	44,400	May 1, 1974
MAXIMUM PEAK STAGE			13.67	Apr 10	23.00	Apr 11, 1991
INSTANTANEOUS LOW FLOW			86	Aug 30	32	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.79		2.01		1.77	
ANNUAL RUNOFF (INCHES)	24.34		27.27		24.03	
10 PERCENT EXCEEDS	5,770		6,640		6,000	
50 PERCENT EXCEEDS	1,360		1,030		970	
90 PERCENT EXCEEDS	314		295		255	



01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME

LOCATION.--Lat 46° 53'38", long 69° 45'06", 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 mi^2.

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. 9-25, Dec. 1 to Apr. 19, period of doubtful gage-height record, Mar. 30 to Sept. 30, and periods of no gage-height record, Dec. 31 to Jan. 1, July 6, Sept. 27-28, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,680 ft^3/s Apr. 1, 1987; gage height, 15.62 ft; minimum daily discharge, 7.4 ft^3/s, Sept. 24, 1985.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 20	2015	3,340	10.12	May 1	1515	3,760	10.62
Apr 26	0400	*5,870	*12.20	Sept 27	1215	3,030	9.74
Apr 29	0400	5,270	11.81				

Minimum daily discharge, 20 ft^3/s, Aug. 18, 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	138	e689	e492	e143	e100	e222	e3,550	e261	e55	e46	e1,190
2	59	140	e533	e554	e138	e110	e258	e2,940	e208	e57	e50	e1,050
3	53	148	e441	e538	e136	e127	e356	e1,910	e171	e59	e52	e418
4	52	177	e396	e491	e134	e130	e591	e1,410	e142	e52	e47	e193
5	54	184	e357	e450	e133	e121	e1,020	e1,090	e129	e48	e44	e116
6	56	196	e327	e412	e132	e117	e1,630	e900	e144	e81	e38	e78
7	59	221	e339	e384	e132	e115	e2,010	e815	e285	e115	e33	e58
8	55	224	e321	e357	e134	e117	e2,210	e763	e279	e81	e31	e50
9	52	e193	e302	e333	e138	e129	e2,280	e724	e193	e96	e30	e58
10	50	e161	e299	e312	e145	e132	e2,140	e693	e142	e1,320	e28	e80
11	48	e132	e296	e294	e148	e149	e1,900	e649	e114	e1,180	e26	e68
12	48	e113	e304	e279	e148	e145	e1,580	e575	e99	e501	e25	e56
13	48	e101	e330	e266	e146	e136	e1,350	e464	e121	e226	e25	e48
14	47	e93	e320	e281	e140	e130	e1,190	e370	e142	e167	e25	e42
15	46	e87	e297	e353	e136	e127	e1,090	e358	e653	e166	e25	e37
16	162	e82	e285	e411	e136	e134	e1,040	e596	e949	e125	e23	e34
17	800	e78	e276	e364	e137	e143	e1,100	e676	e1,000	e92	e21	e38
18	730	e76	e267	e314	e144	e139	e1,340	e549	e1,190	e78	e20	e56
19	479	e74	e257	e281	e145	e133	e1,770	e511	e847	e71	e21	e92
20	325	e73	e248	e253	e140	e130	e2,830	e415	e492	e63	e20	e82
21	230	e72	e242	e235	e131	e129	e2,880	e382	e305	e58	e23	e74
22	177	e71	e235	e219	e125	e128	e2,220	e517	e419	e50	e28	e85
23	149	e70	e231	e207	e120	e131	e1,770	e637	e406	e47	e30	e97
24	133	e79	e689	e197	e116	e145	e2,010	e752	e254	e47	e30	e106
25	119	e796	e943	e187	e112	e174	e3,980	e519	e177	e52	e29	e83
26	108	1,610	e899	e179	e109	e186	e5,100	e383	e134	e67	e26	e504
27	103	1,020	e846	e171	e105	e186	e2,950	e487	e103	e91	e22	e2,820
28	96	726	e736	e164	e102	e205	e3,300	e523	e84	e90	e21	e1,890
29	90	1,100	e628	e158	---	e211	e4,520	e435	e72	e77	e21	e992
30	84	1,170	e541	e151	---	e211	e3,140	e371	e61	e60	e21	e598
31	103	---	e483	e146	---	e213	---	e321	---	e48	e106	---
TOTAL	4,679	9,405	13,357	9,433	3,705	4,483	59,777	25,285	9,576	5,320	987	11,093
MEAN	151	314	431	304	132	145	1,993	816	319	172	31.8	370
MAX	800	1,610	943	554	148	213	5,100	3,550	1,190	1,320	106	2,820
MIN	46	70	231	146	102	100	222	321	61	47	20	34
CFSM	0.88	1.83	2.52	1.78	0.77	0.85	11.7	4.77	1.87	1.00	0.19	2.16
IN.	1.02	2.05	2.91	2.05	0.81	0.98	13.00	5.50	2.08	1.16	0.21	2.41

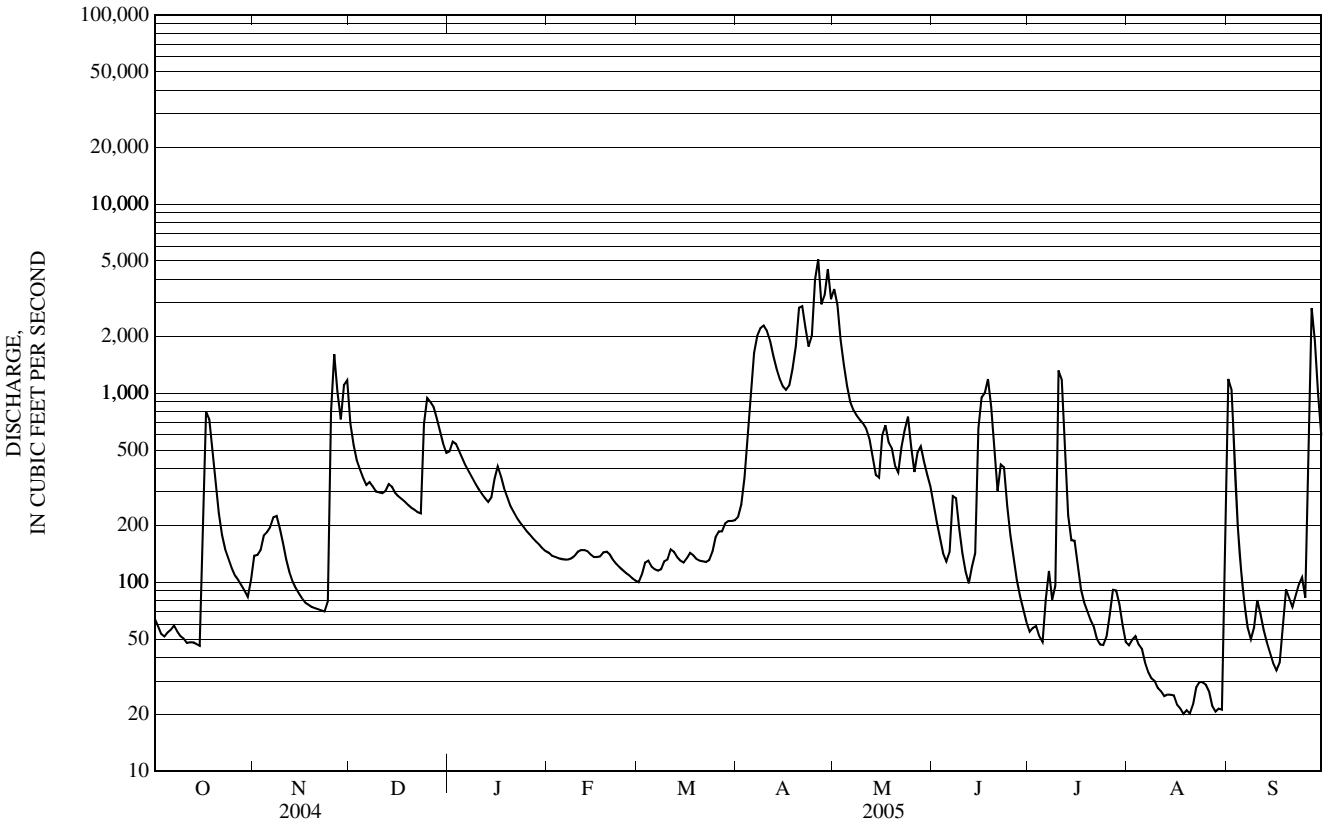
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2005, BY WATER YEAR (WY)

MEAN	242	321	204	108	85.4	200	1,293	706	245	203	151	135
MAX	710	612	708	304	393	852	1,993	1,766	762	691	748	389
(WY)	(1991)	(1989)	(1991)	(2005)	(1996)	(1990)	(2005)	(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)

e Estimated

01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1984 - 2005	
ANNUAL TOTAL	119,818		157,100			
ANNUAL MEAN	327		430		324	
HIGHEST ANNUAL MEAN					438	1984
LOWEST ANNUAL MEAN					157	1985
HIGHEST DAILY MEAN	4,660	Apr 20	5,100	Apr 26	6,790	Apr 1, 1987
LOWEST DAILY MEAN	43	Feb 27	20	Aug 18	7.4	Sep 24, 1985
ANNUAL SEVEN-DAY MINIMUM	44	Feb 24	22	Aug 15	8.0	Sep 20, 1985
MAXIMUM PEAK FLOW			5,870	Apr 26	8,680	Apr 1, 1987
MAXIMUM PEAK STAGE			12.20	Apr 26	15.62	Apr 1, 1987
ANNUAL RUNOFF (CFSM)	1.91		2.52		1.90	
ANNUAL RUNOFF (INCHES)	26.07		34.18		25.77	
10 PERCENT EXCEEDS	801		1,090		834	
50 PERCENT EXCEEDS	140		149		117	
90 PERCENT EXCEEDS	55		48		31	



01010500 ST. JOHN RIVER AT DICKEY, ME

LOCATION.--Lat 47° 06'47", long 69° 05'17", 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 mi^2.

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 period of no gage-height record, July 28-31, which is fair, and periods of ice effect, Nov. 10-24, Dec. 3 to Apr. 21, 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 ft^3/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 ft^3/s, Sept. 10, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 27,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 20	2115	Ic Jam	*22.30	Sept 28	0445	27,200	10.87
Apr 26	1730	66,300	16.31				

Minimum discharge, 236 ft^3/s, Aug. 31, gage height, 3.32 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,110	1,330	12,100	e5,620	e1,610	e1,040	e1,460	48,400	6,360	1,210	1,170	3,400
2	1,030	1,560	9,370	e5,730	e1,580	e1,020	e1,700	48,900	5,830	1,120	1,040	9,350
3	955	1,760	e7,120	e6,430	e1,530	e1,000	e2,240	38,100	4,700	1,020	950	6,760
4	888	1,800	e5,710	e6,260	e1,490	e989	e3,180	28,600	3,900	981	957	4,130
5	832	2,150	e4,910	e5,610	e1,460	e982	e5,470	21,600	3,350	973	1,080	2,820
6	810	2,360	e4,000	e5,030	e1,420	e982	e9,800	17,300	3,060	953	1,030	2,060
7	777	2,400	e2,740	e4,590	e1,400	e987	e13,600	15,000	3,430	915	861	1,590
8	755	2,510	e3,520	e4,200	e1,380	e985	e16,600	13,600	4,280	876	718	1,270
9	741	2,670	e3,710	e3,950	e1,420	e981	e16,600	12,600	4,140	883	605	1,120
10	727	e2,390	e3,670	e3,720	e1,470	e993	e16,000	12,000	3,460	1,820	522	1,030
11	679	e2,040	e3,450	e3,480	e1,480	e1,010	e14,300	11,500	2,870	6,110	458	1,140
12	694	e1,830	e3,340	e3,300	e1,500	e1,050	e12,500	10,800	2,470	5,480	399	1,160
13	709	e1,430	e3,450	e3,160	e1,480	e1,080	e10,800	9,600	2,340	3,450	368	1,010
14	674	e1,090	e3,480	e3,190	e1,450	e1,090	e9,710	7,730	2,190	2,930	342	866
15	642	e969	e3,340	e3,330	e1,400	e1,100	e8,760	6,540	2,390	4,960	338	756
16	722	e984	e3,200	e3,670	e1,360	e1,090	e8,670	7,170	6,940	3,760	338	662
17	1,720	e980	e3,060	e3,930	e1,330	e1,070	e9,820	10,400	10,600	2,460	336	626
18	5,120	e938	e2,940	e3,760	e1,330	e1,060	e16,600	10,200	14,100	1,730	298	618
19	6,270	e946	e2,830	e3,270	e1,380	e1,050	e23,800	8,520	14,100	1,470	272	654
20	5,080	e930	e2,720	e2,930	e1,420	e1,030	e32,400	7,240	10,300	1,410	259	1,000
21	3,940	e886	e2,630	e2,700	e1,390	e1,030	e40,200	6,310	7,230	1,230	301	1,630
22	3,200	e894	e2,580	e2,520	e1,320	e1,030	35,800	6,370	5,370	1,260	375	1,490
23	2,710	e906	e2,630	e2,360	e1,260	e1,040	29,700	6,660	4,430	1,170	361	1,460
24	2,340	e879	e2,910	e2,240	e1,210	e1,050	28,400	7,640	3,750	1,050	355	1,380
25	2,040	2,230	e3,830	e2,120	e1,170	e1,040	41,200	7,770	3,090	1,020	335	1,370
26	1,820	11,700	e6,300	e2,030	e1,140	e1,030	64,000	6,340	2,510	1,370	303	1,870
27	1,650	15,100	e9,330	e1,940	e1,100	e1,050	56,700	5,760	2,100	1,450	282	13,600
28	1,510	11,100	e9,050	e1,860	e1,070	e1,090	48,000	6,260	1,870	e1,910	257	24,700
29	1,370	10,400	e8,180	e1,790	---	e1,150	58,000	6,390	1,630	e1,980	258	16,100
30	1,260	13,800	e7,230	e1,720	---	e1,250	52,000	6,340	1,420	e1,800	254	10,500
31	1,240	---	e6,260	e1,660	---	e1,340	---	6,030	---	e1,430	360	---
TOTAL	54,015	100,962	149,590	108,100	38,550	32,689	688,010	417,670	144,210	60,181	15,782	116,122
MEAN	1,742	3,365	4,825	3,487	1,377	1,054	22,930	13,470	4,807	1,941	509	3,871
MAX	6,270	15,100	12,100	6,430	1,610	1,340	64,000	48,900	14,100	6,110	1,170	24,700
MIN	642	879	2,580	1,660	1,070	981	1,460	5,760	1,420	876	254	618
CFSM	0.65	1.26	1.80	1.30	0.51	0.39	8.56	5.03	1.79	0.72	0.19	1.44
IN.	0.75	1.40	2.08	1.50	0.54	0.45	9.55	5.80	2.00	0.84	0.22	1.61

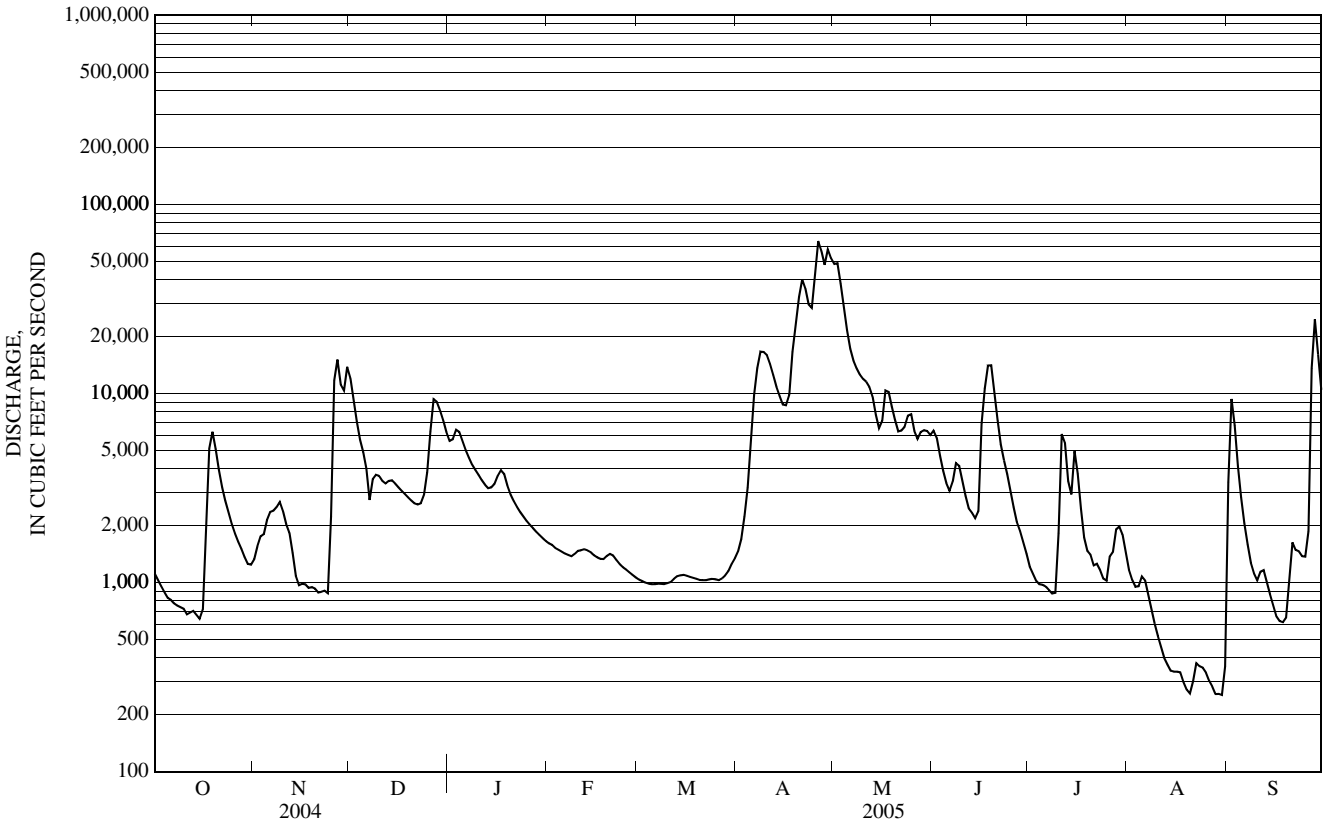
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2005, BY WATER YEAR (WY)

MEAN	3,399	4,147	2,715	1,453	1,178	1,830	14,740	15,130	4,390	2,858	2,527	2,430
MAX	11,280	10,180	9,781	4,461	6,456	9,249	27,790	35,100	10,840	10,320	11,740	7,655
(WY)	(1978)	(1964)	(1951)	(1995)	(1996)	(1979)	(1976)	(1961)	(1947)	(1984)	(1981)	(1954)
MIN	690	605	624	341	201	378	3,999	2,681	1,152	796	265	265
(WY)	(1954)	(1948)	(1956)	(1948)	(1948)	(1956)	(1965)	(1987)	(1968)	(1991)	(1953)	(2002)

e Estimated

01010500 ST. JOHN RIVER AT DICKEY, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1910 - 2005	
ANNUAL TOTAL	1,710,317		1,925,881			
ANNUAL MEAN	4,673		5,276		4,755	
HIGHEST ANNUAL MEAN					7,193	1976
LOWEST ANNUAL MEAN					2,844	1965
HIGHEST DAILY MEAN	47,300	Apr 21	64,000	Apr 26	86,800	Apr 29, 1979
LOWEST DAILY MEAN	642	Oct 15	254	Aug 30	110	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	692	Oct 10	292	Aug 24	119	Sep 4, 2002
MAXIMUM PEAK FLOW			66,300	Apr 26	91,700	Apr 29, 1979
MAXIMUM PEAK STAGE			22.30	Apr 20	37.89	Apr 9, 1991
INSTANTANEOUS LOW FLOW			236	Aug 31	106	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.74		1.97		1.77	
ANNUAL RUNOFF (INCHES)	23.74		26.73		24.11	
10 PERCENT EXCEEDS	11,100		12,000		11,900	
50 PERCENT EXCEEDS	2,780		1,940		2,000	
90 PERCENT EXCEEDS	858		749		550	



01011000 ALLAGASH RIVER NEAR ALLAGASH, ME

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

DRAINAGE AREA.--1,229 mi^2, not including 249 mi^2 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 periods of ice effect, Nov. 10-24 and Dec. 3 to Apr. 19, which are poor. Some regulation for recreational purposes since May 1969 by Churchill Lake, usable capacity, about 3.4 billion ft^3, 58 mi upstream. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,900 ft^3/s, Apr. 18, 1983, gage height, 13.68 ft; maximum gage height, 19.78 ft, Apr. 10, 1991 (backwater from ice); minimum discharge, 87 ft^3/s, Sept. 11, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,300 ft^3/s, Apr. 26, gage height, 12.12 ft; minimum discharge, 236 ft^3/s, Aug. 20, gage height, 1.94 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	662	591	4,100	e1,540	e593	e463	e364	21,000	2,700	1,360	428	2,680
2	619	611	3,600	e1,600	e578	e458	e391	19,200	2,570	1,310	478	2,520
3	601	645	e2,740	e1,740	e567	e478	e515	16,200	2,410	1,200	466	1,800
4	561	635	e2,220	e1,630	e554	e489	e755	13,800	2,160	1,120	434	1,390
5	522	637	e1,880	e1,490	e544	e472	e1,190	11,900	1,940	1,070	433	1,090
6	485	693	e1,460	e1,380	e537	e454	e2,200	10,400	1,820	1,110	417	897
7	459	686	e1,050	e1,300	e583	e439	e3,820	9,400	2,270	1,060	377	766
8	430	672	e1,050	e1,240	e708	e429	e5,090	8,420	2,290	1,000	341	681
9	400	619	e1,180	e1,170	e771	e433	e5,810	7,320	2,170	978	322	723
10	377	e545	e1,240	e1,120	e762	e439	e5,960	6,260	2,050	1,700	306	742
11	351	e526	e1,260	e1,050	e697	e475	e5,940	5,630	1,920	1,810	300	691
12	348	e507	e1,240	e1,010	e628	e471	e5,750	5,250	1,690	1,380	292	674
13	402	e491	e1,270	e1,000	e581	e461	e5,090	4,380	1,600	1,090	289	608
14	419	e477	e1,210	e1,070	e556	e444	e4,660	3,560	1,860	1,180	289	560
15	385	e462	e1,110	e1,160	e541	e428	e4,270	3,120	2,160	1,540	279	525
16	432	e448	e1,060	e1,140	e538	e416	e4,040	3,380	2,620	1,080	261	486
17	929	e435	e1,030	e1,070	e562	e408	e4,040	3,890	2,970	797	255	474
18	1,200	e426	e991	e975	e642	e398	e5,030	3,760	3,700	663	253	506
19	1,280	e416	e961	e922	e694	e388	e7,570	3,520	3,770	595	246	596
20	1,300	e411	e932	e881	e644	e386	10,600	3,260	3,320	561	246	587
21	1,180	e406	e903	e845	e581	e380	12,800	3,090	2,910	520	297	572
22	993	e403	e885	e814	e539	e374	12,300	3,070	2,580	477	329	565
23	833	e402	e1,100	e780	e512	e371	11,300	3,260	2,310	532	360	565
24	721	e401	e1,600	e753	e495	e369	11,500	3,590	2,120	559	362	561
25	645	841	e1,960	e730	e488	e368	17,500	3,240	1,980	490	323	533
26	601	2,930	e1,920	e707	e482	e367	25,900	2,960	1,830	483	293	847
27	577	3,130	e1,940	e680	e476	e366	20,500	3,090	1,700	538	272	4,160
28	540	3,020	e1,940	e659	e469	e363	18,600	3,280	1,620	644	264	4,050
29	523	3,750	e1,850	e639	---	e361	22,400	3,180	1,530	572	272	3,440
30	503	4,430	e1,670	e620	---	e358	22,000	3,250	1,430	499	349	3,760
31	531	---	e1,450	e605	---	e356	---	2,930	---	448	714	---
TOTAL	19,809	30,646	48,802	32,320	16,322	12,862	257,885	198,590	68,000	28,366	10,547	38,049
MEAN	639	1,022	1,574	1,043	583	415	8,596	6,406	2,267	915	340	1,268
MAX	1,300	4,430	4,100	1,740	771	489	25,900	21,000	3,770	1,810	714	4,160
MIN	348	401	885	605	469	356	364	2,930	1,430	448	246	474
CFSM	0.52	0.83	1.28	0.85	0.47	0.34	6.99	5.21	1.84	0.74	0.28	1.03
IN.	0.60	0.93	1.48	0.98	0.49	0.39	7.81	6.01	2.06	0.86	0.32	1.15

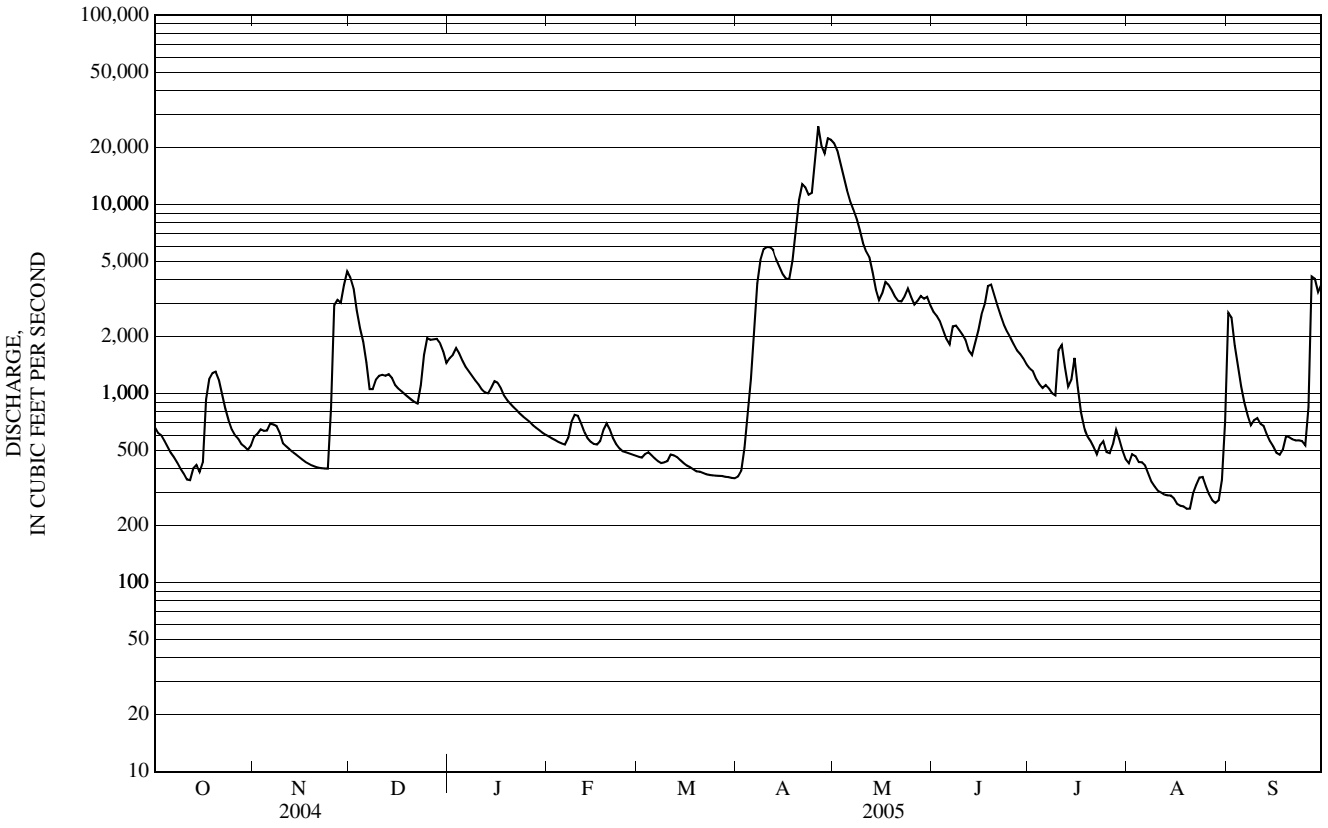
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2005, BY WATER YEAR (WY)

MEAN	1,241	1,573	1,202	730	588	771	4,846	6,337	2,209	1,402	1,097	1,058
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1910 - 2005	
ANNUAL TOTAL	635,110		762,198			
ANNUAL MEAN	1,735		2,088		1,934	
HIGHEST ANNUAL MEAN					2,899	1976
LOWEST ANNUAL MEAN					989	1957
HIGHEST DAILY MEAN	13,400	Apr 20	25,900	Apr 26	32,100	Apr 18, 1983
LOWEST DAILY MEAN	302	Mar 2	246	Aug 19	91	Mar 9, 1948
ANNUAL SEVEN-DAY MINIMUM	307	Feb 26	261	Aug 14	91	Mar 9, 1948
MAXIMUM PEAK FLOW			27,300	Apr 26	36,900	Apr 18, 1983
MAXIMUM PEAK STAGE			12.12	Apr 26	19.78	Apr 10, 1991
INSTANTANEOUS LOW FLOW			236	Aug 20	87	Sep 11, 1960
ANNUAL RUNOFF (CFSM)	1.41		1.70		1.57	
ANNUAL RUNOFF (INCHES)	19.22		23.07		21.38	
10 PERCENT EXCEEDS	3,540		4,120		4,620	
50 PERCENT EXCEEDS	1,260		771		971	
90 PERCENT EXCEEDS	394		376		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 mi^2.

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 no gage height record, Aug. 25. 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 ft^3/s, Apr. 30, 1979, gage height, 15.39 ft; minimum daily discharge, 60 ft^3/s, Oct. 11, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,920 ft^3/s, May 2, gage height, 12.38 ft; minimum discharge, 98 ft^3/s, Aug. 29, gage height, 2.19 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	597	385	1,550	1,060	371	296	325	9,500	1,480	681	226	211
2	561	378	1,540	1,020	360	305	353	9,750	1,390	639	225	276
3	540	385	1,420	992	351	303	427	9,500	1,290	586	218	399
4	512	378	1,280	960	343	296	551	8,190	1,190	547	205	484
5	491	395	1,170	929	335	290	780	6,890	1,100	516	200	501
6	463	410	1,070	883	327	289	1,160	5,760	1,010	501	193	480
7	445	417	960	847	321	289	1,720	4,940	971	477	183	445
8	431	420	904	802	320	302	2,260	4,410	936	470	177	410
9	413	417	840	770	319	326	2,590	4,030	911	473	168	381
10	406	410	794	738	320	323	2,730	3,670	876	533	162	346
11	392	403	794	710	336	316	2,730	3,390	826	554	157	314
12	388	392	784	674	334	309	2,650	3,180	784	537	148	291
13	381	381	752	646	329	304	2,450	2,980	756	505	146	267
14	367	367	734	639	325	299	2,240	2,720	710	491	140	250
15	353	353	706	636	329	298	2,030	2,450	692	501	135	237
16	364	345	674	625	331	296	1,870	2,260	710	484	127	222
17	403	333	650	621	337	293	1,820	2,240	809	463	125	212
18	438	326	625	614	332	294	1,970	2,320	1,140	434	116	203
19	480	322	600	593	328	294	2,380	2,310	1,640	420	109	190
20	512	314	590	583	324	293	3,110	2,170	1,920	406	107	178
21	523	309	572	561	319	292	4,060	2,000	1,880	374	114	173
22	523	310	554	533	316	291	4,660	1,880	1,720	357	118	162
23	508	308	540	516	315	289	4,770	1,830	1,510	341	118	163
24	491	308	579	494	312	288	4,730	1,890	1,330	325	117	156
25	473	367	646	473	308	288	5,190	1,980	1,190	307	e115	156
26	459	498	787	456	302	286	6,600	1,930	1,070	296	111	207
27	441	826	950	438	297	286	8,090	1,830	964	287	107	336
28	427	1,200	1,070	424	292	286	8,720	1,720	886	273	105	614
29	410	1,440	1,130	410	---	296	9,390	1,650	819	258	107	999
30	395	1,510	1,140	395	---	300	9,780	1,610	749	247	108	1,180
31	388	---	1,090	381	---	308	---	1,550	---	231	123	---
TOTAL	13,975	14,607	27,495	20,423	9,133	9,225	102,136	112,530	33,259	13,514	4,510	10,443
MEAN	451	487	887	659	326	298	3,405	3,630	1,109	436	145	348
MAX	597	1,510	1,550	1,060	371	326	9,780	9,750	1,920	681	226	1,180
MIN	353	308	540	381	292	286	325	1,550	692	231	105	156
CFSM	0.86	0.93	1.69	1.26	0.62	0.57	6.50	6.93	2.12	0.83	0.28	0.66
IN.	0.99	1.04	1.95	1.45	0.65	0.65	7.25	7.99	2.36	0.96	0.32	0.74

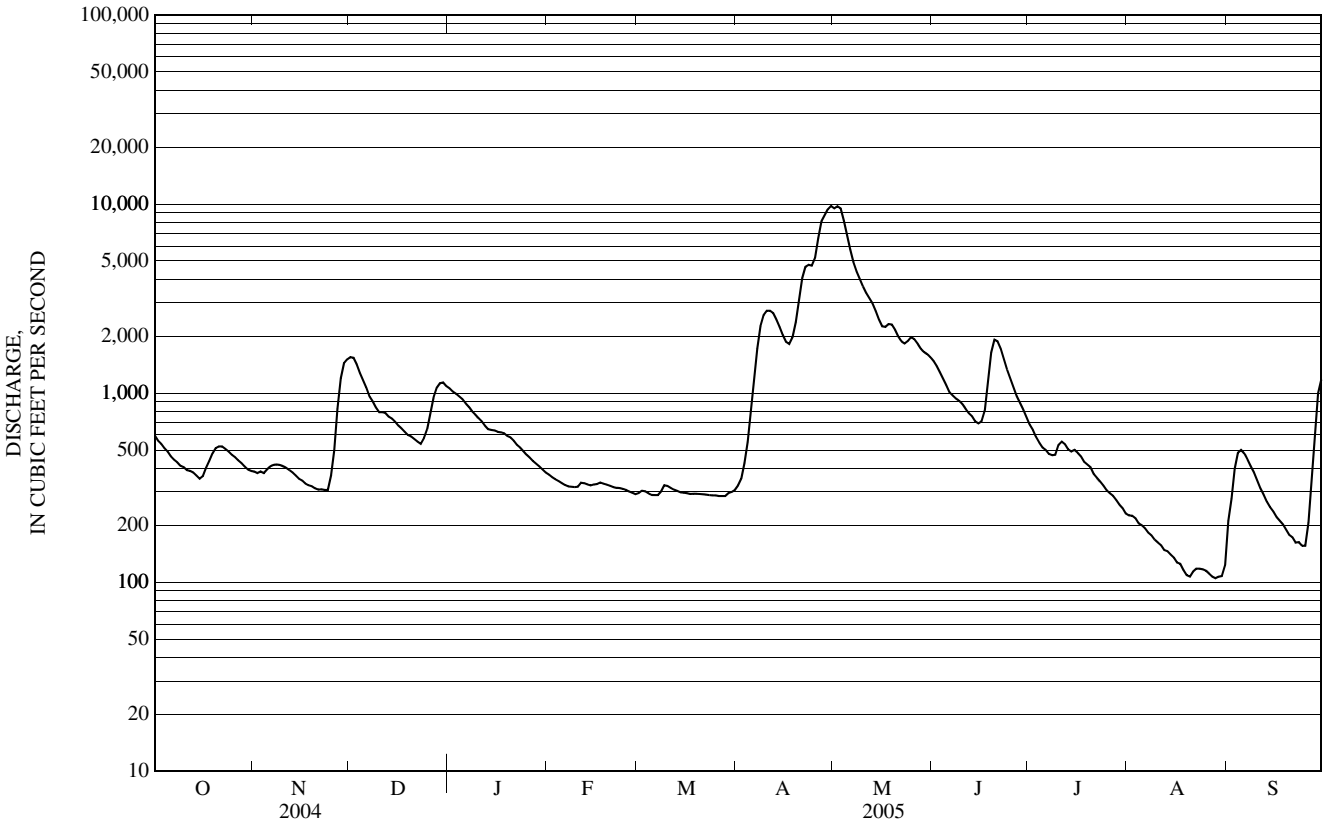
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2005, BY WATER YEAR (WY)

MEAN	519	713	559	340	275	318	2,219	3,282	951	518	452	390
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1952 - 2005	
ANNUAL TOTAL	383,737		371,250			
ANNUAL MEAN	1,048		1,017		880	
HIGHEST ANNUAL MEAN					1,285	1958
LOWEST ANNUAL MEAN					485	1965
HIGHEST DAILY MEAN	5,330	Apr 23	9,780	Apr 30	14,500	Apr 30, 1979
LOWEST DAILY MEAN	186	Mar 25	105	Aug 28	60	Oct 11, 1978
ANNUAL SEVEN-DAY MINIMUM	192	Mar 20	110	Aug 24	64	Oct 3, 2000
MAXIMUM PEAK FLOW			9,960	Apr 30	15,000	Apr 30, 1979
MAXIMUM PEAK STAGE			12.39	Apr 30	15.39	Apr 30, 1979
ANNUAL RUNOFF (CFSM)	2.00		1.94		1.68	
ANNUAL RUNOFF (INCHES)	27.24		26.36		22.83	
10 PERCENT EXCEEDS	2,210		2,250		2,100	
50 PERCENT EXCEEDS	772		470		425	
90 PERCENT EXCEEDS	258		206		150	



01013500 FISH RIVER NEAR FORT KENT, ME

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

DRAINAGE AREA.--873 mi^2.

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 periods of ice effect, Dec. 25-28, 30, Jan. 2 to Apr. 6, and periods of doubtful gage-height record, Aug. 4-16, Sept. 2-12, which are fair. Satellite telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,000 ft^3/s, May 1, gage height, 10.88 ft; minimum discharge, 154 ft^3/s, Aug. 29, gage height, 2.34 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	857	606	1,980	1,770	e743	e565	e395	13,800	3,390	1,190	549	993
2	821	594	2,190	e1,740	e730	e572	e399	13,500	3,220	1,090	529	e598
3	780	592	2,240	e1,700	e718	e565	e527	12,800	3,040	1,010	495	e543
4	742	582	2,250	e1,650	e708	e547	e755	11,900	2,850	954	e472	e504
5	688	612	2,230	e1,600	e699	e528	e1,180	11,000	2,660	904	e458	e481
6	665	636	2,150	e1,550	e692	e520	e1,720	10,200	2,570	878	e418	e459
7	632	640	2,070	e1,490	e685	e513	2,500	9,450	2,510	835	e408	e447
8	608	626	2,060	e1,440	e680	e517	2,990	8,740	2,340	784	e366	e447
9	595	612	2,000	e1,380	e674	e522	3,460	8,220	2,210	751	e348	e441
10	567	596	1,910	e1,320	e670	e509	3,820	7,640	2,100	1,100	e336	e421
11	533	596	1,910	e1,270	e678	e491	4,090	7,070	1,970	916	e323	e399
12	525	567	1,920	e1,230	e689	e478	4,250	6,510	1,900	871	e307	e383
13	570	544	1,830	e1,190	e684	e473	4,340	5,990	1,990	843	e304	379
14	552	530	1,760	e1,160	e666	e467	4,350	5,540	2,030	935	e282	374
15	535	526	1,670	e1,130	e656	e462	4,310	5,150	2,000	1,150	e263	360
16	717	512	1,610	e1,130	e656	e457	4,290	4,930	2,060	1,140	e245	343
17	852	497	1,550	e1,120	e656	e453	4,450	4,730	2,060	1,130	229	350
18	834	496	1,460	e1,110	e656	e448	4,840	4,470	2,210	1,110	205	363
19	811	487	1,400	e1,100	e652	e445	5,330	4,210	2,260	1,100	193	369
20	798	476	1,350	e1,080	e648	e441	6,220	3,950	2,220	1,080	191	358
21	787	476	1,300	e1,040	e644	e438	6,960	3,770	2,140	1,010	216	367
22	771	470	1,240	e999	e634	e435	7,230	3,600	2,010	940	240	361
23	752	463	1,210	e958	e624	e432	7,350	3,840	1,910	909	243	365
24	729	466	1,580	e920	e612	e429	7,580	3,830	1,800	836	210	345
25	710	718	e1,590	e892	e602	e427	9,420	3,760	1,680	796	192	336
26	687	912	e1,830	e862	e592	e425	12,000	3,630	1,580	743	178	496
27	663	950	e1,750	e837	e582	e424	11,700	3,690	1,480	733	168	1,040
28	639	1,060	e1,950	e812	e573	e422	12,000	3,670	1,400	696	165	960
29	622	1,550	1,800	e793	---	e417	13,400	3,630	1,320	658	166	1,090
30	606	1,770	e1,770	e775	---	e409	13,400	3,630	1,250	607	191	1,260
31	627	---	1,750	e757	---	e403	---	3,520	---	567	309	---
TOTAL	21,275	20,162	55,310	36,805	18,503	14,634	165,256	200,370	64,160	28,266	9,199	15,632
MEAN	686	672	1,784	1,187	661	472	5,509	6,464	2,139	912	297	521
MAX	857	1,770	2,250	1,770	743	572	13,400	13,800	3,390	1,190	549	1,260
MIN	525	463	1,210	757	573	403	395	3,520	1,250	567	165	336
CFSM	0.79	0.77	2.04	1.36	0.76	0.54	6.31	7.40	2.45	1.04	0.34	0.60
IN.	0.91	0.86	2.36	1.57	0.79	0.62	7.04	8.54	2.73	1.20	0.39	0.67

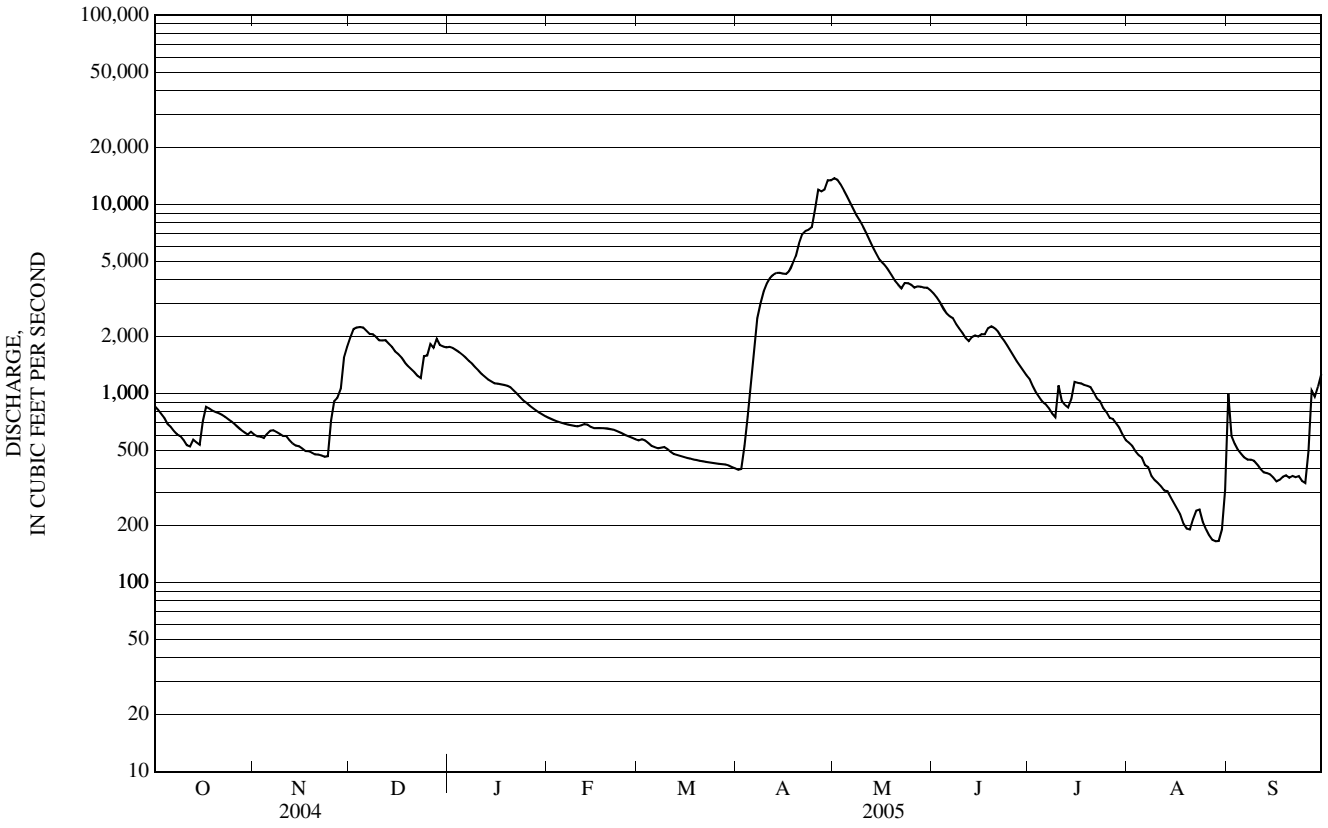
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2005, BY WATER YEAR (WY)

MEAN	758	1,186	1,084	638	496	570	3,167	5,064	1,769	952	711	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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1903 - 2005	
ANNUAL TOTAL	513,333		649,572			
ANNUAL MEAN	1,403		1,780		1,423	
HIGHEST ANNUAL MEAN					2,175	1973
LOWEST ANNUAL MEAN					773	1965
HIGHEST DAILY MEAN	6,260	Apr 22	13,800	May 1	15,600	Apr 30, 1973
LOWEST DAILY MEAN	344	Mar 2	165	Aug 28	42	Oct 4, 1995
ANNUAL SEVEN-DAY MINIMUM	350	Feb 27	181	Aug 24	44	Oct 1, 1995
MAXIMUM PEAK FLOW			14,000	May 1	15,800	Apr 30, 1973
MAXIMUM PEAK STAGE			10.88	May 1	12.43	Apr 30, 1973
INSTANTANEOUS LOW FLOW			154	Aug 29	34	Aug 29, 1968
ANNUAL RUNOFF (CFSM)	1.61		2.04		1.63	
ANNUAL RUNOFF (INCHES)	21.87		27.68		22.14	
10 PERCENT EXCEEDS	2,680		4,270		3,600	
50 PERCENT EXCEEDS	1,080		811		728	
90 PERCENT EXCEEDS	431		377		226	



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

(International gaging station)

LOCATION.--Lat 47° 15'29", long 68° 35'45", Aroostook County, Hydrologic Unit 01010001, on left bank at Clair, New Brunswick, Canada, and 0.3 miles downstream from Fish River.

DRAINAGE AREA.--5,665 mi^2, not including 249 mi^2 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 October 10, 1933 to August 23, 2001 and November 5, 2002 to September 30, 2004, water-stage recorder on right bank in Fort Kent, Maine, at same datum.

REMARKS.--Records good, except for periods of doubtful gage-height record, Oct. 13-14, 16, period of no gage-height record, Oct. 8-12, which are fair, and periods of ice effect, Nov. 10-24, Dec. 3 to Apr. 18, 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 ft^3/s, Apr. 30, 1979, gage height, 27.31 ft; minimum daily discharge, 510 ft^3/s, Mar. 13-15, 1948.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 45,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 21	1045	72,100	18.63	Apr 26	1900	*116,000	*23.89

Minimum discharge, 870 ft^3/s, Aug. 29, gage height, 1.07 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,000	3,470	21,800	e10,700	e3,570	e2,200	e2,310	96,900	14,700	4,960	2,690	4,950
2	3,750	3,570	19,300	e10,800	e3,470	e2,210	e2,490	97,300	14,200	4,640	2,470	11,800
3	3,540	3,930	e16,300	e11,500	e3,370	e2,180	e3,080	84,400	12,700	4,230	2,350	11,400
4	3,340	3,990	e12,500	e11,000	e3,280	e2,180	e5,060	69,300	11,300	3,940	2,160	8,050
5	3,130	4,210	e13,000	e9,770	e3,200	e2,150	e9,180	56,900	10,100	3,770	2,160	5,920
6	2,950	4,640	e12,400	e8,660	e3,130	e2,110	e15,600	47,600	9,370	3,740	2,200	4,640
7	2,820	4,730	e10,700	e7,970	e3,090	e2,090	e23,100	41,800	9,550	3,590	2,050	3,840
8	e2,690	4,720	e9,320	e7,530	e3,090	e2,100	e28,600	38,000	10,300	3,420	1,810	3,280
9	e2,600	4,840	e9,320	e7,170	e3,100	e2,130	e30,400	34,700	10,400	3,300	1,620	2,940
10	e2,520	e4,510	e9,730	e6,850	e3,120	e2,150	e30,400	31,600	9,460	5,040	1,480	2,800
11	e2,450	e4,340	e9,880	e6,570	e3,110	e2,200	e29,300	29,500	8,470	8,260	1,390	2,640
12	e2,400	e3,990	e8,940	e6,250	e3,080	e2,270	e26,900	27,600	7,730	9,720	1,270	2,740
13	2,620	e3,630	e8,180	e6,040	e3,060	e2,310	e24,600	25,000	7,460	7,220	1,230	2,580
14	2,650	e3,000	e7,760	e5,950	e3,040	e2,330	e22,400	21,600	7,270	5,790	1,160	2,330
15	2,520	e3,070	e7,400	e5,900	e3,040	e2,320	e20,800	19,000	7,620	7,990	1,120	2,130
16	3,020	e3,010	e7,080	e6,260	e3,010	e2,290	e20,100	18,400	10,500	7,900	1,070	1,960
17	3,940	e2,930	e6,800	e6,460	e2,900	e2,270	e21,300	21,300	16,400	5,940	1,050	1,860
18	6,790	e3,180	e6,530	e6,310	e2,740	e2,240	e29,900	22,000	20,200	4,660	994	1,840
19	9,940	e3,090	e6,280	e5,870	e2,650	e2,220	41,900	20,000	22,800	3,990	936	1,880
20	9,260	e2,980	e6,070	e5,290	e2,570	e2,190	55,700	18,100	19,700	3,800	921	1,960
21	7,970	e2,810	e5,870	e4,890	e2,510	e2,180	67,600	16,500	16,000	3,500	979	2,640
22	6,820	e2,780	e5,670	e4,720	e2,460	e2,180	66,100	15,900	13,300	3,200	1,150	2,910
23	5,920	e2,820	e5,470	e4,570	e2,400	e2,180	58,000	16,800	11,400	3,160	1,240	2,850
24	5,270	e2,810	e6,090	e4,450	e2,350	e2,170	54,600	17,600	10,100	3,010	1,190	2,740
25	4,780	4,140	e7,450	e4,330	e2,310	e2,170	71,200	18,000	8,980	2,810	1,140	2,610
26	4,390	11,800	e9,750	e4,220	e2,270	e2,160	111,000	16,400	7,970	2,800	1,050	3,310
27	4,120	21,700	e13,500	e4,110	e2,250	e2,160	107,000	15,600	7,130	3,100	966	12,100
28	3,860	18,500	e15,500	e4,010	e2,210	e2,150	93,700	15,800	6,490	3,370	914	29,200
29	3,640	18,300	e14,700	e3,900	---	e2,150	104,000	16,000	5,940	3,680	916	23,600
30	3,440	21,700	e13,200	e3,780	---	e2,170	104,000	15,800	5,400	3,510	1,040	18,000
31	3,410	---	e11,500	e3,670	---	e2,220	---	15,200	---	3,070	1,410	---
TOTAL	130,550	183,190	317,990	199,500	80,380	68,030	1,280,320	1,000,600	332,940	141,110	44,126	181,500
MEAN	4,211	6,106	10,260	6,435	2,871	2,195	42,680	32,280	11,100	4,552	1,423	6,050
MAX	9,940	21,700	21,800	11,500	3,570	2,330	111,000	97,300	22,800	9,720	2,690	29,200
MIN	2,400	2,780	5,470	3,670	2,210	2,090	2,310	15,200	5,400	2,800	914	1,840
CFSM	0.74	1.08	1.81	1.14	0.51	0.39	7.53	5.70	1.96	0.80	0.25	1.07
IN.	0.86	1.20	2.09	1.31	0.53	0.45	8.41	6.57	2.19	0.93	0.29	1.19

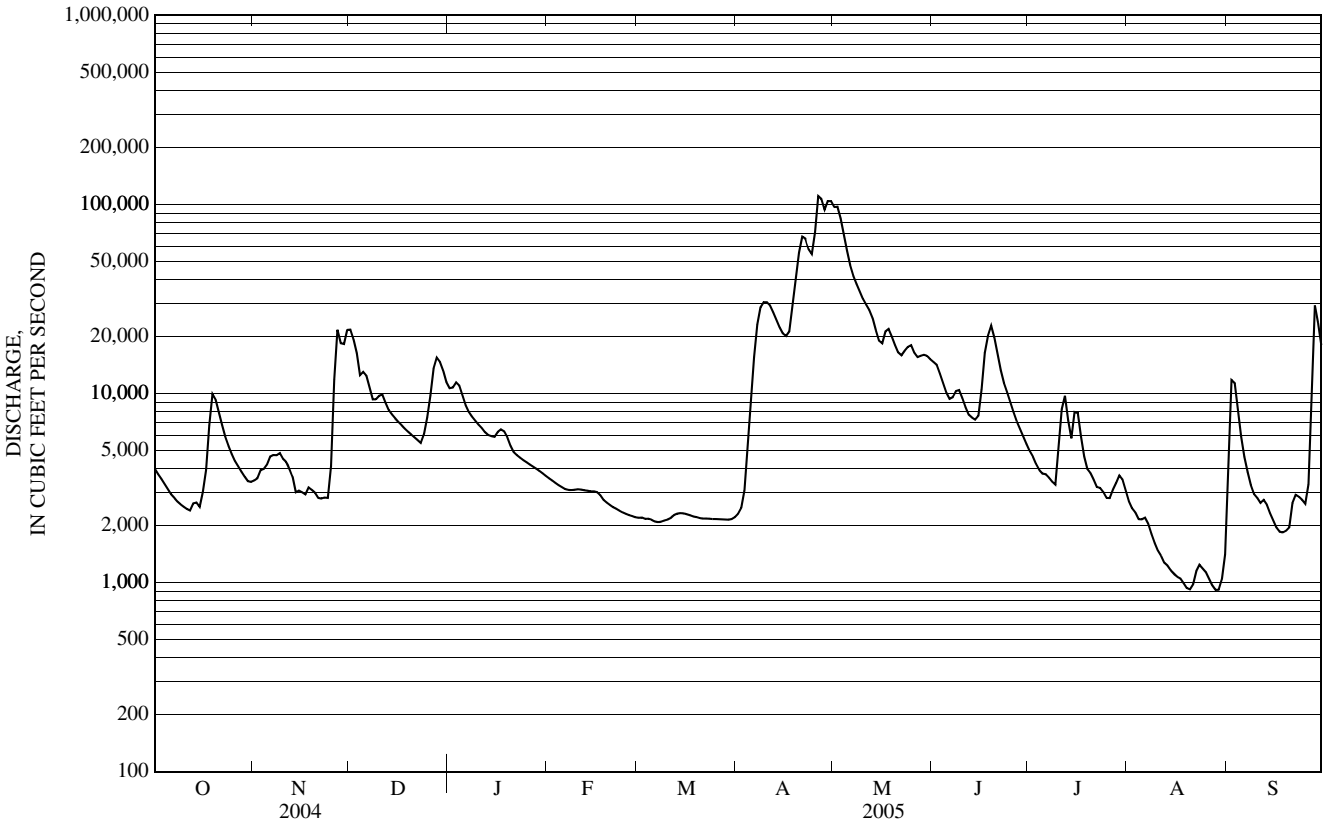
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2005, BY WATER YEAR (WY)

MEAN	6,507	8,532	5,887	3,350	2,540	3,559	25,530	33,070	10,490	6,369	5,201	4,787
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)

e Estimated

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1927 - 2005	
ANNUAL TOTAL	3,532,410		3,960,236			
ANNUAL MEAN	9,651		10,850		9,676	
HIGHEST ANNUAL MEAN					14,100	1928
LOWEST ANNUAL MEAN					5,667	1965
HIGHEST DAILY MEAN	78,500	Apr 21	111,000	Apr 26	146,000	Apr 30, 1979
LOWEST DAILY MEAN	1,700	Mar 5	914	Aug 28	510	Mar 13, 1948
ANNUAL SEVEN-DAY MINIMUM	1,740	Mar 1	1,010	Aug 15	513	Mar 9, 1948
MAXIMUM PEAK FLOW			116,000	Apr 26	151,000	Apr 30, 1979
MAXIMUM PEAK STAGE			23.89	Apr 26	27.31	Apr 30, 1979
INSTANTANEOUS LOW FLOW			870	Aug 29		
ANNUAL RUNOFF (CFSM)	1.70		1.92		1.71	
ANNUAL RUNOFF (INCHES)	23.20		26.01		23.21	
10 PERCENT EXCEEDS	19,400		22,600		22,900	
50 PERCENT EXCEEDS	6,960		4,390		4,600	
90 PERCENT EXCEEDS	2,220		2,150		1,500	



01015800 AROOSTOOK RIVER NEAR MASARDIS, ME

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

DRAINAGE AREA.--892 mi^2.

PERIOD OF RECORD.--
DISCHARGE: September 1957 to current year.

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

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

REMARKS.--Records good, except for periods of no gage-height record, July 19-25, Aug. 22, which are fair, and periods of ice effect, Nov. 10-24, Dec. 7 to Apr. 17, which are poor. Slight regulation by Millinocket Lake, capacity 1.11 billion ft^3, used for power. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,100 ft^3/s, Apr. 19, 1983, gage height, 17.70 ft; maximum gage height, 18.00 ft, Apr. 18, 1994 (backwater from ice); minimum discharge, 41 ft^3/s, Sept. 26-27, 1968, gage height, 1.89 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,300 ft^3/s, Apr. 30, gage height, 16.34 ft; minimum discharge, 100 ft^3/s, Aug. 28-29, gage height, 2.66 ft.

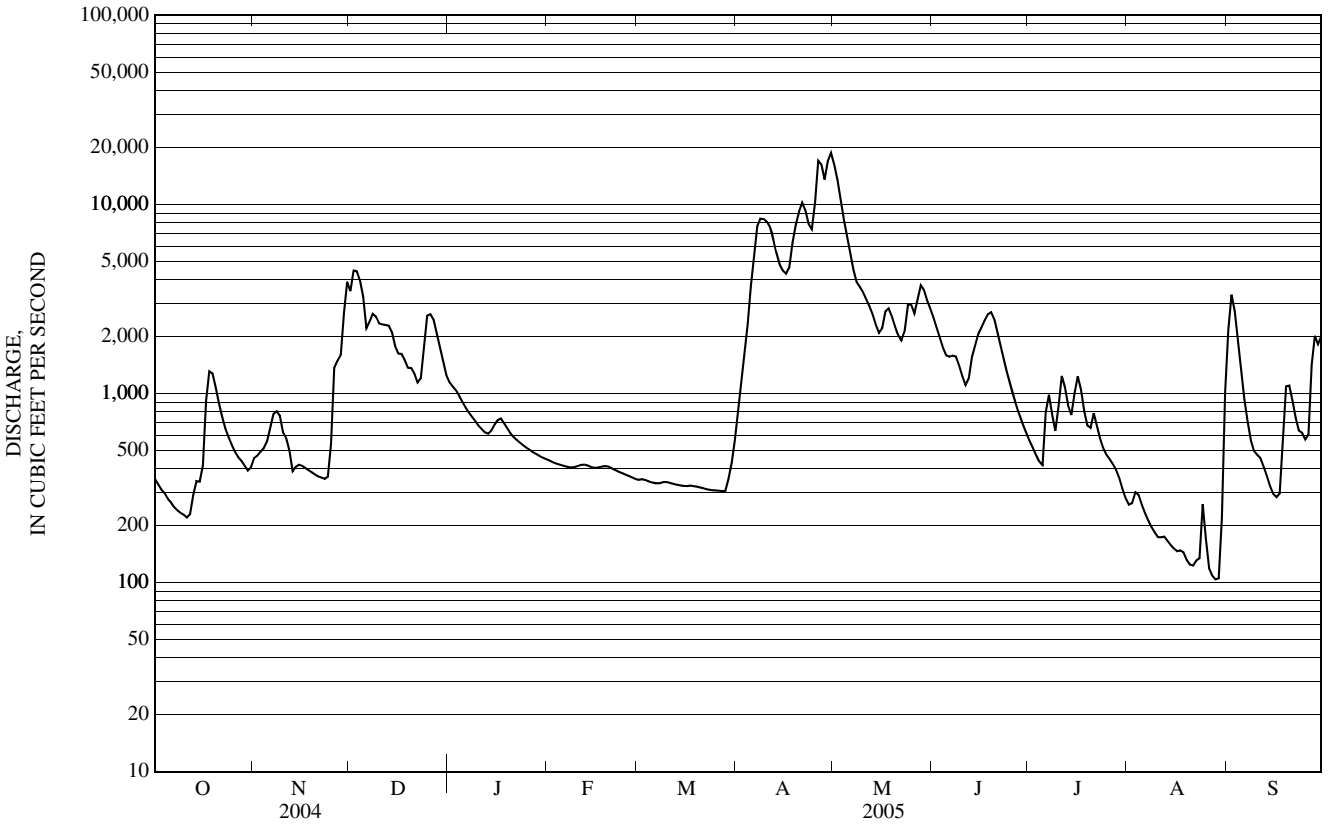
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	355	456	3,480	e1,140	e443	e349	e788	16,200	2,510	559	259	2,170
2	332	469	4,470	e1,090	e435	e352	e1,110	13,500	2,210	515	263	3,330
3	311	493	4,440	e1,040	e428	e349	e1,580	10,700	1,950	472	300	2,730
4	298	514	3,960	e969	e423	e343	e2,320	8,340	1,740	436	290	1,900
5	278	558	3,250	e899	e417	e339	e3,700	6,710	1,590	419	258	1,310
6	266	663	2,210	e840	e413	e337	e5,320	5,500	1,560	798	233	935
7	251	779	e2,400	e793	e409	e335	e7,670	4,520	1,590	984	213	708
8	241	805	e2,640	e752	e407	e337	e8,410	3,890	1,570	774	197	566
9	234	763	e2,550	e715	e409	e341	e8,380	3,670	1,410	635	184	496
10	229	e623	e2,350	e675	e414	e340	e8,100	3,440	1,230	856	174	473
11	221	e580	e2,320	e648	e419	e336	e7,570	3,160	1,110	1,240	174	456
12	231	e498	e2,310	e623	e421	e332	e6,530	2,900	1,200	1,080	175	411
13	291	e389	e2,280	e613	e417	e329	e5,530	2,630	1,570	865	166	367
14	343	e410	e2,110	e637	e410	e326	e4,810	2,310	1,810	770	158	325
15	342	e420	e1,780	e685	e405	e325	e4,470	2,090	2,070	1,000	152	295
16	416	e414	e1,630	e724	e405	e324	e4,300	2,220	2,240	1,230	147	283
17	914	e404	e1,620	e738	e409	e326	e4,640	2,720	2,440	1,050	148	296
18	1,310	e393	e1,510	e696	e413	e324	6,250	2,820	2,630	811	145	603
19	1,280	e383	e1,370	e654	e413	e322	7,830	2,570	2,690	e677	132	1,090
20	1,080	e373	e1,360	e615	e408	e319	9,140	2,270	2,470	e658	124	1,100
21	893	e364	e1,280	e588	e398	e316	10,200	2,040	2,110	e787	123	918
22	756	e360	e1,140	e567	e391	e312	9,300	1,910	1,790	e675	e131	744
23	656	e354	e1,200	e548	e384	e310	7,880	2,140	1,500	e577	135	637
24	588	e364	e1,810	e532	e378	e308	7,400	2,950	1,280	e513	260	620
25	536	542	e2,580	e517	e371	e307	10,200	2,960	1,110	e474	170	572
26	491	1,370	e2,630	e503	e365	e306	17,100	2,650	975	449	119	607
27	461	1,490	e2,460	e490	e359	e305	16,200	3,150	846	422	109	1,420
28	441	1,600	e2,080	e480	e353	e305	13,600	3,740	755	394	104	2,020
29	416	2,680	e1,760	e468	---	e353	17,000	3,520	679	357	105	1,820
30	392	3,900	e1,480	e459	---	e429	18,700	3,110	617	312	222	2,010
31	408	---	e1,250	e450	---	e568	---	2,810	---	279	1,010	---
TOTAL	15,261	23,411	69,710	21,148	11,317	10,504	236,028	133,140	49,252	21,068	6,380	31,212
MEAN	492	780	2,249	682	404	339	7,868	4,295	1,642	680	206	1,040
MAX	1,310	3,900	4,470	1,140	443	568	18,700	16,200	2,690	1,240	1,010	3,330
MIN	221	354	1,140	450	353	305	788	1,910	617	279	104	283
CFSM	0.55	0.87	2.52	0.76	0.45	0.38	8.82	4.81	1.84	0.76	0.23	1.17
IN.	0.64	0.98	2.91	0.88	0.47	0.44	9.84	5.55	2.05	0.88	0.27	1.30
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)												
MEAN	1,007	1,405	1,087	621	586	793	4,646	4,272	1,286	692	592	664
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	453,212		628,431			
ANNUAL MEAN	1,238		1,722		1,472	
HIGHEST ANNUAL MEAN					2,133	1976
LOWEST ANNUAL MEAN					818	1985
HIGHEST DAILY MEAN	7,490	Apr 21	18,700	Apr 30	22,100	Apr 19, 1983
LOWEST DAILY MEAN	205	Mar 2	104	Aug 28	42	Sep 27, 1968
ANNUAL SEVEN-DAY MINIMUM	213	Feb 26	134	Aug 17	44	Sep 26, 1968
MAXIMUM PEAK FLOW			19,300	Apr 30	23,100	Apr 19, 1983
MAXIMUM PEAK STAGE			16.34	Apr 30	18.00	Apr 18, 1994
INSTANTANEOUS LOW FLOW			100	Aug 28	41	Sep 26, 1968
ANNUAL RUNOFF (CFSM)	1.39		1.93		1.65	
ANNUAL RUNOFF (INCHES)	18.90		26.21		22.42	
10 PERCENT EXCEEDS	2,800		3,890		3,640	
50 PERCENT EXCEEDS	754		656		650	
90 PERCENT EXCEEDS	311		279		220	



01017000 AROOSTOOK RIVER AT WASHBURN, ME

LOCATION.--Lat 46° 46'38", long 68° 09'26", Aroostook County, Hydrologic Unit 01010004, on right bank at Bangor and Aroostook Railroad bridge, 0.1 mi downstream from Salmon Brook.

DRAINAGE AREA.--1,654 mi^2.

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 periods of ice effect, Nov. 11-24 and Dec. 5 to Apr. 16, which are poor. Considerable regulation by Squa Pan Lake, capacity 2.893 billion ft^3, used for power. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,400 ft^3/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 ft^3/s, Feb. 13-15, 1948.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34,100 ft^3/s, Apr. 30, gage height, 11.88 ft; maximum gage height, 14.10 ft, Apr. 9 (backwater from ice); minimum daily discharge, 214 ft^3/s, Aug. 29.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	591	759	7,310	e2,080	e981	e765	e1,490	30,000	4,860	873	429	2,560
2	561	812	7,710	e1,940	e963	e745	e2,090	25,100	4,080	787	441	4,460
3	525	830	7,480	e1,890	e951	e731	e2,960	20,200	3,540	723	444	3,880
4	495	856	6,700	e1,780	e934	e718	e4,360	15,700	3,150	678	458	3,020
5	460	935	e5,250	e1,730	e925	e712	e6,900	12,500	2,760	620	441	2,100
6	439	1,070	e3,460	e1,620	e909	e712	e9,980	10,100	2,730	670	392	1,540
7	427	1,270	e3,690	e1,750	e901	e699	e14,300	8,550	2,760	1,150	357	1,160
8	411	1,340	e4,180	e1,610	e901	e705	e15,500	7,360	2,720	1,110	334	935
9	402	1,270	e4,260	e1,410	e901	e712	e15,800	6,980	2,520	907	311	858
10	389	1,110	e4,140	e1,360	e884	e712	e15,200	6,490	2,220	971	316	806
11	372	e989	e3,980	e1,450	e909	e705	e14,100	5,990	1,950	1,590	425	745
12	380	e929	e4,060	e1,400	e925	e692	e12,300	5,450	1,820	1,710	423	679
13	461	e774	e3,980	e1,350	e934	e686	e10,400	4,920	2,410	1,400	452	618
14	565	e624	e3,730	e1,430	e934	e680	e9,030	4,330	3,070	1,270	428	556
15	583	e684	e3,460	e1,520	e951	e680	e8,370	3,920	3,280	1,700	416	496
16	675	e678	e3,040	e1,600	e960	e680	e8,100	4,030	3,700	1,940	402	458
17	1,360	e641	e3,050	e1,620	e942	e680	8,770	5,180	3,950	1,690	403	471
18	2,210	e620	e2,890	e1,580	e925	e680	11,000	5,690	4,250	1,340	388	596
19	2,310	e613	e2,540	e1,510	e909	e544	13,800	4,870	4,500	1,100	390	1,230
20	2,010	e604	e2,590	e1,430	e901	e668	16,800	4,220	4,410	1,070	377	1,590
21	1,660	e588	e2,370	e1,370	e876	e549	19,100	3,910	3,600	1,260	373	1,420
22	1,400	e579	e2,240	e1,310	e869	e547	18,000	3,730	2,940	1,100	373	1,180
23	1,210	e577	e2,280	e1,250	e853	e540	15,300	4,200	2,450	913	390	1,020
24	1,070	e634	e3,370	e1,200	e838	e540	14,100	5,430	2,060	788	380	919
25	961	1,220	e4,490	e1,160	e823	e540	18,800	5,520	1,810	734	493	886
26	884	2,820	e4,900	e1,140	e808	e544	29,100	4,970	1,580	684	402	990
27	818	3,520	e4,710	e1,100	e801	e547	29,300	5,580	1,390	648	325	2,380
28	761	3,420	e4,090	e1,060	e650	e567	25,800	6,420	1,210	612	219	3,840
29	717	5,450	e3,320	e1,030	---	e628	32,200	6,270	1,050	559	214	3,620
30	703	7,710	e2,720	e853	---	e779	33,300	6,080	956	494	242	3,680
31	702	---	e2,340	e838	---	e1,060	---	5,340	---	452	503	---
TOTAL	26,512	43,926	124,330	44,371	25,058	20,747	436,250	249,030	83,726	31,543	11,941	48,693
MEAN	855	1,464	4,011	1,431	895	669	14,540	8,033	2,791	1,018	385	1,623
MAX	2,310	7,710	7,710	2,080	981	1,060	33,300	30,000	4,860	1,940	503	4,460
MIN	372	577	2,240	838	650	540	1,490	3,730	956	452	214	458

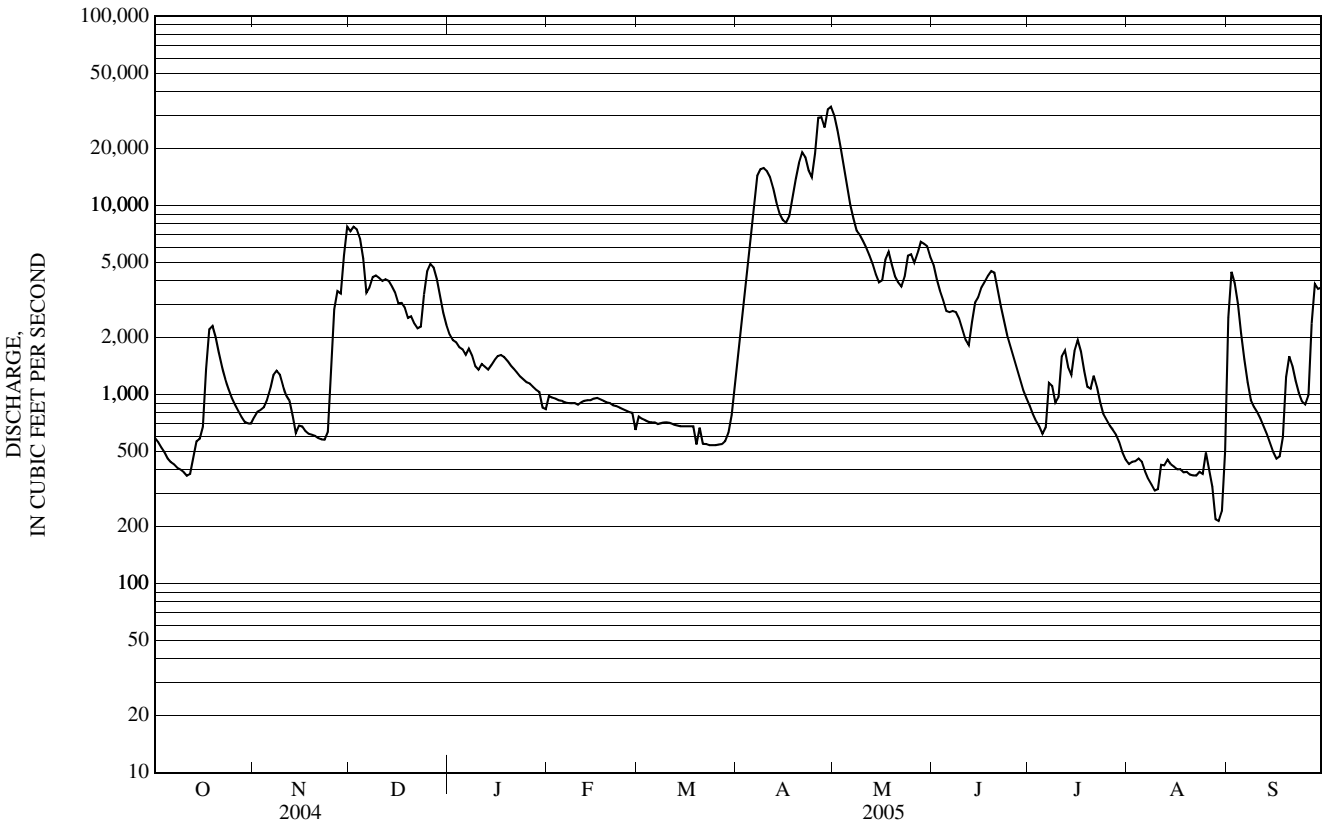
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	1,727	2,501	1,919	1,104	1,036	1,470	8,359	7,743	2,447	1,369	1,028	1,119
MAX	8,098	9,767	7,975	2,893	3,864	10,440	16,990	20,350	6,928	5,882	5,728	5,321
(WY)	(1982)	(1964)	(1951)	(1996)	(1996)	(1936)	(1976)	(1961)	(1984)	(1954)	(1981)	(1999)
MIN	265	218	175	167	101	324	1,468	1,775	634	189	152	106
(WY)	(1956)	(1956)	(1956)	(1948)	(1948)	(1948)	(1944)	(1987)	(1988)	(1991)	(1968)	(1995)

e Estimated

01017000 AROOSTOOK RIVER AT WASHBURN, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	869,587		1,146,127			
ANNUAL MEAN	2,376		3,140		2,655	
HIGHEST ANNUAL MEAN					4,145	1954
LOWEST ANNUAL MEAN					1,409	1957
HIGHEST DAILY MEAN	14,900	Apr 21	33,300	Apr 30	42,500	Apr 19, 1983
LOWEST DAILY MEAN	372	Oct 11	214	Aug 29	75	Feb 13, 1948
ANNUAL SEVEN-DAY MINIMUM	403	Oct 6	325	Aug 24	78	Feb 9, 1948
MAXIMUM PEAK FLOW			34,100	Apr 30	43,400	Apr 19, 1983
MAXIMUM PEAK STAGE			14.10	Apr 9	20.91	Dec 24, 1973
10 PERCENT EXCEEDS	5,580		7,330		6,800	
50 PERCENT EXCEEDS	1,390		1,180		1,170	
90 PERCENT EXCEEDS	564		456		390	



01017550 WILLIAMS BROOK AT PHAIR, ME

LOCATION.--Lat 46° 37'41", long 67° 57'11", 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 mi^2.

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, Dec. 3 to Apr. 4, and periods of doubtful stage-discharge relation, Oct. 10-13, June 21 to July 13, July 30 to Aug. 10, Aug. 23 to Sept. 8, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft^3/s, Apr. 6, 2005, gage height, 4.47 ft; minimum discharge, 0.19 ft^3/s, Aug. 16 and 25, 2001, gage height, 1.10 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 90 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 6	2200	*142	*4.47	Jun 14	0145	96	3.69

Minimum discharge, 0.21 ft^3/s, Aug. 19, gage height, 1.10 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	2.0	7.0	e8.0	e1.7	e1.2	e11	25	5.5	e2.0	e2.9	e21
2	1.2	1.6	18	e7.6	e1.7	e1.3	e13	19	5.3	e2.1	e3.8	e6.8
3	1.1	2.1	e7.4	e5.5	e1.7	e1.2	e21	15	4.7	e1.7	e3.2	e3.7
4	1.2	1.8	e5.4	e4.8	e1.7	e1.2	e105	12	4.3	e1.6	e1.9	e2.6
5	1.2	2.5	e5.4	e4.1	e1.7	e1.1	97	10	3.9	e1.7	e1.4	e2.0
6	1.0	4.1	e4.6	e3.8	e1.6	e1.1	92	9.1	4.0	e3.2	e1.2	e2.0
7	0.91	4.0	e4.0	e3.7	e1.7	e1.1	70	8.7	5.8	e2.2	e1.4	e2.1
8	0.93	3.1	e4.8	e3.5	e1.7	e1.6	45	12	4.3	e1.9	e0.90	e2.0
9	1.0	2.2	e4.7	e3.3	e1.8	e2.9	48	12	3.6	e1.6	e1.2	1.9
10	e1.0	1.7	e4.5	e3.3	e1.8	e2.3	41	9.0	3.1	e3.7	e1.0	1.9
11	e1.0	1.6	e5.0	e3.1	e1.8	e1.9	26	8.0	2.9	e3.6	2.1	1.6
12	e2.2	1.5	e5.0	e2.8	e1.8	e1.7	14	7.4	5.8	e2.8	1.1	1.6
13	e1.7	1.2	e4.6	e2.9	e1.7	e1.6	10	6.2	23	e2.1	0.88	1.4
14	1.4	1.1	e4.3	e30	e1.6	e1.5	12	5.8	42	4.2	1.2	1.3
15	1.3	1.2	e4.0	e28	e1.7	e1.5	12	6.5	10	7.7	0.87	1.4
16	3.9	1.2	e3.8	e13	e1.7	e1.7	14	9.3	10	3.4	0.95	1.5
17	5.8	1.1	e3.9	e5.4	e2.3	e1.6	19	10	8.4	2.1	1.0	2.0
18	4.5	1.2	e3.5	e4.0	e2.0	e1.5	22	7.3	8.1	1.9	0.79	4.3
19	2.8	1.3	e3.5	e3.6	e1.8	e1.4	19	6.1	7.0	2.5	0.68	3.6
20	2.1	1.4	e3.5	e3.6	e1.7	e1.4	22	5.7	5.3	7.0	0.65	2.3
21	1.8	1.3	e3.2	e3.1	e1.5	e1.3	15	6.0	e4.4	3.3	0.78	2.5
22	1.7	1.4	e3.0	e2.8	e1.5	e1.3	10	6.2	e3.8	2.3	1.1	2.0
23	1.5	1.5	e4.2	e2.7	e1.5	e1.4	9.6	12	e3.3	3.4	e1.5	2.5
24	1.5	1.5	e39	e2.6	e1.4	e1.3	14	6.8	e3.0	2.3	e2.2	2.2
25	1.5	5.8	e21	e2.5	e1.3	e1.3	35	5.4	e2.7	2.0	e2.7	1.8
26	1.4	7.1	e12	e2.3	e1.3	e1.3	20	5.8	e2.5	2.2	e3.0	6.4
27	1.4	3.5	e7.5	e2.1	e1.2	e1.3	12	8.5	e2.3	2.0	e3.0	12
28	1.3	2.6	e6.5	e1.9	e1.2	e1.4	26	6.5	e2.2	1.9	e3.4	5.1
29	1.3	12	e6.3	e1.9	---	e4.7	67	6.3	e2.1	1.6	e8.2	4.3
30	1.2	7.5	e5.2	e1.9	---	e7.5	37	7.0	e2.0	e1.5	e15	9.7
31	2.0	---	e4.9	e1.8	---	e11	---	6.2	---	e1.8	e12	---
TOTAL	54.04	82.1	219.7	169.6	46.1	64.6	958.6	280.8	195.3	83.3	82.00	115.5
MEAN	1.74	2.74	7.09	5.47	1.65	2.08	32.0	9.06	6.51	2.69	2.65	3.85
MAX	5.8	12	39	30	2.3	11	105	25	42	7.7	15	21
MIN	0.91	1.1	3.0	1.8	1.2	1.1	9.6	5.4	2.0	1.5	0.65	1.3
CFSM	0.46	0.72	1.86	1.43	0.43	0.55	8.36	2.37	1.70	0.70	0.69	1.01
IN.	0.53	0.80	2.14	1.65	0.45	0.63	9.34	2.73	1.90	0.81	0.80	1.12

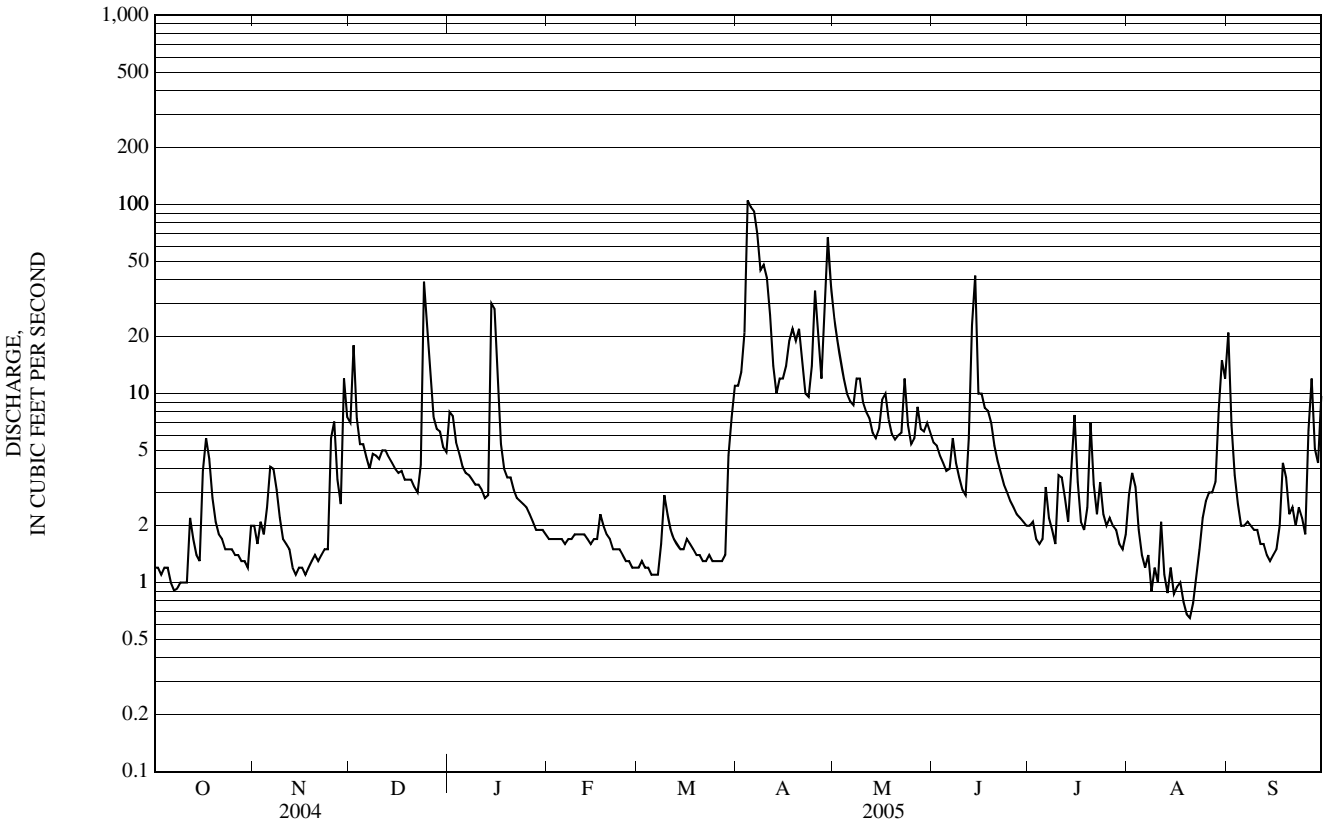
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

MEAN	2.03	4.67	5.95	2.44	1.18	5.32	24.0	8.51	3.76	2.60	1.66	1.68
MAX	4.89	11.3	11.9	5.47	1.65	16.2	32.0	12.4	6.51	4.57	2.90	3.85
(WY)	(2004)	(2004)	(2004)	(2005)	(2005)	(2000)	(2005)	(2000)	(2005)	(2002)	(2003)	(2005)
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2000 - 2005	
ANNUAL TOTAL	1,537.36		2,351.64			
ANNUAL MEAN	4.20		6.44		4.94	
HIGHEST ANNUAL MEAN					6.44	2005
LOWEST ANNUAL MEAN					3.53	2001
HIGHEST DAILY MEAN	39	Dec 24	105	Apr 4	117	Apr 23, 2001
LOWEST DAILY MEAN	0.72	Aug 28	0.65	Aug 20	0.24	Aug 25, 2001
ANNUAL SEVEN-DAY MINIMUM	0.96	Aug 24	0.82	Aug 15	0.27	Sep 14, 2001
MAXIMUM PEAK FLOW			142	Apr 6	142	Apr 6, 2005
MAXIMUM PEAK STAGE			4.47	Apr 6	4.47	Apr 6, 2005
INSTANTANEOUS LOW FLOW			0.21	Aug 19	0.19	Aug 16, 2001
ANNUAL RUNOFF (CFSM)	1.10		1.69		1.29	
ANNUAL RUNOFF (INCHES)	14.97		22.90		17.58	
10 PERCENT EXCEEDS	9.1		12		11	
50 PERCENT EXCEEDS	2.1		2.8		1.9	
90 PERCENT EXCEEDS	1.1		1.2		0.68	



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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--
DISCHARGE: October 2003 to current year.

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 period of ice effect, Dec. 4 to Apr. 4, which is poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,020 ft^3/s, Apr. 29, 2005, gage height, 6.92 ft; maximum gage height, 11.04 ft, Apr. 4, 2005 (backwater from ice); minimum discharge, 2.8 ft^3/s, Aug. 20, 29, 2005, gage height, 2.16 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 29	0145	1,770	6.70	Apr 29	2100	*2,020	6.92
Apr 4	1000	Ice Jam	*11.04				

Minimum discharge, 2.8 ft^3/s, Aug. 20, 29, gage height, 2.16 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	57	387	e159	e48	e35	e873	1,080	183	64	17	235
2	16	53	656	e157	e47	e39	e812	829	162	56	27	247
3	17	57	689	e144	e46	e37	e951	644	143	48	35	152
4	16	59	e427	e129	e45	e33	e1,520	507	127	41	27	94
5	15	74	e294	e116	e44	e30	1,660	410	124	34	22	63
6	14	125	e239	e105	e43	e28	1,330	337	127	37	19	46
7	14	121	e203	e95	e42	e27	1,230	289	131	40	28	36
8	14	106	e177	e86	e42	e40	994	399	122	32	33	28
9	13	92	e155	e79	e44	e77	917	507	108	27	21	28
10	13	75	e140	e72	e52	e109	816	412	94	32	16	27
11	12	66	e135	e67	e55	e120	745	340	83	39	18	22
12	26	63	e130	e64	e69	e102	630	283	82	39	15	19
13	51	56	e115	e62	e62	e87	503	230	395	39	13	16
14	44	52	e99	e62	e46	e74	436	197	487	38	12	14
15	39	49	e88	e106	e41	e65	399	182	367	68	8.7	14
16	52	46	e80	e101	e52	e63	377	214	287	69	6.6	13
17	116	42	e74	e93	e75	e64	411	254	310	50	5.5	33
18	128	42	e69	e85	e87	e61	510	232	309	38	4.3	146
19	98	43	e65	e79	e82	e55	556	200	267	33	3.5	131
20	75	45	e63	e75	e73	e52	560	178	207	37	3.1	95
21	62	43	e59	e71	e66	e52	564	162	165	37	3.9	70
22	54	43	e57	e68	e59	e52	473	153	138	29	4.6	54
23	49	43	e56	e65	e54	e53	389	181	121	45	4.7	47
24	44	42	e213	e62	e50	e54	378	220	103	47	4.9	45
25	41	107	e313	e60	e45	e52	573	200	87	37	5.1	38
26	38	235	e327	e57	e42	e52	1,010	199	74	35	4.8	38
27	36	196	e288	e55	e39	e53	695	325	64	31	3.9	97
28	34	140	e254	e53	e37	e86	586	364	57	29	3.4	111
29	32	270	e221	e52	---	e233	1,500	289	71	24	3.4	89
30	30	479	e197	e50	---	e499	1,680	237	77	20	48	117
31	43	---	e176	e49	---	e801	---	208	---	17	137	---
TOTAL	1,254	2,921	6,446	2,578	1,487	3,185	24,078	10,262	5,072	1,212	558.4	2,165
MEAN	40.5	97.4	208	83.2	53.1	103	803	331	169	39.1	18.0	72.2
MAX	128	479	689	159	87	801	1,680	1,080	487	69	137	247
MIN	12	42	56	49	37	27	377	153	57	17	3.1	13
CFSM	0.46	1.11	2.36	0.95	0.60	1.17	9.12	3.76	1.92	0.44	0.20	0.82
IN.	0.53	1.23	2.72	1.09	0.63	1.35	10.18	4.34	2.14	0.51	0.24	0.92

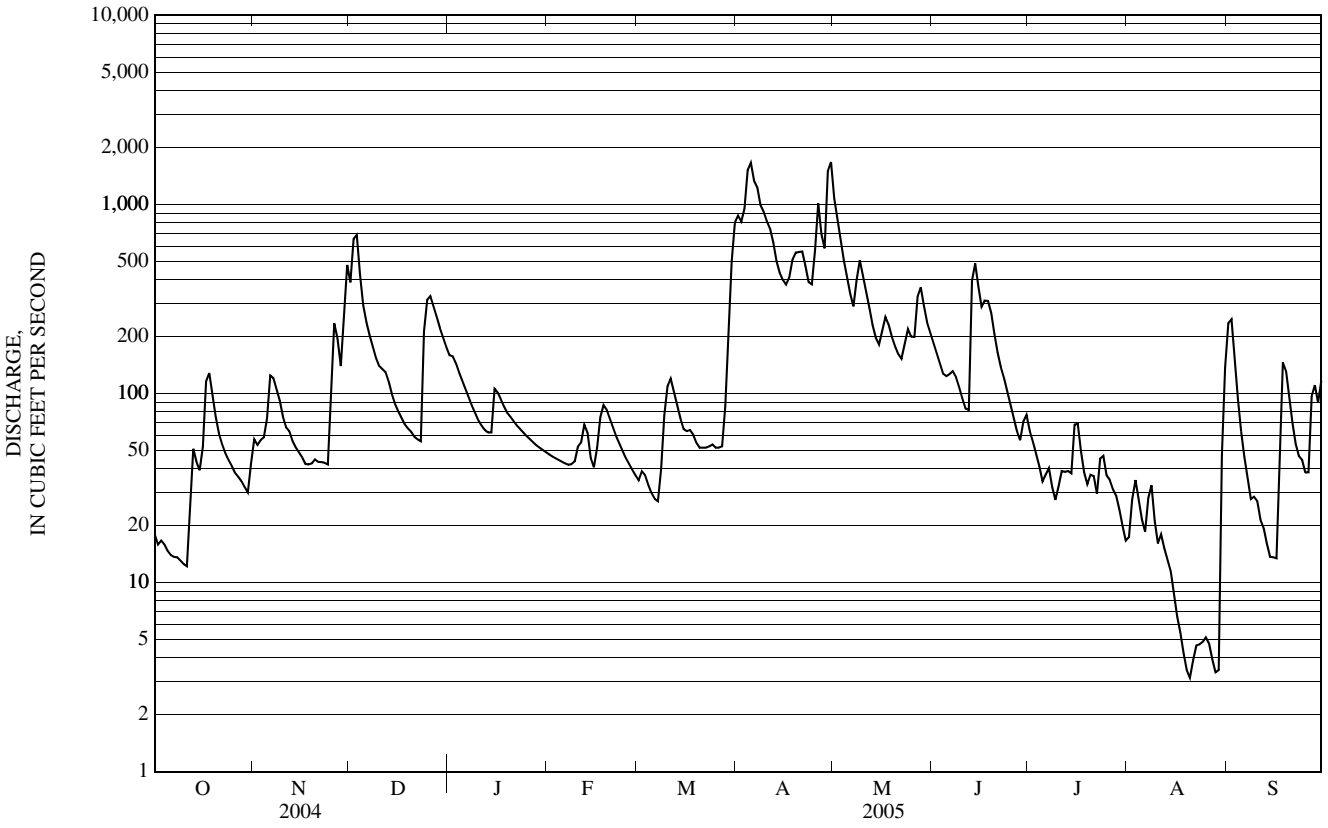
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	150	228	252	97.0	41.8	84.3	582	233	110	38.5	26.5	82.9
MAX	259	360	295	111	53.1	103	803	331	169	39.1	35.1	93.6
(WY)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	40.5	97.4	208	83.2	30.8	65.8	362	135	50.5	38.0	18.0	72.2
(WY)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

e Estimated

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	38,622		61,218.4			
ANNUAL MEAN	106		168		160	
HIGHEST ANNUAL MEAN					168	2005
LOWEST ANNUAL MEAN					153	2004
HIGHEST DAILY MEAN	803	Apr 15	1,680	Apr 30	1,680	Apr 30, 2005
LOWEST DAILY MEAN	12	Aug 8	3.1	Aug 20	3.1	Aug 20, 2005
ANNUAL SEVEN-DAY MINIMUM	14	Oct 5	4.1	Aug 18	4.1	Aug 18, 2005
MAXIMUM PEAK FLOW			2,020	Apr 29	2,020	Apr 29, 2005
MAXIMUM PEAK STAGE			11.04	Apr 4	11.04	Apr 4, 2005
INSTANTANEOUS LOW FLOW			2.8	Aug 20	2.8	Aug 20, 2005
ANNUAL RUNOFF (CFSM)	1.20		1.91		1.82	
ANNUAL RUNOFF (INCHES)	16.33		25.88		24.75	
10 PERCENT EXCEEDS	271		431		399	
50 PERCENT EXCEEDS	55		65		70	
90 PERCENT EXCEEDS	22		18		23	



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

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 2005 to September 2005.
pH: July 2005 to September 2005.
WATER TEMPERATURE: July 2005 to September 2005.
DISSOLVED OXYGEN: July 2005 to September 2005.

INSTRUMENTATION.--In-situ monitor located 20 ft above gaging pool and 1 ft above river bed.

REMARKS.--Records good except for the periods Sept. 27-30, which are fair, and Aug. 5-11, and Aug. 15 to Sept. 14, which are poor, for dissolved oxygen.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 223 microsiemens/cm, July 31; minimum, 129 microsiemens/cm, Sept. 4.
pH: Maximum, 9.1 standard units, July 31; minimum, 7.4 standard units, Sept. 2, 3.
WATER TEMPERATURE: Maximum, 30.3° C, July 19; minimum, 12.4° C, Sept. 30.
DISSOLVED OXYGEN: Maximum, 11.5 mg/L, Aug. 26, 27; minimum, 6.6 mg/L, July 20.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	186	178	183	176	139	156
2	---	---	---	171	166	169	191	182	187	139	131	133
3	---	---	---	174	168	172	---	---	---	134	131	132
4	---	---	---	176	172	174	188	179	183	135	129	131
5	---	---	---	179	173	175	189	182	185	134	130	132
6	---	---	---	186	175	180	190	184	187	135	132	134
7	---	---	---	196	180	190	187	182	185	136	133	134
8	---	---	---	187	175	181	186	181	182	138	134	135
9	---	---	---	187	178	181	185	180	182	138	135	137
10	---	---	---	194	186	189	185	173	182	138	135	137
11	---	---	---	195	189	192	189	177	183	139	136	138
12	---	---	---	193	189	191	190	186	188	141	138	139
13	---	---	---	194	190	191	196	186	190	144	140	142
14	---	---	---	198	188	191	187	184	186	145	141	143
15	---	---	---	200	185	191	189	187	188	144	140	142
16	---	---	---	189	175	184	190	188	189	147	142	144
17	---	---	---	176	168	173	192	189	191	187	136	156
18	---	---	---	170	167	168	194	191	192	169	155	158
19	---	---	---	170	165	168	194	191	193	158	150	153
20	---	---	---	170	167	168	195	193	194	150	143	146
21	---	---	---	173	168	169	195	191	193	144	143	144
22	---	---	---	189	173	182	197	192	195	145	144	145
23	---	---	---	199	181	190	198	193	195	147	145	146
24	---	---	---	181	177	179	197	190	194	147	145	146
25	---	---	---	195	176	187	198	193	196	146	145	145
26	---	---	---	201	181	192	197	192	195	160	143	148
27	---	---	---	206	182	193	198	194	196	167	154	160
28	---	---	---	199	178	188	197	193	196	158	154	156
29	---	---	---	211	183	194	199	190	195	155	147	151
30	---	---	---	214	185	197	202	170	192	157	149	153
31	---	---	---	223	180	197	203	176	196	---	---	---
MONTH	---	---	---	223	165	183	203	170	190	187	129	144
PERIOD	223	129	172									

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

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	8.7	8.0	8.3	7.6	7.5	7.6
2	---	---	---	8.3	7.8	8.0	8.6	7.9	8.2	7.5	7.4	7.5
3	---	---	---	8.3	7.8	8.0	---	---	---	7.6	7.4	7.5
4	---	---	---	8.4	7.8	8.0	8.6	7.8	8.1	7.8	7.5	7.6
5	---	---	---	8.5	7.8	8.1	8.6	7.8	8.1	7.9	7.6	7.7
6	---	---	---	8.3	7.8	8.0	8.6	7.8	8.2	8.0	7.6	7.8
7	---	---	---	8.3	7.8	8.0	8.5	7.8	8.1	8.2	7.6	7.8
8	---	---	---	8.3	7.8	8.0	8.5	7.9	8.1	8.4	7.7	8.0
9	---	---	---	8.3	7.8	8.0	8.5	7.8	8.1	8.4	7.7	7.9
10	---	---	---	8.3	7.8	8.0	8.5	7.8	8.1	8.4	7.7	7.9
11	---	---	---	8.4	7.8	8.0	8.3	7.8	8.0	8.5	7.7	8.0
12	---	---	---	8.5	7.8	8.1	8.3	7.8	8.0	8.5	7.8	8.0
13	---	---	---	8.5	7.8	8.1	8.4	7.9	8.1	8.5	7.7	8.0
14	---	---	---	8.2	7.8	8.0	8.3	7.8	8.1	8.5	7.8	8.1
15	---	---	---	8.2	7.8	8.0	8.3	7.8	8.0	8.2	7.7	7.9
16	---	---	---	8.4	7.9	8.1	8.3	7.8	8.0	8.5	7.7	8.0
17	---	---	---	8.5	7.9	8.1	8.3	7.8	8.0	7.9	7.6	7.8
18	---	---	---	8.5	7.9	8.1	8.5	7.9	8.1	7.6	7.5	7.5
19	---	---	---	8.7	7.8	8.2	8.4	7.9	8.1	7.7	7.5	7.6
20	---	---	---	8.6	7.8	8.1	8.5	7.9	8.2	7.7	7.5	7.6
21	---	---	---	8.7	7.8	8.2	8.3	7.9	8.0	7.8	7.6	7.7
22	---	---	---	8.7	7.8	8.2	8.5	7.8	8.1	7.8	7.6	7.7
23	---	---	---	8.5	7.8	8.1	8.5	7.8	8.1	7.9	7.6	7.7
24	---	---	---	8.6	7.9	8.2	8.6	7.8	8.1	8.0	7.6	7.8
25	---	---	---	8.3	7.9	8.0	8.5	7.9	8.1	8.1	7.7	7.9
26	---	---	---	8.7	7.8	8.2	8.5	7.9	8.1	7.9	7.7	7.7
27	---	---	---	8.6	7.9	8.2	8.6	7.8	8.2	7.8	7.6	7.7
28	---	---	---	8.8	7.9	8.3	8.6	7.9	8.2	7.8	7.6	7.7
29	---	---	---	8.9	7.9	8.3	8.4	7.9	8.1	7.9	7.6	7.7
30	---	---	---	9.0	7.9	8.4	8.0	7.7	7.8	7.8	7.6	7.7
31	---	---	---	9.1	7.9	8.5	7.8	7.6	7.7	---	---	---
MONTH	---	---	---	9.1	7.8	8.1	8.7	7.6	8.1	8.5	7.4	7.8
PERIOD	9.1	7.4	8.0									

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

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	22.8	19.9	20.9	21.3	19.6	20.4
2	---	---	---	25.4	21.7	23.0	24.3	20.7	22.3	21.4	19.4	20.5
3	---	---	---	25.9	20.6	22.9	---	---	---	21.6	19.8	20.7
4	---	---	---	27.4	21.2	23.9	26.2	19.4	22.6	20.7	19.0	19.9
5	---	---	---	26.2	21.8	23.9	25.1	20.9	22.7	21.4	18.1	19.5
6	---	---	---	23.7	21.2	22.5	26.8	20.2	23.1	22.0	17.8	19.6
7	---	---	---	25.3	18.9	21.9	26.6	19.4	22.9	23.2	18.0	20.3
8	---	---	---	26.6	19.6	22.8	28.2	22.2	24.8	23.3	18.9	20.8
9	---	---	---	22.6	21.3	21.9	29.8	22.9	26.0	22.5	18.2	20.0
10	---	---	---	23.1	20.6	21.6	29.5	23.6	26.2	20.2	16.8	18.4
11	---	---	---	26.1	20.6	22.9	28.3	23.6	25.7	19.7	14.8	17.3
12	---	---	---	26.2	21.7	23.5	27.9	20.9	24.2	21.2	16.8	18.6
13	---	---	---	26.1	22.1	23.6	26.4	21.9	24.0	20.4	15.7	18.1
14	---	---	---	23.0	21.5	22.2	24.0	21.9	23.0	20.6	17.3	18.8
15	---	---	---	24.4	20.3	22.3	27.0	20.7	23.5	19.9	18.6	19.2
16	---	---	---	25.6	21.2	23.3	26.4	19.9	23.1	21.6	17.9	19.7
17	---	---	---	27.2	22.0	24.3	25.4	19.9	22.3	19.7	17.1	18.0
18	---	---	---	27.5	24.3	25.5	23.0	17.2	19.9	17.2	16.7	16.9
19	---	---	---	30.3	24.8	26.9	23.7	15.3	19.4	17.6	15.7	16.7
20	---	---	---	30.1	25.3	27.2	21.7	18.7	20.3	16.6	15.5	16.1
21	---	---	---	29.1	24.8	26.8	21.5	19.9	20.5	16.9	15.0	15.9
22	---	---	---	30.1	23.9	26.7	23.9	18.5	20.9	15.4	14.5	14.9
23	---	---	---	28.5	23.9	25.9	23.9	18.3	21.1	17.0	14.8	15.5
24	---	---	---	27.0	23.1	24.8	22.2	19.8	20.9	16.6	13.6	14.8
25	---	---	---	23.1	21.1	22.0	23.6	17.9	20.7	15.7	12.7	14.1
26	---	---	---	25.5	20.3	22.7	25.2	17.1	21.0	15.1	14.0	14.6
27	---	---	---	25.0	22.8	23.7	25.6	17.6	21.5	15.8	14.3	15.0
28	---	---	---	26.7	20.8	23.4	22.6	19.0	20.8	15.6	13.4	14.5
29	---	---	---	27.2	19.9	23.2	21.9	20.4	21.2	15.4	13.7	14.6
30	---	---	---	25.4	20.0	22.6	21.9	19.9	21.1	13.7	12.4	13.0
31	---	---	---	26.7	18.8	22.5	21.3	20.1	20.9	---	---	---
MONTH	---	---	---	30.3	18.8	23.7	29.8	15.3	22.2	23.3	12.4	17.5
PERIOD	30.3	12.4	21.2									

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

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	9.7	7.5	8.5	9.0	8.2	8.6
2	---	---	---	8.8	7.4	8.0	9.7	7.6	8.4	9.0	8.2	8.6
3	---	---	---	9.0	7.7	8.2	---	---	---	9.3	8.5	8.9
4	---	---	---	8.9	7.5	8.2	9.9	7.7	8.7	9.9	8.8	9.3
5	---	---	---	9.1	7.3	8.2	9.7	7.6	8.4	10.2	9.1	9.6
6	---	---	---	9.0	7.2	8.0	9.4	7.5	8.2	10.4	9.2	9.7
7	---	---	---	9.2	7.7	8.4	9.2	7.6	8.2	10.5	8.8	9.6
8	---	---	---	9.1	7.5	8.3	8.8	7.2	8.0	10.7	8.6	9.4
9	---	---	---	9.2	7.5	8.2	8.7	7.1	7.8	10.4	8.6	9.3
10	---	---	---	9.3	7.6	8.3	8.6	7.0	7.7	10.8	8.7	9.7
11	---	---	---	9.2	7.6	8.3	8.7	7.0	7.6	11.1	9.0	10.0
12	---	---	---	9.3	7.7	8.4	8.5	7.1	7.8	10.6	8.9	9.6
13	---	---	---	9.4	7.6	8.3	8.5	7.1	7.7	10.7	8.7	9.6
14	---	---	---	9.3	7.6	8.2	8.6	7.2	7.8	10.6	8.5	9.4
15	---	---	---	8.9	7.6	8.2	8.8	7.3	8.0	9.8	8.3	8.9
16	---	---	---	9.0	7.8	8.3	9.1	7.3	8.1	10.3	8.0	9.0
17	---	---	---	9.0	7.4	8.2	9.1	7.0	8.0	9.4	8.0	8.6
18	---	---	---	8.7	6.9	7.7	10.2	7.0	8.7	8.8	8.1	8.4
19	---	---	---	8.7	6.6	7.5	11.0	8.1	9.4	9.3	8.3	8.8
20	---	---	---	8.4	6.6	7.4	10.8	8.2	9.3	9.7	8.8	9.1
21	---	---	---	8.6	6.7	7.5	10.3	8.2	9.1	9.9	8.8	9.3
22	---	---	---	8.6	6.8	7.6	11.1	8.4	9.4	9.8	9.1	9.4
23	---	---	---	8.4	6.8	7.6	10.9	8.2	9.4	10.0	9.0	9.4
24	---	---	---	8.8	7.1	7.9	11.3	8.2	9.4	10.3	9.2	9.6
25	---	---	---	8.7	7.4	8.0	11.0	8.3	9.4	10.9	9.4	10
26	---	---	---	9.4	7.3	8.3	11.5	8.0	9.4	10.0	8.9	9.4
27	---	---	---	9.0	7.2	7.9	11.5	8.0	9.3	9.6	8.8	9.2
28	---	---	---	9.5	7.2	8.3	11.1	8.0	9.3	9.9	9.1	9.4
29	---	---	---	9.4	7.4	8.3	10.4	8.0	8.9	10.2	9.0	9.4
30	---	---	---	9.7	7.3	8.5	9.3	8.0	8.5	10.2	9.2	9.7
31	---	---	---	9.9	7.6	8.7	8.7	8.0	8.3	---	---	---
MONTH	---	---	---	9.9	6.6	8.1	11.5	7.0	8.6	11.1	8.0	9.3
PERIOD	11.5	6.6	8.7									

01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME

LOCATION.--Lat 46° 06'18", long 67° 52'00", 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 mi^2.

WATER-DISCHARGE RECORDS

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

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

REMARKS.--Records good, except for periods of doubtful stage-discharge relation, Aug. 12-17, Aug. 21 to Sept. 30, period of no gage-height record, Jan. 7-11, which are fair, and period of ice effect, Dec. 3 to Apr. 4, which is poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 4	1130	Ice Jam	*7.54	Apr 30	0515	3,370	7.13
Apr 5	0300	*3,410	7.17				

Minimum daily discharge, 11 ft^3/s, Aug. 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	102	735	e293	e97	e68	e1,520	2,130	376	96	40	e536
2	37	98	1,200	e297	e94	e76	e1,290	1,680	323	84	62	e556
3	37	107	e1,090	e267	e91	e74	e1,640	1,300	276	73	97	e349
4	36	113	e776	e238	e88	e66	e2,820	1,020	237	63	82	e216
5	34	150	e545	e215	e86	e62	3,230	823	232	52	64	e145
6	33	255	e438	e193	e84	e58	2,780	685	238	61	51	e107
7	33	263	e376	e175	e83	e55	2,500	590	248	65	53	e82
8	32	233	e328	e159	e81	e78	2,100	921	227	54	55	e63
9	31	201	e286	e146	e84	e162	1,950	1,270	198	47	38	e65
10	30	163	e260	e135	e94	e238	1,760	1,070	170	56	31	e61
11	27	139	e249	e126	e104	e237	1,530	827	148	67	35	e48
12	64	129	e240	e118	e109	e207	1,290	654	156	67	e30	e43
13	108	112	e213	e114	e96	e181	1,000	522	625	67	e26	e35
14	96	100	e183	e113	e81	e161	864	437	756	66	e22	e29
15	86	94	e163	e180	e76	e142	798	392	585	181	e19	e29
16	111	88	e148	e196	e93	e134	763	457	504	143	e16	e28
17	213	81	e138	e190	e154	e131	830	537	563	94	e14	e73
18	238	80	e128	e179	e183	e123	1,010	491	582	70	13	e333
19	193	80	e121	e169	e173	e112	1,100	422	516	61	e12	e300
20	155	82	e115	e160	e145	e105	1,110	371	401	80	e11	e217
21	130	82	e110	e151	e121	e102	1,090	334	312	87	e14	e162
22	114	81	e106	e146	e108	e102	911	312	250	68	e18	e125
23	101	80	e103	e139	e96	e101	756	366	209	120	e18	e109
24	92	79	e390	e133	e87	e105	739	431	170	141	e18	e103
25	84	202	e568	e127	e80	e105	1,170	390	139	108	e19	e88
26	79	435	e595	e122	e75	e105	1,880	400	120	90	e18	e87
27	75	391	e521	e117	e71	e105	1,450	706	103	77	e15	e217
28	70	310	e461	e112	e67	e135	1,240	802	90	72	e13	e255
29	66	575	e404	e107	---	e454	2,610	662	100	62	e14	e204
30	63	857	e359	e104	---	e943	3,010	533	111	48	e156	e264
31	84	---	e322	e99	---	e1,590	---	448	---	38	e314	---
TOTAL	2,593	5,762	11,671	5,020	2,801	6,317	46,741	21,983	8,965	2,458	1,388	4,929
MEAN	83.6	192	376	162	100	204	1,558	709	299	79.3	44.8	164
MAX	238	857	1,200	297	183	1,590	3,230	2,130	756	181	314	556
MIN	27	79	103	99	67	55	739	312	90	38	11	28
CFSM	0.48	1.10	2.15	0.93	0.57	1.16	8.90	4.05	1.71	0.45	0.26	0.94
IN.	0.55	1.22	2.48	1.07	0.60	1.34	9.94	4.67	1.91	0.52	0.30	1.05

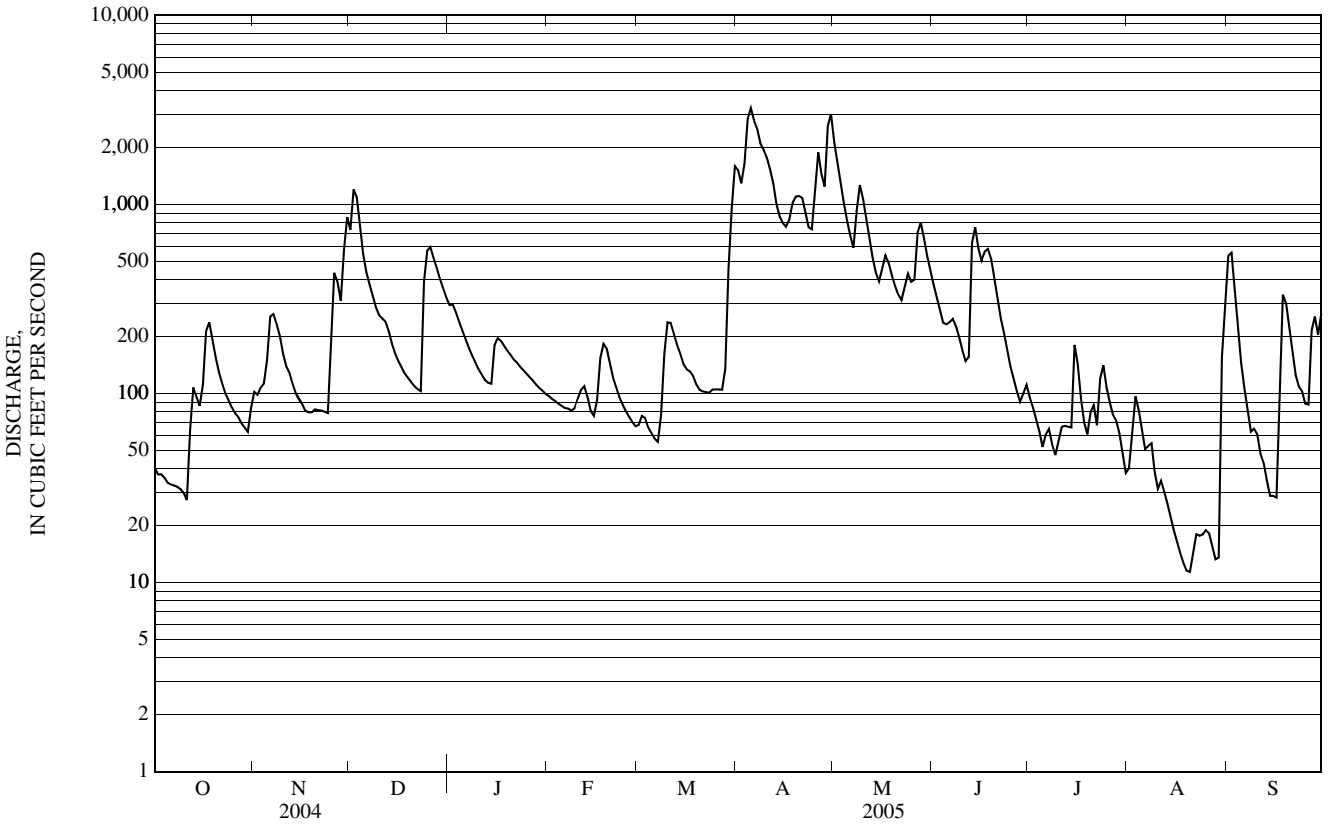
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2005, BY WATER YEAR (WY)

MEAN	184	336	292	154	152	259	1,079	614	215	107	86.7	115
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 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1941 - 2005	
ANNUAL TOTAL	76,737		120,628			
ANNUAL MEAN	210		330		301	
HIGHEST ANNUAL MEAN					473	1951
LOWEST ANNUAL MEAN					152	1957
HIGHEST DAILY MEAN	1,630	Apr 15	3,230	Apr 5	6,010	Apr 4, 1976
LOWEST DAILY MEAN	26	Aug 7	11	Aug 20	3.7	Sep 6, 1953
ANNUAL SEVEN-DAY MINIMUM	31	Oct 5	14	Aug 16	4.4	Sep 5, 1960
MAXIMUM PEAK FLOW			3,410	Apr 5	6,640	Apr 3, 1976
MAXIMUM PEAK STAGE			7.54	Apr 4	10.83	Mar 27, 1953
INSTANTANEOUS LOW FLOW					3.6	Sep 19, 1946
ANNUAL RUNOFF (CFSM)	1.20		1.89		1.72	
ANNUAL RUNOFF (INCHES)	16.31		25.64		23.40	
10 PERCENT EXCEEDS	551		860		761	
50 PERCENT EXCEEDS	104		131		135	
90 PERCENT EXCEEDS	44		39		23	



01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 2005 to September 2005.
pH: June 2005 to September 2005.
WATER TEMPERATURE: June 2005 to September 2005.
DISSOLVED OXYGEN: June 2005 to September 2005.

INSTRUMENTATION.--In-situ monitor located at gaging pool and 1 ft above river bed.

REMARKS.--Records good except for the periods Aug. 25 to Sept. 6, which are rated fair, and Sept. 7-15, which are poor, for dissolved oxygen.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 230 microsiemens/cm, Aug. 21; minimum, 113 microsiemens/cm, Sept. 4.
pH: Maximum, 8.5 standard units, on several days; minimum, 7.4 standard units, June 1, 2, 3, 4, 5.
WATER TEMPERATURE: Maximum, 29.1° C, July 19; minimum, 11.4° C, Sept. 25.
DISSOLVED OXYGEN: Maximum, 11.6 mg/L, July 10; minimum, 6.6 mg/L, July 19, 20.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	171	165	168	181	173	176	163	141	151
2	121	116	118	180	171	176	181	166	175	141	121	129
3	125	121	123	182	177	179	172	161	164	121	114	116
4	131	125	127	201	181	193	167	159	161	116	113	114
5	139	131	136	203	195	198	164	158	161	122	116	120
6	145	138	140	205	191	197	171	164	167	135	122	128
7	146	142	144	193	187	190	181	171	175	138	132	134
8	148	144	146	217	188	199	183	179	181	139	129	134
9	149	146	147	219	192	204	188	179	184	136	132	134
10	149	146	147	201	196	197	190	183	188	136	131	133
11	153	149	151	200	194	196	196	183	188	141	136	137
12	158	145	154	198	192	195	201	196	198	147	140	142
13	174	143	158	200	194	196	202	195	198	149	145	146
14	152	141	147	198	187	192	201	196	199	154	148	150
15	141	140	141	188	160	167	206	199	202	155	151	153
16	148	141	144	174	165	171	206	200	203	151	144	146
17	141	132	135	176	170	173	213	203	206	174	139	149
18	132	130	131	178	166	173	218	212	215	168	140	147
19	130	127	128	181	175	177	224	218	219	140	138	139
20	129	127	128	180	173	176	228	222	225	140	137	138
21	133	129	131	175	170	172	230	221	225	141	139	140
22	143	133	138	186	170	179	222	214	218	141	139	140
23	144	142	143	199	175	184	216	208	212	143	139	141
24	153	144	149	196	175	185	210	201	206	143	141	142
25	157	152	154	198	174	185	206	197	201	147	143	144
26	163	157	160	178	169	175	209	202	206	152	145	148
27	167	160	164	178	166	171	215	207	210	162	144	153
28	177	165	170	175	167	171	217	211	214	144	140	141
29	181	164	172	171	164	167	220	213	216	140	133	137
30	167	164	165	171	167	168	216	174	190	150	135	141
31	---	---	---	176	170	173	175	163	172	---	---	---
MONTH	181	116	145	219	160	182	230	158	195	174	113	139
PERIOD	230	113	166									

01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.2	7.8	7.9	8.1	7.8	7.9	7.8	7.6	7.7
2	7.7	7.4	7.5	8.3	7.8	8.0	8.2	7.8	8.0	7.6	7.6	7.6
3	7.8	7.4	7.6	8.3	7.8	8.0	8.2	7.8	7.9	7.7	7.5	7.6
4	7.8	7.4	7.6	8.3	7.8	8.0	8.2	7.7	---	7.8	7.6	7.7
5	7.8	7.4	7.6	8.5	7.8	8.1	8.2	7.8	7.9	7.9	7.6	7.7
6	7.7	7.5	7.5	8.3	7.8	8.0	8.2	7.7	7.9	8.0	7.6	7.8
7	7.8	7.5	7.6	8.4	7.8	8.0	8.3	7.7	7.9	8.2	7.7	7.9
8	7.8	7.5	7.6	8.5	7.8	8.1	8.3	7.8	8.0	8.3	7.7	7.9
9	8.2	7.5	7.8	8.3	7.8	8.0	8.3	7.7	8.0	8.3	7.7	7.9
10	8.1	7.8	7.9	8.5	7.8	8.1	8.4	7.7	8.0	8.3	7.7	8.0
11	8.2	7.8	8.0	8.5	7.8	8.1	8.3	7.8	8.0	8.4	7.8	8.0
12	8.2	7.7	7.9	8.5	7.8	8.1	8.3	7.8	8.0	8.4	7.8	8.0
13	7.7	7.5	7.6	8.5	7.8	8.1	8.3	7.8	8.0	8.3	7.7	8.0
14	7.6	7.6	7.6	8.3	7.8	---	8.3	7.8	8.0	8.4	7.8	8.0
15	7.7	7.6	7.7	8.0	7.7	---	8.4	7.8	8.0	8.1	7.7	7.5
16	7.8	7.7	7.7	8.3	7.8	8.0	8.4	7.8	8.1	8.3	7.7	7.9
17	7.8	7.7	7.7	8.4	7.8	8.0	8.4	7.8	8.0	7.8	7.7	7.7
18	7.8	7.7	7.7	8.4	7.8	8.0	8.4	7.8	8.1	7.7	7.6	7.6
19	7.8	7.7	7.8	8.5	7.8	8.1	8.3	7.8	8.0	7.8	7.6	7.7
20	7.9	7.7	7.8	8.3	7.7	8.0	8.3	7.8	8.0	7.8	7.6	7.7
21	8.0	7.7	7.8	8.4	7.7	8.0	8.2	7.8	8.0	7.9	7.6	7.8
22	8.0	7.7	7.9	8.4	7.8	8.0	8.4	7.8	8.1	7.8	7.7	7.7
23	8.0	7.7	7.2	8.3	7.8	8.0	8.3	7.8	8.0	8.0	7.6	7.8
24	8.0	7.7	7.8	8.2	7.8	8.0	8.4	7.9	8.1	8.0	7.7	7.8
25	8.1	7.7	7.8	8.0	7.8	7.9	8.4	7.9	8.1	8.1	7.7	7.8
26	8.1	7.6	7.8	8.3	7.8	8.0	8.4	7.8	8.1	7.8	7.7	7.7
27	8.2	7.7	7.9	8.2	7.7	7.9	8.5	7.8	8.1	7.9	7.7	7.8
28	8.2	7.7	7.9	8.3	7.8	8.0	8.4	7.9	8.1	7.9	7.6	7.7
29	8.2	7.7	7.9	8.3	7.7	8.0	8.2	7.9	8.0	8.0	7.6	7.8
30	8.2	7.7	7.9	8.4	7.8	8.0	8.0	7.8	7.9	7.9	7.7	7.8
31	---	---	---	8.3	7.8	8.0	7.9	7.7	7.8	---	---	---
MONTH	8.2	7.4	7.7	8.5	7.7	8.0	8.5	7.7	8.0	8.4	7.5	7.8
PERIOD	8.5	7.4	7.9									

01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	22.7	21.2	21.8	20.9	18.9	19.6	21.4	19.8	20.5
2	20.6	15.7	18.0	25.0	20.7	22.2	23.2	19.2	21.1	21.7	19.4	20.5
3	21.7	17.6	19.5	25.0	19.0	21.8	23.7	19.2	21.4	21.8	19.6	20.6
4	21.9	18.6	20.3	26.3	20.1	22.8	24.1	18.2	21.2	21.0	18.7	19.7
5	20.2	17.8	19.0	24.8	20.6	22.6	22.9	19.9	21.5	21.1	17.3	19.0
6	18.4	15.1	16.5	22.6	19.6	21.2	24.3	19.1	21.7	21.0	16.4	18.7
7	19.3	14.5	16.6	24.1	17.4	20.5	25.3	18.5	21.9	21.9	16.9	19.5
8	18.2	16.6	17.4	24.7	18.4	21.4	27.2	21.3	23.9	21.7	18.1	20.0
9	20.5	15.1	17.8	21.6	19.9	20.6	28.3	22.3	24.9	20.5	17.5	19.0
10	21.5	18.2	19.9	22.0	19.3	20.3	28.3	22.7	25.0	18.4	15.6	17.0
11	23.2	19.6	21.2	24.8	19.6	21.9	27.2	22.7	24.5	17.6	13.7	15.8
12	23.4	20.4	21.6	25.0	20.3	22.4	26.2	19.8	22.8	20.2	16.3	17.8
13	21.2	19.8	20.5	24.7	21.1	22.5	24.9	20.4	22.5	19.1	15.4	17.3
14	19.8	16.7	18.0	22.1	20.0	21.0	22.8	20.6	21.7	19.5	16.5	17.7
15	16.7	15.4	16.0	22.3	18.5	20.3	25.5	19.5	21.9	19.1	17.9	18.4
16	15.4	14.2	14.8	24.5	19.4	21.8	25.1	18.9	21.6	20.6	17.5	18.8
17	14.2	13.1	13.7	26.3	20.7	23.3	24.2	18.9	21.0	18.9	16.1	17.4
18	13.3	12.7	13.0	26.1	23.5	24.5	21.9	16.2	18.7	16.8	16.1	16.4
19	15.9	12.2	14.0	29.1	23.8	25.9	22.0	14.4	18.0	17.9	15.5	16.7
20	18.8	14.2	16.4	28.1	24.2	26.1	20.0	16.9	18.5	16.4	15.1	15.9
21	21.7	16.8	19.1	27.2	22.9	25.1	20.0	18.3	19.0	17.1	14.9	15.9
22	21.2	18.1	19.8	27.6	22.4	25.0	22.5	17.5	19.7	15.3	14.1	14.6
23	21.4	16.4	18.9	26.7	22.0	24.4	22.8	17.7	20.0	16.5	14.8	15.4
24	20.8	17.6	19.4	25.3	21.6	23.3	21.2	18.8	19.7	15.8	12.7	14.2
25	24.6	18.8	21.6	22.1	20.1	20.7	22.8	17.2	19.5	14.7	11.4	13.3
26	25.9	21.4	23.5	24.6	19.4	22.1	24.3	16.3	19.7	15.0	13.7	14.3
27	26.1	20.8	23.5	23.7	21.9	22.9	24.3	16.5	20.1	15.5	14.0	14.7
28	27.4	22.3	24.6	24.5	19.6	21.9	21.2	17.9	19.7	15.6	12.8	14.2
29	28.0	23.9	25.6	24.6	18.6	21.6	20.7	19.4	20.1	15.3	13.4	14.3
30	25.6	22.7	23.9	23.1	19.2	21.3	20.7	19.5	20.1	13.6	12.0	12.8
31	---	---	---	23.7	17.8	20.7	20.7	20.2	20.5	---	---	---
MONTH	28.0	12.2	19.1	29.1	17.4	22.4	28.3	14.4	21.0	21.9	11.4	17.0
PERIOD	29.1	11.4	19.9									

01018000 MEDUXNEKEAG RIVER NEAR HOULTON, ME—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	9.8	8.0	8.7	9.7	7.9	8.8	8.7	8.2	8.4
2	9.9	8.7	9.4	9.8	8.2	8.9	9.6	7.8	8.7	8.7	8.4	8.5
3	9.6	8.4	9.0	10.2	8.3	9.2	9.2	7.8	8.6	8.9	8.4	8.7
4	9.3	8.2	8.8	10.1	8.0	9.1	9.5	7.8	8.7	9.3	8.7	9.0
5	9.6	8.3	8.8	10.8	8.0	9.3	9.6	7.8	8.6	9.8	8.8	9.3
6	9.9	8.7	9.3	10.8	8.0	9.2	9.5	7.8	8.6	10.1	8.6	9.4
7	10.0	8.8	9.4	11.0	8.5	9.8	9.7	7.6	8.6	9.9	8.2	9.1
8	9.7	8.9	9.3	11.0	8.0	9.7	9.1	7.1	8.1	10.1	8.2	9.0
9	10.2	8.7	9.4	10.9	8.0	9.4	9.0	6.8	7.9	10.2	8.2	9.2
10	9.5	8.2	8.9	11.6	8.4	9.8	9.1	6.8	7.8	10.7	8.7	9.7
11	9.2	7.9	8.6	11.0	8.2	9.5	9.0	7.2	8.0	11.0	9.1	10.0
12	9.0	7.9	8.4	11.2	8.2	9.5	9.4	7.3	8.3	10.3	8.7	9.4
13	8.0	7.7	7.9	11.3	8.1	9.5	9.7	7.3	8.3	10.7	8.7	9.5
14	8.4	7.6	8.0	9.5	7.9	8.7	9.8	7.5	8.5	10.6	8.5	9.3
15	9.2	8.4	8.9	9.2	8.0	8.6	10.0	7.7	8.7	9.8	8.4	8.9
16	9.6	9.1	9.4	9.3	7.7	8.6	10.1	7.6	8.7	10.0	8.4	9.1
17	9.9	9.5	9.7	9.3	7.1	8.3	10.1	7.6	8.7	9.6	8.4	9.0
18	10.3	9.9	10.1	9.3	7.0	7.8	11.0	7.9	9.4	9.6	9.0	9.3
19	10.5	9.8	10.2	9.1	6.6	7.7	11.3	8.1	9.5	9.8	9.2	9.4
20	10.0	9.1	9.7	8.7	6.6	7.6	11.3	8.1	9.3	10.1	9.3	9.6
21	9.3	8.2	8.9	8.9	6.9	7.9	10.0	7.9	8.8	10.1	9.3	9.6
22	9.1	8.2	8.6	8.9	6.8	7.9	10.7	8.0	9.0	10.3	9.6	9.9
23	---	---	---	8.8	7.0	7.9	10.3	8.0	8.9	10.4	9.5	9.8
24	9.9	8.8	9.3	8.8	7.6	8.3	10.8	8.0	9.1	10.9	9.7	10.3
25	9.6	8.0	8.9	8.9	8.0	8.5	10.6	8.2	9.2	11.5	9.9	10.7
26	9.2	7.9	8.5	9.3	7.5	8.5	10.6	7.7	9.1	10.5	9.6	10
27	9.4	7.8	8.6	9.0	7.5	8.2	10.8	7.5	9.0	10.5	9.6	10
28	9.3	7.5	8.4	9.5	7.7	8.6	10.8	7.5	8.9	10.7	9.9	10.3
29	9.1	7.4	8.2	9.5	7.6	8.7	9.8	7.6	8.5	10.8	9.8	10.2
30	9.5	7.4	8.5	9.9	7.6	8.8	9.5	7.9	8.6	11.1	10.0	10.6
31	---	---	---	9.9	7.9	8.9	8.8	8.2	8.5	---	---	---
MONTH	10.5	7.4	9.0	11.6	6.6	8.7	11.3	6.8	8.7	11.5	8.2	9.5
PERIOD	11.6	6.6	9.0									

01018035 MEDUXNEKEAG RIVER AT LOWERY ROAD NEAR HOULTON, ME

LOCATION.--Lat 46° 10'52", long 67° 48'16", Aroostook County, Hydrologic Unit 01010005, on left bank at downstream side of Lowery Road bridge and 4.6 mi upstream of the International Border with Canada.

DRAINAGE AREA.--257 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--
DISCHARGE: July 2005 to September 2005.

GAGE.--Water-stage recorder. Datum of gage is 290 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good, including periods of no gage-height record, July 22-27 and July 29 to Aug. 2. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sept. 1	2115	*1,010	*4.23

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No peaks greater than base discharge.			

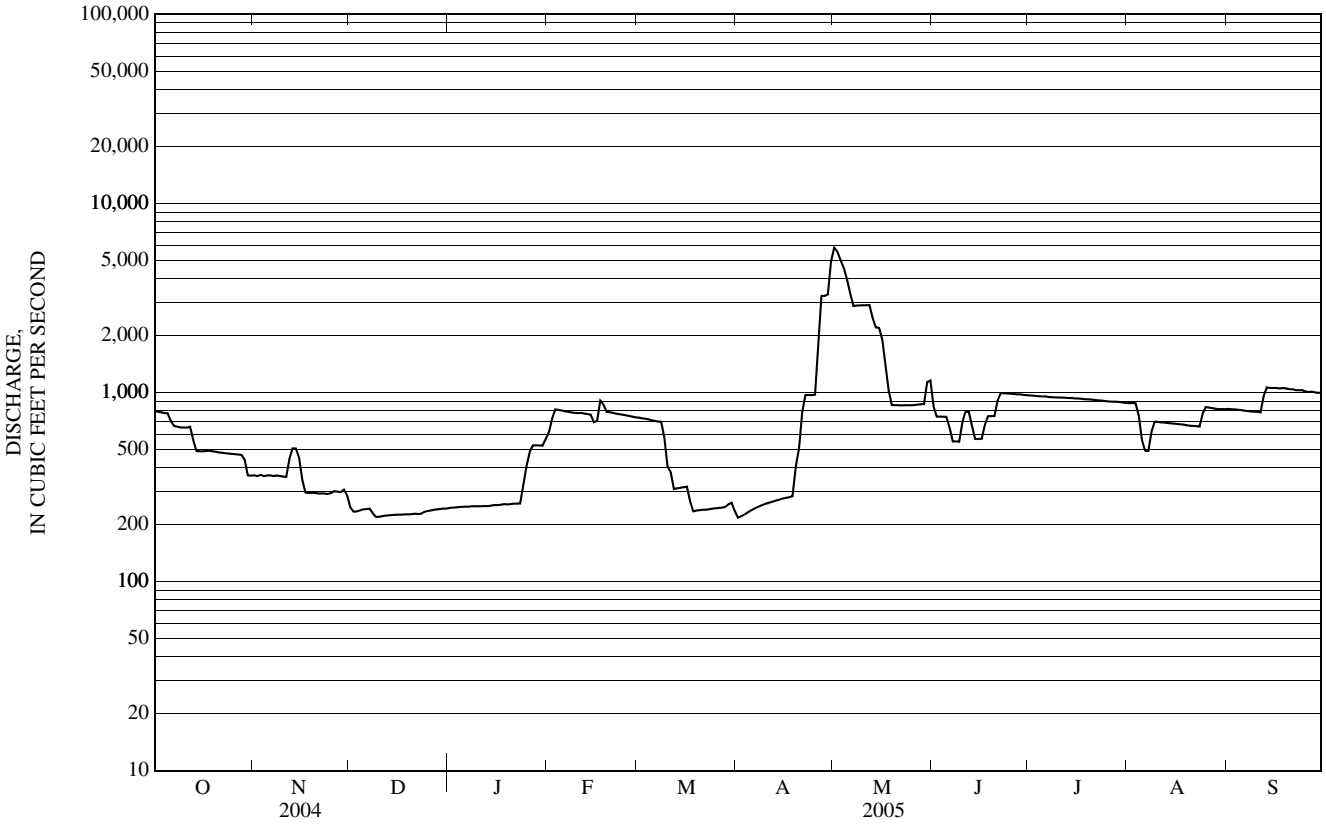
Minimum discharge, 16 ft^3/s, Aug. 20, gage height, 1.70 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	146	e63	824
2	---	---	---	---	---	---	---	---	---	134	e96	824
3	---	---	---	---	---	---	---	---	---	119	120	512
4	---	---	---	---	---	---	---	---	---	106	109	314
5	---	---	---	---	---	---	---	---	---	92	90	210
6	---	---	---	---	---	---	---	---	---	104	76	155
7	---	---	---	---	---	---	---	---	---	108	66	123
8	---	---	---	---	---	---	---	---	---	94	74	100
9	---	---	---	---	---	---	---	---	---	84	58	103
10	---	---	---	---	---	---	---	---	---	97	48	98
11	---	---	---	---	---	---	---	---	---	116	57	83
12	---	---	---	---	---	---	---	---	---	115	46	72
13	---	---	---	---	---	---	---	---	---	109	42	64
14	---	---	---	---	---	---	---	---	---	135	39	57
15	---	---	---	---	---	---	---	---	---	463	37	55
16	---	---	---	---	---	---	---	---	---	279	32	60
17	---	---	---	---	---	---	---	---	---	173	29	136
18	---	---	---	---	---	---	---	---	---	129	23	537
19	---	---	---	---	---	---	---	---	---	110	20	473
20	---	---	---	---	---	---	---	---	---	127	18	333
21	---	---	---	---	---	---	---	---	---	131	21	249
22	---	---	---	---	---	---	---	---	---	e106	27	193
23	---	---	---	---	---	---	---	---	---	e186	30	168
24	---	---	---	---	---	---	---	---	---	e220	32	157
25	---	---	---	---	---	---	---	---	---	e168	32	134
26	---	---	---	---	---	---	---	---	---	e140	28	133
27	---	---	---	---	---	---	---	---	---	e120	23	288
28	---	---	---	---	---	---	---	---	---	112	19	328
29	---	---	---	---	---	---	---	---	---	e96	20	266
30	---	---	---	---	---	---	---	---	---	e75	209	357
31	---	---	---	---	---	---	---	---	---	e59	477	---
TOTAL	---	---	---	---	---	---	---	---	---	4,253	2,061	7,406
MEAN	---	---	---	---	---	---	---	---	---	137	66.5	247
MAX	---	---	---	---	---	---	---	---	---			

01018500 ST. CROIX RIVER AT VANCEBORO, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	226,879		276,811			
ANNUAL MEAN	620		758		716	
HIGHEST ANNUAL MEAN					1,203	1960
LOWEST ANNUAL MEAN					335	1985
HIGHEST DAILY MEAN	2,010	Jan 8	5,840	May 1	6,210	Jun 3, 1984
LOWEST DAILY MEAN	213	May 9	218	Apr 1	1.9	Oct 12, 1936
ANNUAL SEVEN-DAY MINIMUM	215	Apr 24	223	Dec 9	2.0	Oct 11, 1936
MAXIMUM PEAK FLOW			6,150	Apr 30	6,730	Jun 3, 1984
MAXIMUM PEAK STAGE			10.71	Apr 30	11.28	Jun 3, 1984
10 PERCENT EXCEEDS	1,580		1,030		1,360	
50 PERCENT EXCEEDS	444		685		592	
90 PERCENT EXCEEDS	230		241		226	



01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME

LOCATION.--Lat 45° 10'21", long 67° 46'08", 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 mi^2.

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.--Records good, including periods of ice effect, Dec. 17-18, 20-21, Dec. 27 to Jan. 3, Jan. 6, 11-12, 15, 18-22, 24, 27-29, Feb. 10-11, and period of no gage-height record, June 7-8. Flow completely regulated by Grand Lake, 0.8 mi upstream, and other lakes, combined usable capacity about 8.25 billion ft^3. Telephone and satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,930 ft^3/s, May 27, 2005, gage height, 6.61 ft; maximum gage height, 6.69 ft, Apr. 25, 1983; minimum daily discharge, 5 ft^3/s, Dec. 3-6, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,930 ft^3/s, May 27, gage height, 6.61 ft; minimum daily discharge, 110 ft^3/s, Dec. 22.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	212	122	131	e115	124	323	335	2,390	1,730	540	497	415
2	212	121	134	e115	124	324	338	2,360	1,120	540	499	413
3	212	124	130	e115	122	323	347	2,330	920	535	498	412
4	211	123	126	115	120	322	353	1,990	813	533	492	411
5	211	126	127	116	119	322	346	1,540	643	533	491	408
6	210	125	127	e116	119	323	336	1,330	555	529	489	523
7	209	124	127	116	119	321	339	1,330	e555	527	486	610
8	277	124	128	116	119	328	341	1,470	e555	529	482	607
9	357	123	128	116	119	288	343	1,630	555	530	480	606
10	355	123	128	117	e119	174	345	1,370	554	528	478	604
11	356	122	130	e117	e120	174	346	1,120	553	528	476	597
12	361	122	129	e117	120	175	348	1,130	554	524	472	592
13	355	122	117	118	121	174	350	936	558	522	470	587
14	349	122	111	121	120	174	351	707	565	520	467	582
15	347	121	111	e120	122	238	353	707	568	519	430	580
16	350	121	111	119	157	310	354	710	568	514	404	577
17	351	120	e111	119	264	310	355	710	570	512	404	578
18	303	120	e111	e119	326	310	356	569	570	508	401	577
19	204	120	111	e120	324	309	357	491	570	506	395	575
20	150	120	e111	e122	324	310	358	491	568	504	391	571
21	149	120	e111	e123	324	310	364	489	565	501	390	468
22	149	119	110	e124	324	311	362	489	564	498	389	399
23	149	120	111	125	323	311	363	497	562	499	385	397
24	149	119	120	e125	322	312	475	758	557	496	379	395
25	135	122	115	125	322	311	853	1,030	552	495	378	390
26	118	123	114	124	322	312	1,090	1,130	551	498	376	388
27	120	122	e114	e124	321	313	1,490	2,030	548	502	375	389
28	120	122	e114	e124	322	316	1,600	2,890	547	506	373	385
29	119	130	e114	e124	---	335	1,620	2,830	544	500	396	381
30	119	127	e114	124	---	334	2,010	2,790	542	498	414	384
31	120	---	e115	124	---	334	---	2,430	---	492	413	---
TOTAL	7,039	3,669	3,691	3,715	5,782	9,031	17,178	42,674	19,176	15,966	13,470	14,801
MEAN	227	122	119	120	206	291	573	1,377	639	515	435	493
MAX	361	130	134	125	326	335	2,010	2,890	1,730	540	499	610
MIN	118	119	110	115	119	174	335	489	542	492	373	381

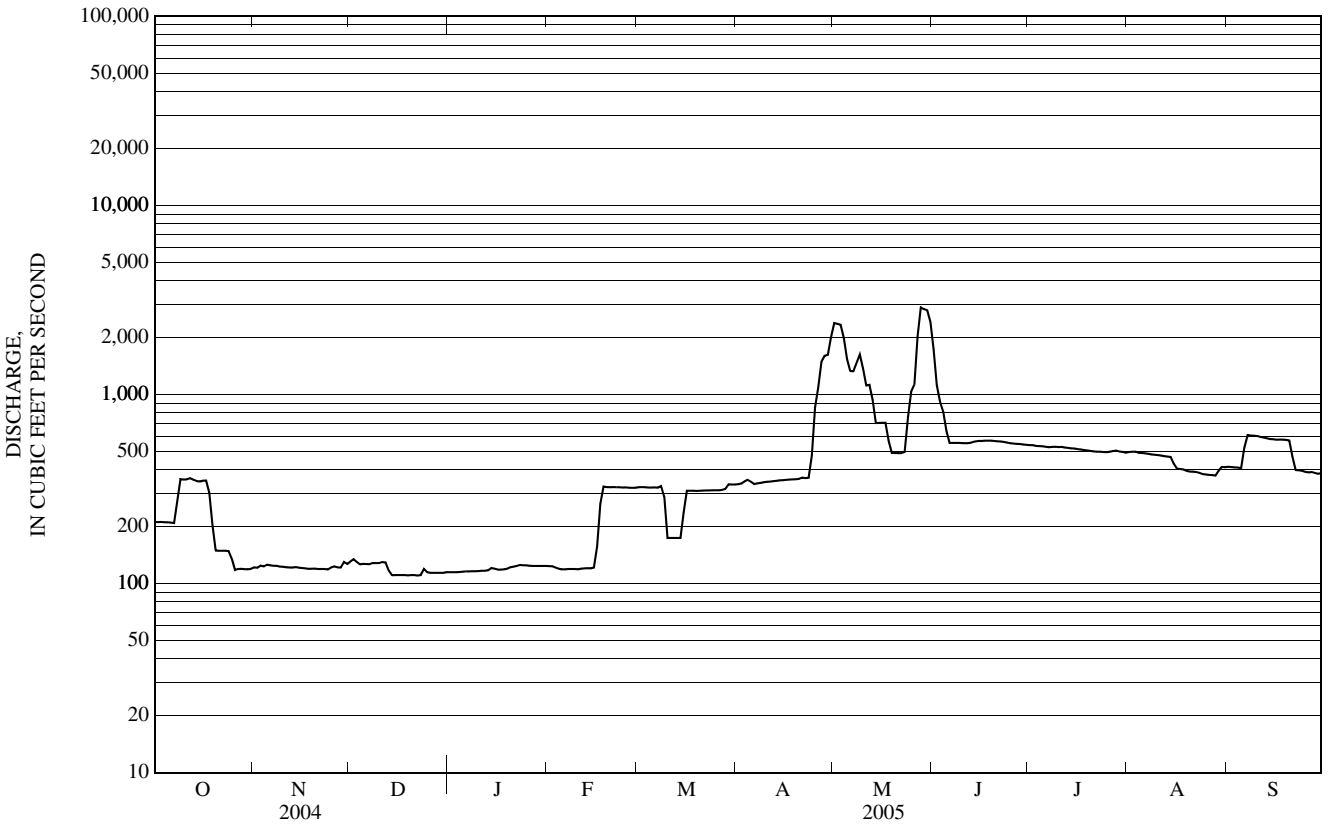
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	340	208	243	364	474	457	337	411	447	421	468	450
MAX	890	666	1,261	1,096	1,330	1,117	1,248	1,377	1,159	843	1,173	933
(WY)	(1948)	(1982)	(1960)	(1970)	(1964)	(1960)	(1936)	(2005)	(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)

e Estimated

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

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	133,850		156,192			
ANNUAL MEAN	366		428		386	
HIGHEST ANNUAL MEAN					697	1960
LOWEST ANNUAL MEAN					178	1931
HIGHEST DAILY MEAN	1,470	Jan 3	2,890	May 28	2,890	May 28, 2005
LOWEST DAILY MEAN	110	Dec 22	110	Dec 22	5.0	Dec 3, 1945
ANNUAL SEVEN-DAY MINIMUM	111	Dec 16	111	Dec 16	6.4	Dec 1, 1945
MAXIMUM PEAK FLOW			2,930	May 27	2,930	May 27, 2005
MAXIMUM PEAK STAGE			6.61	May 27	6.69	Apr 25, 1983
10 PERCENT EXCEEDS	661		623		805	
50 PERCENT EXCEEDS	275		347		291	
90 PERCENT EXCEEDS	122		119		120	



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

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

DRAINAGE AREA.--1,374 mi^2.

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, except for periods of ice effect, Dec. 18-21, Dec. 28 to Jan. 2, Jan. 12, Jan. 18 to Feb. 3, Feb. 20-21, 24-25, 27-28, and period of no gage-height record, May 2-3, which are fair. Flow regulated by Chiputneticook Lakes, Grand Lake, and other lakes, combined capacity 25 billion ft^3. 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 ft^3/s, May 29, 1961, gage height, 12.76 ft; minimum daily discharge, 262 ft^3/s, Oct. 20, 1964.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 1, 1923 has been estimated as 24,100 ft^3/s at Baring, based on flows for the St. Croix River near Baileyville (station 01020000); gage height unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,900 ft^3/s, Apr. 30, gage height, 11.38 ft; minimum daily discharge, 784 ft^3/s, Nov. 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,310	859	3,490	e1,470	e1,910	1,790	11,300	15,400	5,820	2,090	2,040	2,460
2	1,320	1,050	6,040	e1,500	e1,440	1,930	10,600	e15,200	5,950	2,040	3,160	2,380
3	1,150	1,070	5,380	1,520	e1,150	1,910	9,480	e14,700	5,330	1,950	3,610	2,210
4	944	1,210	4,270	1,420	1,070	1,920	9,670	13,900	4,750	1,690	3,260	2,140
5	964	1,270	4,440	1,290	973	1,860	10,200	12,700	4,080	1,910	3,120	1,880
6	960	1,180	3,740	1,160	942	1,720	10,700	11,400	3,400	1,990	2,820	1,810
7	1,020	1,100	2,470	1,170	954	2,110	9,370	10,200	2,900	1,310	2,710	1,660
8	990	890	2,050	1,160	947	1,950	8,300	10,100	3,330	1,570	2,080	1,520
9	969	1,820	1,940	1,160	1,600	3,920	7,610	9,810	3,140	1,580	2,050	1,700
10	882	1,910	2,110	1,390	1,510	3,910	6,420	9,350	3,030	1,630	1,930	1,880
11	1,020	2,180	1,880	1,200	1,150	3,040	5,780	9,230	2,850	1,590	1,500	2,420
12	1,070	1,930	1,950	e1,230	1,560	3,390	5,270	8,290	2,850	1,810	1,470	2,370
13	1,490	863	2,040	1,450	1,650	3,380	4,720	6,450	2,760	1,880	1,270	1,570
14	1,450	807	2,470	2,500	1,540	3,400	4,050	5,670	2,610	1,950	1,640	1,450
15	980	810	1,810	2,920	1,150	3,390	3,340	5,600	2,500	2,150	1,960	1,540
16	955	806	1,560	3,040	1,110	3,470	3,180	4,730	2,180	1,620	1,410	1,610
17	975	869	1,590	2,760	1,620	3,540	3,090	4,020	2,130	1,720	2,040	2,030
18	1,190	877	e1,370	e1,230	1,670	3,470	3,090	4,060	2,340	1,930	1,540	2,460
19	1,240	825	e1,280	e1,060	1,720	2,870	2,690	3,960	2,240	1,860	1,320	2,190
20	1,030	785	e1,200	e1,090	e1,740	3,200	2,830	3,240	2,530	1,940	1,380	2,030
21	892	784	e1,250	e1,300	e2,070	3,150	3,120	3,140	2,670	1,520	1,370	1,680
22	885	1,460	1,700	e1,310	1,990	3,000	3,290	3,140	2,710	1,780	1,320	1,680
23	867	1,050	1,760	e1,470	1,580	3,010	3,050	3,370	2,360	2,100	1,520	1,710
24	932	843	3,350	e1,640	e1,730	3,010	3,630	5,040	2,000	1,950	1,460	1,640
25	1,180	926	3,350	e1,280	e1,990	3,100	4,800	5,640	2,000	1,800	1,450	1,600
26	2,200	1,240	3,110	e1,400	1,730	3,130	7,150	5,620	1,880	1,810	1,570	1,840
27	1,710	1,200	2,390	e1,720	e1,700	3,130	9,150	7,910	2,130	1,950	1,580	2,010
28	1,070	1,180	e2,250	e1,810	e1,790	3,140	9,040	7,210	2,120	2,050	1,320	1,660
29	900	2,190	e2,160	e1,170	---	5,580	9,940	6,320	1,930	2,120	1,470	1,430
30	844	2,330	e2,100	e1,210	---	8,280	13,900	6,690	1,950	2,000	1,690	1,520
31	840	---	e1,740	e1,080	---	10,700	---	6,120	---	1,970	1,960	---
TOTAL	34,229	36,314	78,240	47,110	41,986	105,400	198,760	238,210	88,470	57,260	59,020	56,080
MEAN	1,104	1,210	2,524	1,520	1,500	3,400	6,625	7,684	2,949	1,847	1,904	1,869
MAX	2,200	2,330	6,040	3,040	2,070	10,700	13,900	15,400	5,950	2,150	3,610	2,460
MIN	840	784	1,200	1,060	942	1,720	2,690	3,140	1,880	1,310	1,270	1,430

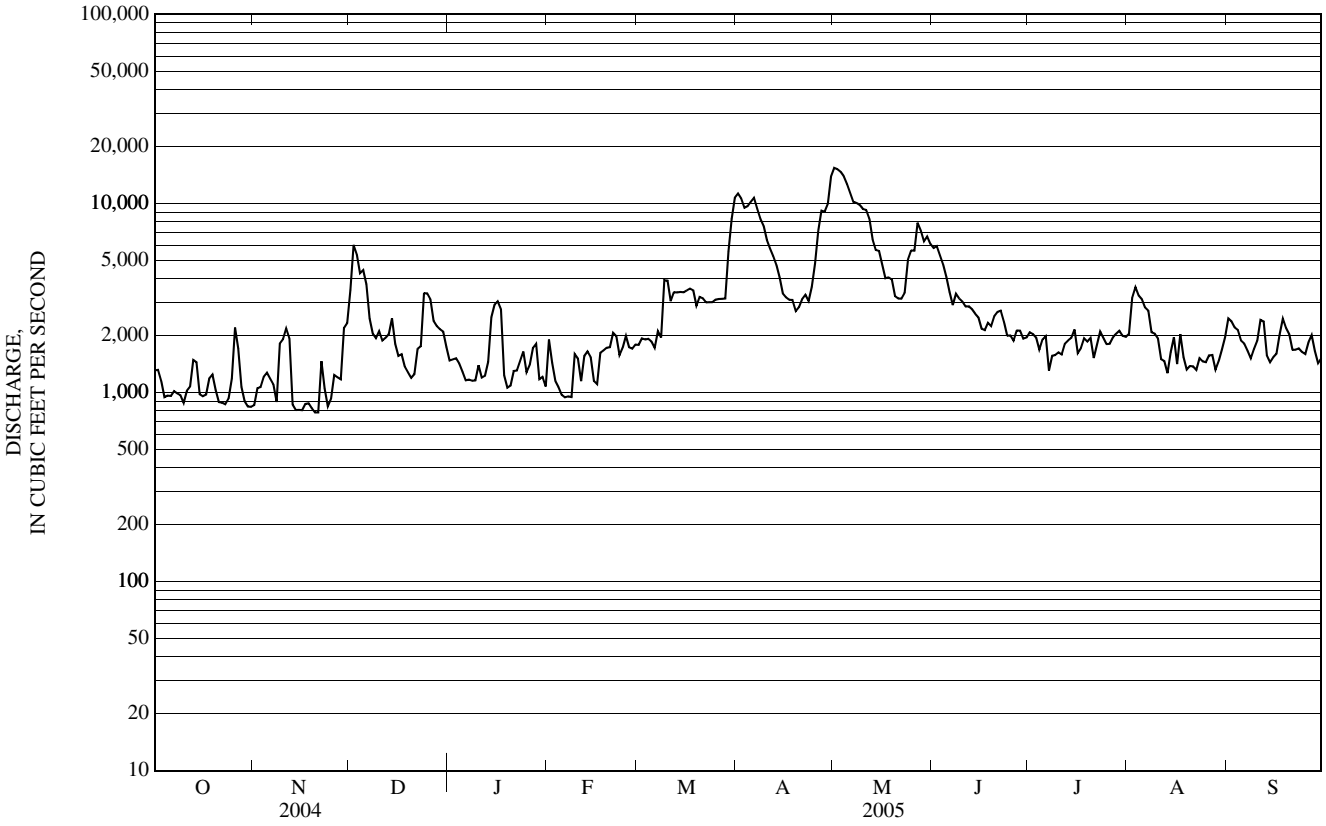
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2005, BY WATER YEAR (WY)

MEAN	1,804	2,264	2,697	2,312	2,602	3,063	5,238	3,729	2,299	1,687	1,593	1,652
MAX	3,865	5,679	8,397	5,303	6,031	8,009	9,438	7,684	6,054	5,042	2,987	3,269
(WY)	(1982)	(1964)	(1960)	(1978)	(1978)	(1998)	(1976)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1960 - 2005	
ANNUAL TOTAL	722,961		1,041,079			
ANNUAL MEAN	1,975		2,852		2,575	
HIGHEST ANNUAL MEAN					3,863	1960
LOWEST ANNUAL MEAN					1,280	1985
HIGHEST DAILY MEAN	6,570	Apr 16	15,400	May 1	23,200	May 29, 1961
LOWEST DAILY MEAN	759	Jul 26	784	Nov 21	262	Oct 20, 1964
ANNUAL SEVEN-DAY MINIMUM	822	Nov 15	822	Nov 15	327	Nov 6, 1964
MAXIMUM PEAK FLOW			15,900	Apr 30	23,500	May 29, 1961
MAXIMUM PEAK STAGE			11.38	Apr 30	12.76	May 29, 1961
10 PERCENT EXCEEDS	3,630		5,990		4,800	
50 PERCENT EXCEEDS	1,670		1,930		2,090	
90 PERCENT EXCEEDS	887		1,040		951	



01021050 ST. CROIX RIVER AT MILLTOWN, ME

LOCATION.--Lat 45° 10'12", long 67° 17'48", Washington County, Hydrologic Unit 01050001, on right bank 30 ft downstream from international highway bridge at Milltown.

DRAINAGE AREA.--1,455 mi^2.

PERIOD OF RECORD.--Water years 1969 to 1994, June 1996 to current year.
CHEMICAL ANALYSES: Water years 1969 to August 1994 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1972 to September 1994. Seasonal records (June to September) water years 1996 to current year.
pH: July 1972 to September 1994. Seasonal records (June to September) water years 1996 to current year.
WATER TEMPERATURE: September 1969 to September 1994. Seasonal records (June to September) water years 1996 to current year.
DISSOLVED OXYGEN: September 1969 to September 1994. Seasonal records (June to September) water years 1996 to current year.

REVISED RECORDS.--WDR ME-96-1: Drainage area.

INSTRUMENTATION.--In-situ monitor located 70 ft streamward from gage, and 1.5 ft above river bed.

REMARKS.--Monitor not operated during period October to May. Records good, except for the periods June 15-22 and Aug. 11-17, which are fair for dissolved oxygen.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 375 microsiemens/cm, Mar. 6, 1989; minimum, 23 microsiemens/cm, May 2-4, 6, 1979.
pH: Maximum, 11.6 units, Sept. 28, 1974; minimum, 5.3 units, Oct. 18, 1973.
WATER TEMPERATURE: Maximum, 28.4° C, July 4, 2002; minimum, 0.0° C, on many days during winter periods.
DISSOLVED OXYGEN: Maximum, 14.4 mg/L, Nov. 16, 1976; minimum, 0.5 mg/L, Aug. 19, 1975, Aug. 28, 1980.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 135 microsiemens/cm, Aug. 14; minimum, 32 microsiemens/cm, Sept. 15-17.
pH: Maximum, 7.1 standard units, on several days; minimum, 6.4 standard units, Aug. 4.
WATER TEMPERATURE: Maximum, 27.4° C, July 22, 23; minimum, 12.2° C, June 1.
DISSOLVED OXYGEN: Maximum, 10.5 mg/L, Jun. 1; minimum, 6.1 mg/L, Aug. 14-15.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	44	42	44	76	72	74	84	75	78	83	76	78
2	43	41	42	73	71	72	85	55	73	76	65	68
3	44	43	44	75	72	73	61	55	58	73	66	70
4	48	44	46	87	73	77	63	57	60	70	66	69
5	51	48	49	88	74	78	66	59	63	73	67	71
6	55	51	53	85	74	82	74	64	71	76	72	74
7	61	55	58	89	81	83	77	70	74	79	73	75
8	58	54	55	98	87	94	86	72	77	81	75	79
9	54	53	53	97	90	92	102	86	95	87	78	83
10	55	53	54	98	92	94	101	88	93	81	77	80
11	57	54	56	98	92	95	117	89	104	81	62	71
12	58	56	57	100	92	96	129	110	119	63	54	58
13	59	57	58	92	85	88	128	109	120	54	49	50
14	60	57	59	91	87	89	135	110	123	50	34	42
15	60	58	59	92	84	88	122	94	108	34	32	33
16	63	58	61	99	83	86	110	93	98	32	32	32
17	67	63	65	103	87	96	121	82	107	73	32	57
18	67	62	65	102	90	95	98	81	89	73	64	66
19	63	61	63	98	86	90	104	93	100	69	64	66
20	62	60	62	96	86	92	115	102	110	75	69	72
21	60	56	57	92	87	90	113	109	111	95	75	88
22	59	57	58	116	87	104	116	109	112	97	89	94
23	60	57	59	103	87	96	114	108	111	90	86	88
24	67	60	64	97	87	93	111	104	107	91	86	89
25	68	65	67	93	83	88	104	95	99	95	87	92
26	75	67	71	106	83	94	113	89	99	100	91	96
27	76	70	73	99	79	87	91	80	85	94	85	88
28	76	70	72	86	74	80	91	81	86	94	86	91
29	74	70	72	79	66	69	100	91	96	102	90	96
30	77	71	74	71	65	67	98	90	93	107	102	105
31	---	---	---	78	71	73	93	83	90	---	---	---
MONTH	77	41	59	116	65	86	135	55	94	107	32	74
PERIOD	135	32	78									

01021050 ST. CROIX RIVER AT MILLTOWN, ME—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.7	6.6	6.7	6.8	6.7	6.8	6.7	6.6	6.7	6.8	6.7	6.8
2	6.7	6.6	6.7	6.8	6.7	6.8	6.7	6.6	6.7	6.8	6.7	6.7
3	6.7	6.6	6.7	6.8	6.7	6.8	6.6	6.5	6.6	6.8	6.7	6.8
4	6.7	6.6	6.7	6.9	6.7	6.8	6.6	6.4	6.5	6.8	6.7	6.8
5	6.7	6.7	6.7	6.9	6.7	6.8	6.6	6.5	6.5	6.9	6.8	6.8
6	6.7	6.7	6.7	6.8	6.7	6.8	6.6	6.5	6.6	6.9	6.8	6.8
7	6.8	6.6	6.7	6.8	6.8	6.8	6.7	6.6	6.6	6.9	6.8	6.8
8	6.8	6.7	6.7	6.9	6.8	6.8	6.6	6.5	6.6	6.9	6.8	6.8
9	6.7	6.7	6.7	6.9	6.8	6.8	6.7	6.6	6.6	6.9	6.8	6.8
10	6.7	6.6	6.7	6.8	6.8	6.8	6.7	6.6	6.7	6.9	6.8	6.8
11	6.7	6.6	6.7	6.8	6.8	6.8	6.7	6.6	6.7	6.9	6.8	6.8
12	6.7	6.7	6.7	6.8	6.8	6.8	6.8	6.7	6.8	6.9	6.7	6.8
13	6.7	6.6	6.7	6.8	6.8	6.8	6.8	6.7	6.8	6.9	6.7	6.8
14	6.7	6.6	6.7	6.8	6.7	6.8	6.8	6.7	6.8	6.9	6.8	6.8
15	6.7	6.7	6.7	6.9	6.8	6.8	6.8	6.7	6.7	6.8	6.7	6.7
16	6.8	6.7	6.7	6.9	6.8	6.8	6.8	6.7	6.7	6.8	6.7	6.7
17	6.8	6.7	6.7	6.9	6.8	6.8	6.8	6.7	6.8	6.9	6.8	6.8
18	6.8	6.7	6.8	6.9	6.8	6.8	6.8	6.7	6.8	6.9	6.8	6.9
19	6.8	6.7	6.8	6.9	6.8	6.8	6.9	6.8	6.8	6.9	6.8	6.9
20	6.8	6.7	6.8	6.9	6.7	6.8	6.9	6.8	6.9	6.9	6.8	6.9
21	6.8	6.7	6.8	6.8	6.7	6.7	6.9	6.8	6.9	7.1	6.9	7.0
22	6.8	6.7	6.8	6.8	6.7	6.8	6.9	6.8	6.8	7.1	7.0	7.0
23	6.8	6.7	6.8	6.8	6.7	6.8	6.9	6.8	6.9	7.1	7.0	7.0
24	6.8	6.8	6.8	6.9	6.7	6.8	6.9	6.8	6.9	7.1	7.0	7.0
25	6.9	6.8	6.8	6.8	6.7	6.7	6.9	6.8	6.9	7.1	7.1	7.1
26	6.9	6.7	6.8	6.8	6.7	6.7	6.9	6.8	6.9	7.1	7.0	7.1
27	6.9	6.7	6.8	6.8	6.6	6.7	6.9	6.8	6.8	7.1	7.0	7.0
28	6.9	6.7	6.8	6.8	6.6	6.7	6.9	6.8	6.9	7.0	7.0	7.0
29	6.8	6.7	6.8	6.7	6.6	6.6	6.9	6.8	6.8	7.1	7.0	7.0
30	6.8	6.7	6.8	6.7	6.5	6.6	6.8	6.8	6.8	7.1	7.0	7.1
31	---	---	---	6.7	6.6	6.6	6.8	6.7	6.8	---	---	---
MONTH	6.9	6.6	6.7	6.9	6.5	6.8	6.9	6.4	6.8	7.1	6.7	6.9
PERIOD	7.1	6.4	6.8									

01021050 ST. CROIX RIVER AT MILLTOWN, ME—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.9	12.2	13.4	23.4	22.2	22.6	25.0	22.7	23.4	23.2	21.9	22.4
2	16.4	13.0	14.6	23.9	22.0	22.8	24.1	22.6	23.2	23.6	21.7	22.7
3	17.1	14.4	15.8	24.6	22.2	23.4	23.7	22.2	23.0	23.6	21.8	22.7
4	19.0	15.6	17.2	24.6	23.0	23.8	24.1	21.7	22.9	22.9	21.7	22.3
5	19.1	17.2	18.0	24.4	22.1	23.3	23.6	22.0	22.5	22.6	21.3	22.0
6	18.6	16.5	17.4	23.9	21.6	22.6	23.9	21.9	22.8	22.6	21.3	22.0
7	19.6	16.1	17.5	22.6	21.1	21.8	24.2	21.9	23.1	22.8	21.7	22.3
8	19.5	17.5	18.6	23.4	22.5	22.8	24.9	22.2	23.5	23.1	22.1	22.6
9	20.3	18.0	19.1	23.4	21.0	22.2	25.4	23.7	24.6	23.1	21.9	22.4
10	20.9	18.6	19.7	21.5	20.5	20.9	25.5	23.5	24.6	22.2	20.8	21.3
11	21.2	19.5	20.3	23.1	21.5	22.2	25.5	24.5	24.9	21.2	19.9	20.6
12	21.1	19.8	20.5	23.0	22.0	22.6	25.1	24.2	24.6	21.5	19.9	20.8
13	22.7	20.3	21.4	22.9	22.2	22.6	25.1	24.4	24.7	21.4	20.1	20.6
14	22.4	19.5	20.6	22.6	21.0	21.5	24.9	24.4	24.7	20.5	19.7	20.1
15	19.5	18.7	19.0	23.6	21.3	22.2	25.2	24.0	24.6	19.8	19.7	19.8
16	18.7	17.9	18.1	24.6	22.4	23.3	25.0	24.2	24.6	20.8	19.7	20.2
17	18.1	17.4	17.6	25.0	23.5	24.3	24.7	23.4	24.2	20.8	19.0	20.0
18	17.4	16.8	17.1	25.1	23.2	24.0	24.0	22.7	23.2	19.4	18.8	19.1
19	18.5	16.5	17.4	25.6	23.3	24.3	23.4	22.8	23.1	20.4	18.9	19.6
20	20.1	17.2	18.5	26.7	24.6	25.6	23.4	22.2	22.8	20.3	18.9	19.2
21	20.8	17.4	19.1	26.7	25.5	26.2	22.2	22.1	22.1	19.4	18.6	19.1
22	20.6	18.4	19.2	27.4	26.2	26.7	23.9	22.0	22.8	19.3	18.6	18.9
23	21.1	18.3	19.6	27.4	25.6	26.4	23.9	23.0	23.5	19.1	18.6	18.9
24	21.0	19.3	20.2	26.4	24.7	25.5	23.5	22.7	23.0	18.7	17.5	17.9
25	23.4	19.7	21.3	25.5	23.3	24.1	22.9	22.6	22.7	17.8	17.0	17.3
26	23.8	22.0	23.0	25.8	23.2	24.2	23.4	22.2	22.7	17.7	17.3	17.5
27	23.7	21.7	22.6	25.8	24.3	25.0	23.6	22.6	23.1	17.9	17.4	17.7
28	24.2	21.3	22.6	25.2	23.8	24.6	23.6	22.9	23.3	17.5	16.5	17.1
29	25.4	22.9	24.0	25.3	23.4	24.4	23.3	22.3	22.8	17.4	16.8	17.1
30	25.4	23.4	24.1	25.3	23.5	24.4	22.3	22.0	22.1	16.9	15.8	16.2
31	---	---	---	25.0	23.4	24.3	22.1	21.8	21.9	---	---	---
MONTH	25.4	12.2	19.2	27.4	20.5	23.7	25.5	21.7	23.4	23.6	15.8	20.0
PERIOD	27.4	12.2	21.6									

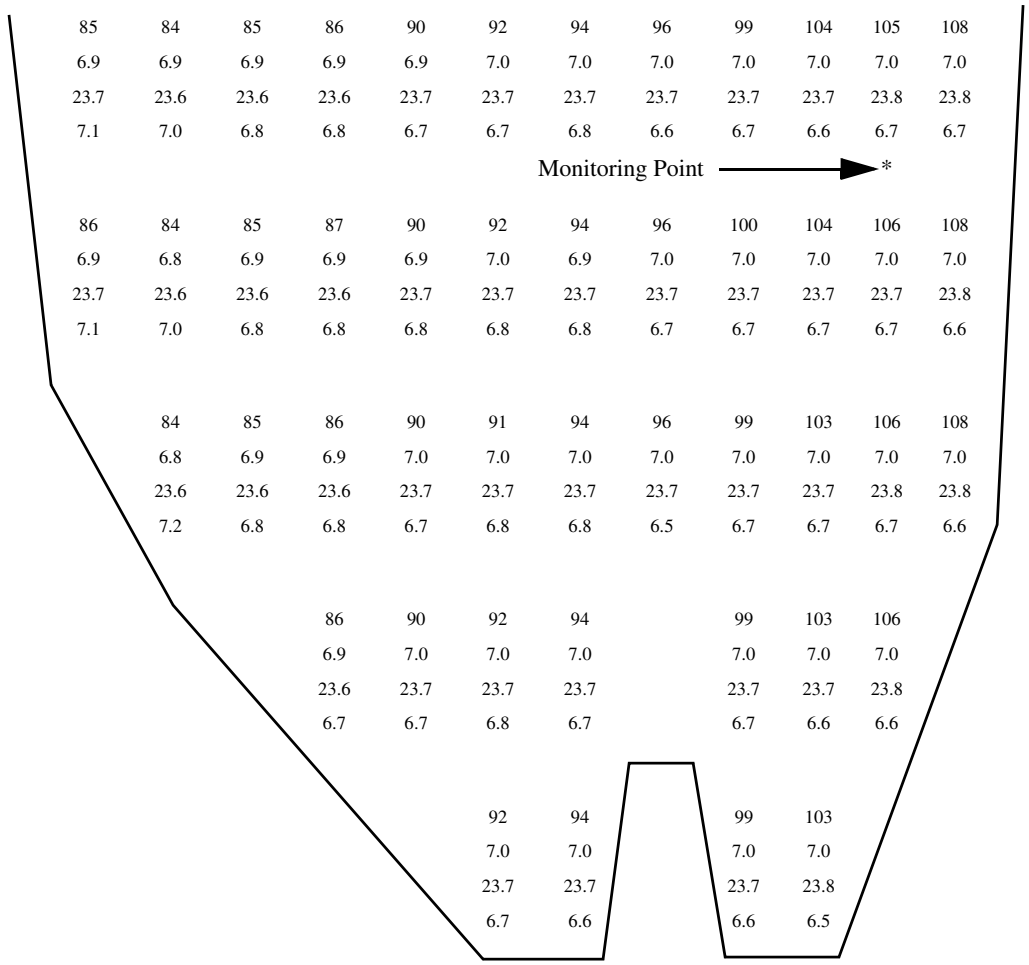
01021050 ST. CROIX RIVER AT MILLTOWN, ME—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.5	10.3	10.4	7.8	7.4	7.6	7.6	7.0	7.2	7.7	7.3	7.4
2	10.4	10.0	10.3	8.0	7.4	7.6	7.8	7.0	7.4	7.6	7.1	7.4
3	10.0	9.8	10	8.0	7.5	7.7	8.0	7.4	7.7	7.8	7.2	7.5
4	9.8	9.3	9.6	8.1	7.5	7.7	8.0	7.3	7.7	7.8	7.2	7.5
5	9.3	9.1	9.2	8.2	7.6	7.9	7.7	7.4	7.5	8.0	7.4	7.6
6	9.3	8.8	9.0	8.2	7.3	7.7	7.7	7.1	7.4	8.0	7.4	7.7
7	9.2	8.9	9.1	8.0	7.7	7.8	7.7	7.2	7.5	7.9	7.3	7.6
8	9.2	8.8	9.0	8.2	7.8	8.0	7.5	7.1	7.2	7.9	7.3	7.5
9	9.0	8.7	8.9	8.2	7.6	7.8	7.3	6.8	7.1	7.8	7.2	7.5
10	8.9	8.6	8.8	8.1	7.8	7.9	7.2	6.7	6.9	8.1	7.4	7.7
11	8.8	8.4	8.6	8.2	7.9	8.0	7.0	6.4	6.6	8.2	7.5	7.9
12	8.8	8.4	8.6	8.3	7.8	8.0	6.8	6.4	6.6	8.2	7.6	7.9
13	8.6	8.2	8.4	8.5	7.9	8.2	6.8	6.2	6.4	8.1	7.7	7.9
14	8.4	7.8	8.1	8.5	7.9	8.2	6.5	6.1	6.3	8.2	7.7	7.9
15	8.8	8.2	8.4	8.6	8.0	8.3	6.8	6.1	6.4	7.9	7.7	7.8
16	8.9	8.6	8.7	8.6	8.1	8.3	7.0	6.5	6.7	8.2	7.7	7.9
17	9.0	8.7	8.8	8.5	8.0	8.2	7.1	6.6	6.8	8.2	7.6	7.8
18	9.3	8.9	9.1	8.4	7.8	8.1	7.2	6.6	6.9	7.9	7.6	7.7
19	9.6	9.2	9.4	8.2	7.8	7.9	7.3	6.9	7.0	8.2	7.7	7.9
20	9.7	9.2	9.5	7.8	7.2	7.4	7.4	6.8	7.0	8.1	7.8	7.9
21	9.6	9.1	9.4	7.4	6.9	7.1	7.2	6.8	7.0	8.3	7.8	8.0
22	9.5	9.0	9.2	7.3	6.7	7.0	7.2	6.8	6.9	8.3	7.9	8.1
23	9.2	8.8	9.0	7.2	6.7	7.0	7.4	6.9	7.1	8.3	8.0	8.2
24	9.1	8.6	8.8	7.6	6.8	7.2	7.5	7.1	7.3	8.7	8.2	8.4
25	8.8	8.4	8.6	7.5	6.9	7.1	7.5	7.2	7.3	8.7	8.4	8.6
26	8.6	8.0	8.2	7.3	6.9	7.1	7.8	7.4	7.5	8.8	8.2	8.5
27	8.4	7.9	8.2	7.2	6.8	7.0	7.8	7.2	7.5	8.7	8.3	8.5
28	8.4	7.9	8.1	7.4	6.8	7.1	7.8	7.4	7.5	8.8	8.4	8.6
29	8.2	7.6	7.8	7.5	6.9	7.2	7.7	7.2	7.4	8.8	8.6	8.7
30	8.0	7.3	7.5	7.5	6.9	7.2	7.6	7.3	7.4	8.9	8.5	8.6
31	---	---	---	7.6	7.1	7.3	7.5	7.0	7.2	---	---	---
MONTH	10.5	7.3	8.9	8.6	6.7	7.6	8.0	6.1	7.1	8.9	7.1	7.9
PERIOD	10.5	6.1	7.9									

01021050 ST. CROIX RIVER AT MILLTOWN, ME—Continued

Cross section was performed on Aug. 17, 2005, from 1:35pm to 2:20pm, with field parameters displayed in the following order:
SPECIFIC CONDUCTANCE (microsiemens/cm)
pH (standard units)
WATER TEMPERATURE: (degrees Celsius)
DISSOLVED OXYGEN: (mg/L)



	Left bank	15	40	65	90	115	140	165	190	215	240	265	285	Right bank
DEPTH (feet)														
		85	84	85	86	90	92	94	96	99	104	105	108	
0.5		6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	
		23.7	23.6	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.8	23.8	
		7.1	7.0	6.8	6.8	6.7	6.7	6.8	6.6	6.7	6.6	6.7	6.7	
		86	84	85	87	90	92	94	96	100	104	106	108	
1		6.9	6.8	6.9	6.9	6.9	7.0	6.9	7.0	7.0	7.0	7.0	7.0	
		23.7	23.6	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.8	
		7.1	7.0	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.7	6.7	6.6	
			84	85	86	90	91	94	96	99	103	106	108	
2			6.8	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	
			23.6	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.8	23.8	
			7.2	6.8	6.8	6.7	6.8	6.8	6.5	6.7	6.7	6.7	6.6	
					86	90	92	94		99	103	106		
3					6.9	7.0	7.0	7.0		7.0	7.0	7.0		
					23.6	23.7	23.7	23.7		23.7	23.7	23.8		
					6.7	6.7	6.8	6.7		6.7	6.6	6.6		
							92	94		99	103			
4							7.0	7.0		7.0	7.0			
							23.7	23.7		23.7	23.8			
							6.7	6.6		6.6	6.5			

	Cross Section Values			Recorded Hourly Values			Recorded Daily Values		
	Max	Min	Mean	15:00	16:00	17:00	Max	Min	Mean
Sp Cond	108	84	95	111	109	106	121	82	107
pH	7	6.8	7	6.8	6.8	6.8	6.8	6.7	6.8
WT	24	23.6	23.7	24.1	24.3	24.4	24.7	23.4	24.2
DO	7.2	6.5	6.7	6.6	6.7	6.7	7.1	6.6	6.8



Wading measurement
Cathance Stream at Edmunds, Maine (01021230)
May 2005

01021200 DENNYS RIVER AT DENNYSVILLE, ME

LOCATION.--Lat 44° 54'05", long 67° 14'51", 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 Dennysville.

DRAINAGE AREA.--92.9 mi^2.

WATER-DISCHARGE RECORDS

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, Dec. 16-23, Jan. 20 to Feb. 14, Feb. 26 to Mar. 8, periods of doubtful stage-discharge relation, Oct. 1-16, Oct. 25 to Nov. 3, Nov. 17 to Dec. 1, Sept. 14-30, and period of doubtful gage-height record, Feb. 22 to Sept. 30, which are fair. Flow regulated by dam at outlet of Meddybemps Lake, 14 mi upstream, usable capacity about 1.507 billion ft^3. 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 ft^3/s, Apr. 29, 1973, gage height, 9.35 ft (from rating curve extended above 1,600 ft^3/s); minimum daily discharge, 8.6 ft^3/s, Sept. 30, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,190 ft^3/s, Mar. 29, gage height, 6.79 ft; minimum daily discharge, 44 ft^3/s, Nov. 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e57	e84	e407	148	e80	e102	954	958	539	75	78	160
2	e55	e77	743	164	e78	e108	822	972	426	84	84	141
3	e54	e82	547	161	e78	e106	816	838	373	87	86	105
4	e53	93	434	166	e78	e104	1,220	621	252	83	83	85
5	e52	113	414	150	e78	e103	1,100	483	187	81	79	74
6	e50	147	363	129	e77	e100	951	523	174	79	78	67
7	e49	118	310	119	e75	e99	883	552	304	80	76	64
8	e48	125	355	113	e75	e114	828	851	294	78	74	62
9	e47	132	333	109	e75	464	757	822	238	79	73	66
10	e47	104	319	106	e82	567	625	704	182	82	72	72
11	e50	86	356	104	e81	519	557	609	144	88	71	72
12	e85	78	417	97	e89	438	513	401	129	89	70	71
13	e95	71	404	98	e95	356	433	232	121	84	70	70
14	e84	66	400	163	e91	292	338	196	114	81	70	e68
15	e75	60	328	289	112	246	296	184	115	81	71	e73
16	e112	56	e290	231	189	223	229	208	119	78	69	e84
17	183	e53	e269	171	236	217	207	217	132	75	67	e98
18	161	e51	e242	137	249	211	201	204	156	74	66	e131
19	122	e49	e235	121	213	209	195	252	179	73	64	e108
20	96	e48	e226	e115	169	210	191	233	156	78	63	e80
21	82	e47	e209	e110	146	230	245	201	132	82	65	e79
22	73	e46	e196	e107	133	239	252	233	116	82	65	e67
23	67	e45	e191	e104	125	250	224	561	109	82	67	e60
24	62	e44	330	e101	118	252	226	736	97	80	76	e55
25	e58	e128	307	e98	112	240	518	731	91	82	78	e51
26	e55	e321	202	e96	e108	249	609	1,010	86	84	76	e53
27	e52	e259	128	e92	e103	237	430	1,470	81	82	75	e85
28	e49	e201	117	e91	e98	266	571	1,220	79	85	74	e90
29	e46	e412	150	e88	---	1,520	1,090	1,040	79	82	76	e85
30	e45	e480	125	e86	---	1,760	802	885	77	79	128	e102
31	e60	---	118	e83	---	1,260	---	730	---	77	145	---
TOTAL	2,224	3,676	9,465	3,947	3,243	11,291	17,083	18,877	5,281	2,506	2,389	2,478
MEAN	71.7	123	305	127	116	364	569	609	176	80.8	77.1	82.6
MAX	183	480	743	289	249	1,760	1,220	1,470	539	89	145	160
MIN	45	44	117	83	75	99	191	184	77	73	63	51

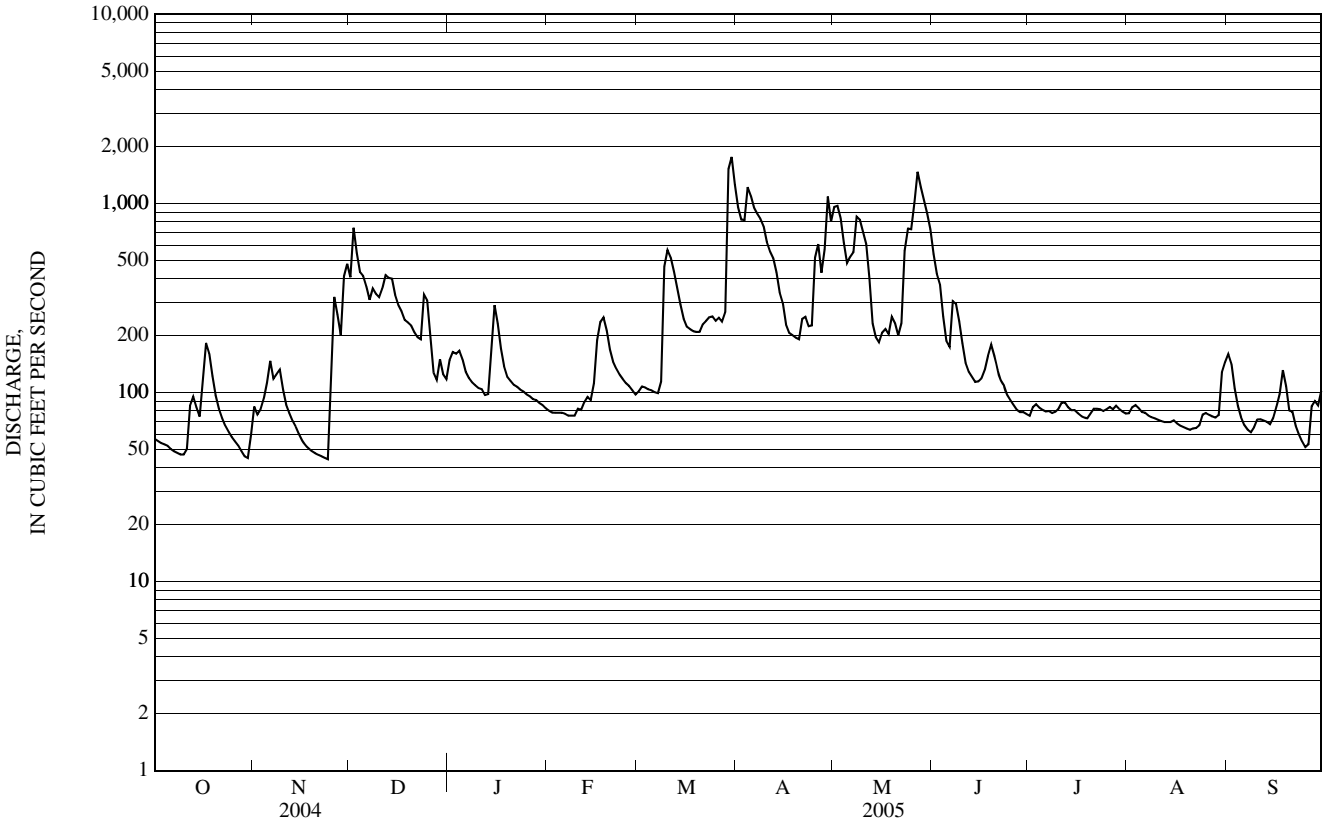
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2005, BY WATER YEAR (WY)

MEAN	112	193	221	186	186	263	439	279	166	99.7	75.4	78.6
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 DENNYS RIVER AT DENNYSVILLE, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1956 - 2005	
ANNUAL TOTAL	52,002		82,460			
ANNUAL MEAN	142		226		192	
HIGHEST ANNUAL MEAN					292	1973
LOWEST ANNUAL MEAN					96.0	1985
HIGHEST DAILY MEAN	879	Apr 3	1,760	Mar 30	3,350	Apr 29, 1973
LOWEST DAILY MEAN	42	Feb 27	44	Nov 24	8.6	Sep 30, 1957
ANNUAL SEVEN-DAY MINIMUM	44	Feb 21	47	Nov 18	9.5	Sep 25, 1957
MAXIMUM PEAK FLOW			2,190	Mar 29	3,930	Apr 29, 1973
MAXIMUM PEAK STAGE			6.79	Mar 29	9.35	Apr 29, 1973
10 PERCENT EXCEEDS	320		559		417	
50 PERCENT EXCEEDS	89		112		129	
90 PERCENT EXCEEDS	49		64		45	



01021200 DENNYS RIVER AT DENNYSVILLE, ME--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 2004 to current year.
pH: June 2004 to current year.
WATER TEMPERATURE: October 1958 to September 1972, June 2004 to current year.

INSTRUMENTATION.--In-situ monitor located 40 ft streamward from gage, and 1.5 ft above river bed.

REMARKS.--Records good. Monitor not operated during winter months.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 64 microsiemens/cm, Aug. 4, 2004; minimum, 21 microsiemens/cm, May 26,27, 2005.
pH: Maximum, 7.3 standard units, Aug. 4, 10, and 12, 2004; minimum, 5.6 standard units, Aug. 15-16, 2004.
WATER TEMPERATURE: Maximum, 27.5° C, July 29, 1959, July 29, 30, 1970; minimum, 0.0° C, on many days during winter months.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 46 microsiemens/cm, Sept. 5; minimum, 21 microsiemens/cm, May 26, 27.
pH: Maximum, 7.2 standard units, Aug. 9, 10; minimum, 5.6 standard units, May 27.
WATER TEMPERATURE: Maximum, 26.8° C, July 21; minimum, 4.1° C, Oct. 30.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	41	40	40	41	40	41	---	---	---	---	---	---
2	41	41	41	40	40	40	---	---	---	---	---	---
3	41	41	41	---	---	---	---	---	---	---	---	---
4	41	41	41	---	---	---	---	---	---	---	---	---
5	42	40	41	---	---	---	---	---	---	---	---	---
6	42	41	41	---	---	---	---	---	---	---	---	---
7	42	41	41	---	---	---	---	---	---	---	---	---
8	42	41	41	---	---	---	---	---	---	---	---	---
9	42	41	42	---	---	---	---	---	---	---	---	---
10	42	41	42	---	---	---	---	---	---	---	---	---
11	43	42	42	---	---	---	---	---	---	---	---	---
12	42	40	41	---	---	---	---	---	---	---	---	---
13	40	40	40	---	---	---	---	---	---	---	---	---
14	40	40	40	---	---	---	---	---	---	---	---	---
15	40	39	40	---	---	---	---	---	---	---	---	---
16	41	40	40	---	---	---	---	---	---	---	---	---
17	41	40	40	---	---	---	---	---	---	---	---	---
18	40	39	39	---	---	---	---	---	---	---	---	---
19	39	38	39	---	---	---	---	---	---	---	---	---
20	40	39	40	---	---	---	---	---	---	---	---	---
21	41	40	41	---	---	---	---	---	---	---	---	---
22	41	40	40	---	---	---	---	---	---	---	---	---
23	40	40	40	---	---	---	---	---	---	---	---	---
24	40	40	40	---	---	---	---	---	---	---	---	---
25	40	40	40	---	---	---	---	---	---	---	---	---
26	41	40	41	---	---	---	---	---	---	---	---	---
27	41	40	41	---	---	---	---	---	---	---	---	---
28	42	41	41	---	---	---	---	---	---	---	---	---
29	42	41	42	---	---	---	---	---	---	---	---	---
30	42	42	42	---	---	---	---	---	---	---	---	---
31	43	41	42	---	---	---	---	---	---	---	---	---
MONTH	43	38	41	41	40	40	---	---	---	---	---	---

01021200 DENNYS RIVER AT DENNYSVILLE, ME—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	32	31	32
15	---	---	---	---	---	---	---	---	---	34	32	33
16	---	---	---	---	---	---	---	---	---	34	33	33
17	---	---	---	---	---	---	---	---	---	33	32	32
18	---	---	---	---	---	---	---	---	---	32	32	32
19	---	---	---	---	---	---	---	---	---	32	29	30
20	---	---	---	---	---	---	---	---	---	29	29	29
21	---	---	---	---	---	---	---	---	---	30	29	30
22	---	---	---	---	---	---	---	---	---	31	29	30
23	---	---	---	---	---	---	---	---	---	29	23	26
24	---	---	---	---	---	---	---	---	---	23	23	23
25	---	---	---	---	---	---	---	---	---	26	23	24
26	---	---	---	---	---	---	---	---	---	26	21	24
27	---	---	---	---	---	---	---	---	---	23	21	21
28	---	---	---	---	---	---	---	---	---	24	23	23
29	---	---	---	---	---	---	---	---	---	26	23	25
30	---	---	---	---	---	---	---	---	---	27	26	27
31	---	---	---	---	---	---	---	---	---	29	27	28
MONTH	---	---	---	---	---	---	---	---	---	34	21	28
	JUNE			JULY			AUGUST			SEPTEMBER		
1	30	28	29	40	38	39	41	38	39	39	38	39
2	32	29	30	40	38	39	39	38	38	44	39	41
3	33	32	32	40	38	38	40	38	38	44	43	43
4	34	33	33	39	38	38	39	38	38	45	43	44
5	35	33	34	39	38	38	39	38	38	46	45	45
6	36	35	35	43	38	40	40	38	39	45	44	45
7	35	30	32	40	38	39	40	40	40	44	43	43
8	---	---	---	39	38	39	40	39	39	43	42	42
9	29	27	28	39	38	39	40	39	39	42	41	41
10	29	28	29	39	38	38	40	39	39	41	40	40
11	30	29	30	39	37	38	40	39	39	40	39	40
12	31	30	31	39	37	38	40	39	39	40	39	39
13	34	31	32	39	38	38	41	39	39	40	38	39
14	34	32	32	39	38	39	40	39	40	39	39	39
15	33	32	33	42	38	39	39	39	39	39	38	39
16	33	32	33	41	39	40	40	39	39	38	38	38
17	33	31	32	41	39	40	40	39	39	39	38	38
18	31	30	31	43	39	40	39	39	39	38	37	38
19	30	29	30	40	39	39	44	39	39	38	38	38
20	31	30	30	40	39	40	40	39	39	39	38	39
21	36	30	32	40	39	39	42	39	40	41	39	40
22	36	31	34	40	39	39	40	39	39	41	40	41
23	36	34	35	41	39	39	40	39	40	42	41	41
24	35	34	35	41	39	39	40	39	39	42	41	41
25	36	35	35	40	38	39	39	39	39	42	41	41
26	37	36	37	41	38	39	39	39	39	42	41	41
27	38	37	37	41	38	39	39	39	39	42	40	41
28	38	38	38	41	38	39	39	39	39	40	39	39
29	39	38	38	41	39	40	39	39	39	39	38	39
30	39	38	38	41	39	40	39	36	38	39	38	38
31	---	---	---	39	38	39	40	37	38	---	---	---
MONTH	39	27	33	43	37	39	44	36	39	46	37	40
PERIOD	46	21	37									

01021200 DENNYS RIVER AT DENNYSVILLE, ME—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	6.9	6.7	6.8	6.7	6.6	6.6	---	---	---	---	---	---
2	7.0	6.7	6.8	6.7	6.6	6.6	---	---	---	---	---	---
3	7.0	6.7	6.8	---	---	---	---	---	---	---	---	---
4	6.9	6.7	6.8	---	---	---	---	---	---	---	---	---
5	6.9	6.6	6.8	---	---	---	---	---	---	---	---	---
6	7.0	6.8	6.8	---	---	---	---	---	---	---	---	---
7	6.9	6.8	6.8	---	---	---	---	---	---	---	---	---
8	6.9	6.8	6.8	---	---	---	---	---	---	---	---	---
9	7.0	6.8	6.9	---	---	---	---	---	---	---	---	---
10	6.9	6.8	6.8	---	---	---	---	---	---	---	---	---
11	6.9	6.7	6.8	---	---	---	---	---	---	---	---	---
12	6.8	6.6	6.7	---	---	---	---	---	---	---	---	---
13	6.6	6.6	6.6	---	---	---	---	---	---	---	---	---
14	6.6	6.6	6.6	---	---	---	---	---	---	---	---	---
15	6.6	6.6	6.6	---	---	---	---	---	---	---	---	---
16	6.6	6.4	6.6	---	---	---	---	---	---	---	---	---
17	6.4	6.4	6.4	---	---	---	---	---	---	---	---	---
18	6.4	6.3	6.4	---	---	---	---	---	---	---	---	---
19	6.4	6.3	6.4	---	---	---	---	---	---	---	---	---
20	6.4	6.4	6.4	---	---	---	---	---	---	---	---	---
21	6.5	6.4	6.4	---	---	---	---	---	---	---	---	---
22	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
23	6.6	6.5	6.5	---	---	---	---	---	---	---	---	---
24	6.6	6.5	6.6	---	---	---	---	---	---	---	---	---
25	6.6	6.6	6.6	---	---	---	---	---	---	---	---	---
26	6.7	6.6	6.6	---	---	---	---	---	---	---	---	---
27	6.7	6.6	6.6	---	---	---	---	---	---	---	---	---
28	6.8	6.7	6.7	---	---	---	---	---	---	---	---	---
29	6.8	6.7	6.7	---	---	---	---	---	---	---	---	---
30	6.8	6.7	6.7	---	---	---	---	---	---	---	---	---
31	6.8	6.6	6.7	---	---	---	---	---	---	---	---	---
MONTH	7.0	6.3	6.7	6.7	6.6	6.6	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	6.8	6.6	6.7
15	---	---	---	---	---	---	---	---	---	6.7	6.6	6.7
16	---	---	---	---	---	---	---	---	---	6.7	6.6	6.7
17	---	---	---	---	---	---	---	---	---	6.7	6.6	6.7
18	---	---	---	---	---	---	---	---	---	6.7	6.6	6.7
19	---	---	---	---	---	---	---	---	---	6.6	6.6	6.6
20	---	---	---	---	---	---	---	---	---	6.6	6.5	6.6
21	---	---	---	---	---	---	---	---	---	6.7	6.6	6.6
22	---	---	---	---	---	---	---	---	---	6.6	6.6	6.6
23	---	---	---	---	---	---	---	---	---	6.6	6.1	6.3
24	---	---	---	---	---	---	---	---	---	6.1	6.0	6.0
25	---	---	---	---	---	---	---	---	---	6.2	6.0	6.1
26	---	---	---	---	---	---	---	---	---	6.2	5.7	6.1
27	---	---	---	---	---	---	---	---	---	5.7	5.6	5.7
28	---	---	---	---	---	---	---	---	---	5.8	5.7	5.8
29	---	---	---	---	---	---	---	---	---	6.0	5.8	5.9
30	---	---	---	---	---	---	---	---	---	6.2	6.0	6.1
31	---	---	---	---	---	---	---	---	---	6.3	6.1	6.2
MONTH	---	---	---	---	---	---	---	---	---	6.8	5.6	6.3

01021200 DENNYS RIVER AT DENNYSVILLE, ME—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.4	6.2	6.3	6.9	6.6	6.8	7.0	6.7	6.8	6.4	6.3	6.4
2	6.6	6.3	6.5	7.0	6.7	6.8	7.0	6.7	6.8	6.4	6.2	6.3
3	6.7	6.4	6.6	7.0	6.6	6.8	7.1	6.6	6.8	6.6	6.3	6.5
4	6.7	6.5	6.6	7.0	6.7	6.8	7.1	6.6	6.8	6.6	6.4	6.5
5	6.8	6.6	6.7	7.1	6.7	6.8	7.0	6.7	6.8	6.7	6.5	6.6
6	6.8	6.6	6.7	6.8	6.7	6.8	7.1	6.7	6.9	6.8	6.6	6.7
7	6.6	6.4	6.5	7.1	6.7	6.9	7.1	6.7	6.8	6.8	6.6	6.7
8	---	---	---	7.0	6.7	6.8	7.1	6.7	6.9	6.9	6.6	6.7
9	6.6	6.4	6.5	6.9	6.7	6.8	7.2	6.7	6.9	7.0	6.7	6.8
10	6.7	6.5	6.6	6.9	6.7	6.8	7.2	6.7	6.9	7.0	6.7	6.8
11	6.8	6.5	6.7	6.9	6.7	6.8	7.1	6.6	6.8	7.0	6.7	6.8
12	6.9	6.6	6.7	6.9	6.6	6.8	7.1	6.7	6.8	7.0	6.8	6.9
13	6.9	6.6	6.8	7.0	6.7	6.8	7.1	6.7	6.8	7.0	6.7	6.8
14	6.8	6.6	6.7	6.9	6.7	6.8	6.9	6.7	6.8	6.9	6.7	6.8
15	6.9	6.6	6.8	7.0	6.7	6.8	7.0	6.7	6.8	6.9	6.7	6.8
16	6.9	6.8	6.8	7.0	6.7	6.8	7.0	6.7	6.8	6.9	6.6	6.7
17	6.8	6.7	6.8	7.0	6.7	6.8	7.1	6.7	6.9	6.7	6.5	6.7
18	6.8	6.7	6.7	7.0	6.7	6.8	7.1	6.7	6.9	6.5	6.4	6.5
19	6.8	6.6	6.7	7.1	6.7	6.8	7.1	6.7	6.9	6.6	6.4	6.5
20	6.8	6.6	6.7	7.0	6.7	6.8	7.0	6.7	6.9	6.7	6.5	6.6
21	6.9	6.6	6.7	7.0	6.6	6.8	6.9	6.8	6.8	6.7	6.5	6.6
22	6.8	6.6	6.7	7.0	6.6	6.8	7.1	6.7	6.9	6.8	6.5	6.6
23	6.9	6.5	6.7	7.0	6.6	6.8	7.0	6.7	6.8	6.8	6.6	6.7
24	6.9	6.6	6.7	7.1	6.6	6.9	7.0	6.7	6.8	6.8	6.6	6.7
25	7.0	6.6	6.7	6.8	6.6	6.7	7.0	6.7	6.8	6.9	6.6	6.8
26	7.0	6.6	6.7	7.0	6.6	6.8	7.0	6.7	6.8	6.9	6.7	6.8
27	7.0	6.6	6.7	7.1	6.7	6.8	7.0	6.7	6.8	6.9	6.7	6.8
28	7.1	6.6	6.8	7.1	6.7	6.9	7.1	6.7	6.9	6.8	6.6	6.7
29	7.0	6.6	6.8	7.1	6.6	6.8	7.0	6.7	6.8	6.9	6.7	6.8
30	7.0	6.6	6.7	7.1	6.7	6.8	6.8	6.4	6.6	6.8	6.7	6.7
31	---	---	---	7.1	6.7	6.9	6.4	6.3	6.4	---	---	---
MONTH	7.1	6.2	6.7	7.1	6.6	6.8	7.2	6.3	6.8	7.0	6.2	6.7
PERIOD	7.2	5.6	6.7									

01021200 DENNYS RIVER AT DENNYSVILLE, ME—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.9	12.8	13.8	7.9	7.0	7.5	---	---	---	---	---	---
2	15.1	12.5	13.6	7.4	6.8	7.1	---	---	---	---	---	---
3	14.7	12.8	13.8	---	---	---	---	---	---	---	---	---
4	13.8	12.7	13.3	---	---	---	---	---	---	---	---	---
5	13.8	12.0	12.9	---	---	---	---	---	---	---	---	---
6	12.1	10.3	11.2	---	---	---	---	---	---	---	---	---
7	12.6	9.8	11.1	---	---	---	---	---	---	---	---	---
8	13.3	9.9	11.5	---	---	---	---	---	---	---	---	---
9	14.2	11.1	12.6	---	---	---	---	---	---	---	---	---
10	14.2	12.3	13.3	---	---	---	---	---	---	---	---	---
11	13.5	12.4	12.9	---	---	---	---	---	---	---	---	---
12	12.4	10.7	11.4	---	---	---	---	---	---	---	---	---
13	11.7	10.5	10.9	---	---	---	---	---	---	---	---	---
14	11.4	10.2	10.6	---	---	---	---	---	---	---	---	---
15	10.8	10.1	10.5	---	---	---	---	---	---	---	---	---
16	12.7	10.7	11.8	---	---	---	---	---	---	---	---	---
17	12.5	11.5	11.9	---	---	---	---	---	---	---	---	---
18	11.5	10.1	10.7	---	---	---	---	---	---	---	---	---
19	10.1	8.9	9.4	---	---	---	---	---	---	---	---	---
20	9.0	7.8	8.5	---	---	---	---	---	---	---	---	---
21	8.0	7.4	7.7	---	---	---	---	---	---	---	---	---
22	8.8	7.6	8.2	---	---	---	---	---	---	---	---	---
23	8.8	8.2	8.5	---	---	---	---	---	---	---	---	---
24	8.5	8.2	8.3	---	---	---	---	---	---	---	---	---
25	8.6	8.0	8.3	---	---	---	---	---	---	---	---	---
26	9.0	8.2	8.5	---	---	---	---	---	---	---	---	---
27	9.1	7.5	8.2	---	---	---	---	---	---	---	---	---
28	8.3	6.7	7.4	---	---	---	---	---	---	---	---	---
29	6.9	5.3	6.1	---	---	---	---	---	---	---	---	---
30	6.4	4.1	5.1	---	---	---	---	---	---	---	---	---
31	7.5	5.8	6.6	---	---	---	---	---	---	---	---	---
MONTH	15.1	4.1	10.3	7.9	6.8	7.3	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	11.2	9.7	10.6
15	---	---	---	---	---	---	---	---	---	11.0	9.8	10.5
16	---	---	---	---	---	---	---	---	---	10.0	9.2	9.7
17	---	---	---	---	---	---	---	---	---	10.0	9.0	9.5
18	---	---	---	---	---	---	---	---	---	10.8	9.5	10.2
19	---	---	---	---	---	---	---	---	---	10.6	9.9	10.3
20	---	---	---	---	---	---	---	---	---	11.0	9.9	10.5
21	---	---	---	---	---	---	---	---	---	10.9	10.4	10.7
22	---	---	---	---	---	---	---	---	---	10.4	9.4	9.9
23	---	---	---	---	---	---	---	---	---	9.4	8.7	9.0
24	---	---	---	---	---	---	---	---	---	9.3	8.3	8.8
25	---	---	---	---	---	---	---	---	---	9.9	9.0	9.5
26	---	---	---	---	---	---	---	---	---	9.8	8.8	9.5
27	---	---	---	---	---	---	---	---	---	9.9	8.8	9.3
28	---	---	---	---	---	---	---	---	---	10.6	9.9	10.2
29	---	---	---	---	---	---	---	---	---	11.6	10.6	11.1
30	---	---	---	---	---	---	---	---	---	12.0	11.4	11.6
31	---	---	---	---	---	---	---	---	---	12.8	11.6	12.1
MONTH	---	---	---	---	---	---	---	---	---	12.8	8.3	10.2

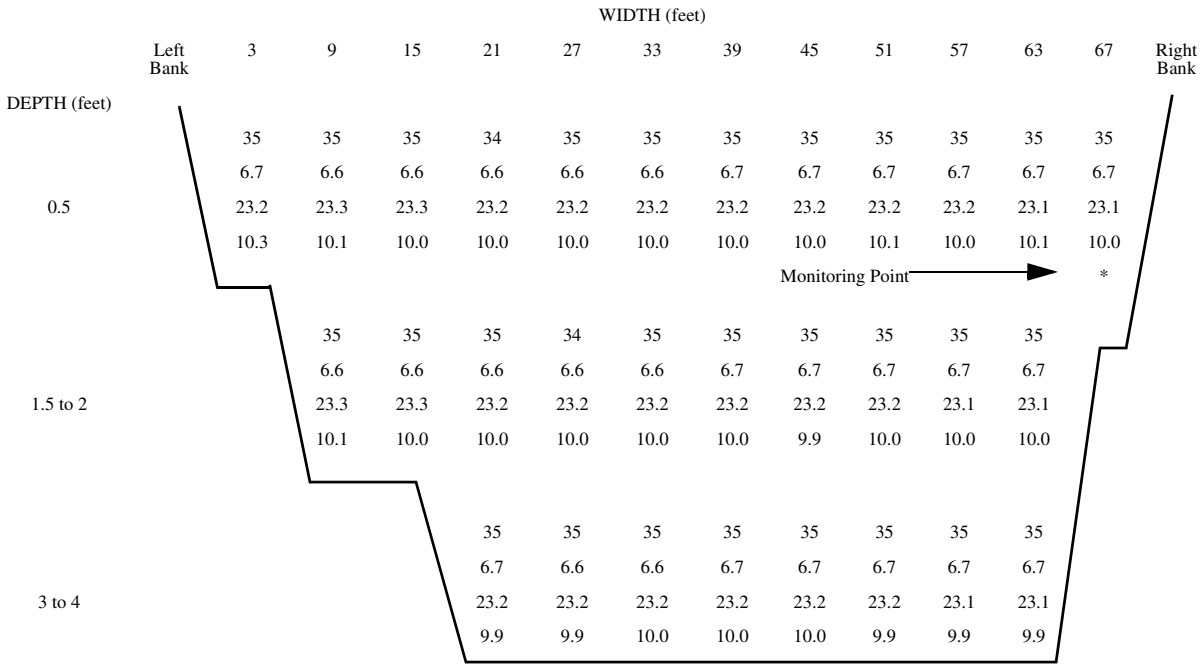
01021200 DENNYS RIVER AT DENNYSVILLE, ME—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.9	11.8	13.3	21.3	19.5	20.4	22.2	20.5	21.4	21.4	19.9	20.6
2	17.2	13.1	15.1	21.5	19.1	20.1	22.3	20.3	21.1	21.6	19.5	20.5
3	17.2	14.6	16.0	23.0	19.7	21.0	23.5	21.0	22.0	21.8	19.6	20.6
4	17.8	14.5	16.2	23.0	20.5	21.4	23.5	21.0	22.0	21.3	19.6	20.3
5	18.2	16.8	17.4	22.7	20.8	21.5	21.4	20.8	21.1	20.7	18.9	19.7
6	17.4	14.5	16.1	21.4	19.6	20.6	23.1	20.3	21.4	20.4	18.4	19.1
7	16.4	13.9	15.0	20.8	19.0	19.7	23.6	21.0	21.9	21.0	18.2	19.4
8	18.0	15.8	16.7	21.4	19.1	20.1	24.2	21.4	22.6	21.6	18.7	20.0
9	18.7	17.1	17.9	20.2	18.3	19.3	25.0	22.5	23.5	21.5	19.3	20.2
10	19.9	18.0	18.9	18.6	17.8	18.1	25.9	23.1	24.3	20.0	18.2	19.3
11	20.2	18.4	19.3	21.2	18.0	19.6	25.3	23.7	24.3	19.2	17.5	18.1
12	20.1	18.4	19.1	21.0	19.8	20.4	24.9	22.9	23.7	20.0	17.6	18.7
13	22.0	18.8	20.2	21.2	19.8	20.3	24.8	22.8	23.4	19.3	18.2	18.7
14	21.0	17.5	19.2	20.1	19.6	19.8	23.7	22.6	23.2	18.4	17.8	18.2
15	17.5	15.4	16.0	22.9	19.5	20.8	23.7	21.9	22.7	18.3	17.8	18.1
16	15.4	14.3	14.7	24.3	21.0	22.3	23.2	21.1	21.9	19.3	18.2	18.7
17	14.3	13.5	13.7	24.9	22.3	23.3	22.9	21.0	21.8	18.7	17.2	17.9
18	14.0	13.1	13.5	23.8	22.8	23.4	22.2	20.1	21.0	17.3	16.7	17.0
19	15.7	13.2	14.3	24.3	22.5	23.2	21.8	19.5	20.4	18.9	16.8	17.6
20	17.9	14.0	15.9	26.5	23.0	24.5	20.3	19.3	19.9	17.9	17.2	17.5
21	20.6	15.9	18.2	26.8	24.9	25.5	20.3	19.6	20.0	18.5	16.9	17.5
22	20.2	18.0	18.9	26.1	24.5	25.2	23.2	19.8	21.1	18.3	16.7	17.3
23	20.6	17.2	18.7	26.0	24.3	25.1	22.9	20.8	21.7	18.4	16.8	17.5
24	20.7	18.2	19.4	25.2	23.2	24.1	21.3	20.8	21.1	17.3	15.5	16.2
25	23.3	18.8	20.7	23.2	21.2	21.9	21.5	20.2	20.7	16.0	13.6	14.8
26	25.0	22.1	23.3	23.7	20.6	22.0	22.3	19.5	20.6	16.1	14.2	15.2
27	23.4	21.4	22.5	24.8	22.4	23.3	22.5	20.3	21.1	17.2	15.7	16.2
28	23.4	20.7	21.7	24.1	22.8	23.4	23.1	20.8	21.9	16.2	14.6	15.3
29	24.5	21.7	23.0	24.5	21.9	22.9	22.2	21.7	22.0	15.6	14.3	14.8
30	23.7	21.3	22.7	24.3	22.5	23.1	21.7	20.2	20.9	15.0	13.7	14.3
31	---	---	---	24.1	22.0	22.8	20.2	19.6	19.9	---	---	---
MONTH	25.0	11.8	17.9	26.8	17.8	21.9	25.9	19.3	21.8	21.8	13.6	18.0
PERIOD	26.8	4.1	17.0									

01021200 DENNYS RIVER AT DENNYSVILLE, ME—Continued

Cross section was performed on Aug. 16, 2005, from 4:52pm to 5:07pm, 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	16:00	17:00	18:00	Max	Min	Mean
Sp Cond	35	34	35	39	39	39	40	39	39
pH	6.7	6.6	6.7	7.0	7.0	7.0	7.0	6.7	6.8
WT	23.3	23.1	23.2	22.8	23.1	23.2	23.2	21.1	21.9
DO	10.1	9.9	10.0						



Cableway measurement
Little Androscoggin River near South Paris, Maine (01057000)
April 2005

01021230 CATHANCE STREAM AT EDMUNDS, ME

LOCATION.--Lat 44° 53'12", long 67° 16'03", Washington County, Hydrologic Unit 01050002, upstream of bridge on Dodge Road, 400 ft downstream of outflow to Great Works pond, and 2.0 miles upstream from the confluence with Dennys River in Edmunds, Maine.

DRAINAGE AREA.--32.7 mi^2.

PERIOD OF RECORD.--May 2004 to current year.

GAGE.--Water-stage recorder. Datum of gage is 75 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for periods of ice effect, Dec. 15-23, 2004, Dec. 27, 2004 to Mar. 15, 22, 2005, and period of no gage-height record, May 20, 2004, Dec. 11, 2004 to Feb. 16, 2005, July 17-26, 2005, which are fair. Satellite telemeter at station. Records from water year 2004 have not been previously published and are given below.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 270 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 2	2000	297	7.42	Apr 29	1545	458	8.76
Mar 30	0515	*696	*10.54	May 9	0300	304	7.48
Apr 4	2315	539	9.39	May 27	1745	605	9.88

Minimum discharge, 0.71 ft^3/s, Aug. 3, gage height, 3.97 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	26	210	e87	e43	e48	464	407	279	39	7.9	32
2	19	28	277	e90	e42	e51	398	427	233	36	13	39
3	17	33	277	e85	e40	e49	368	358	195	32	5.5	30
4	16	38	236	e80	e38	e47	499	296	165	27	8.2	21
5	14	49	201	e73	e37	e45	523	248	142	22	8.0	15
6	13	57	177	e68	e37	e44	458	209	126	18	7.5	12
7	12	53	144	e62	e36	e43	387	191	140	16	7.2	10
8	11	54	140	e59	e34	e53	344	268	148	14	7.0	9.1
9	10	58	129	e56	e33	e136	307	291	138	14	6.8	8.5
10	9.5	54	117	e54	e34	e184	272	253	122	16	6.4	7.5
11	9.1	49	e126	e51	e45	e194	237	215	107	19	6.2	7.1
12	23	42	e130	e48	e49	e185	215	180	96	20	5.8	6.7
13	32	42	e123	e47	e45	e170	195	158	87	20	5.7	6.5
14	31	41	e114	e106	e40	e153	173	137	86	20	5.7	6.2
15	26	40	e104	e122	e56	139	156	119	83	20	5.9	7.0
16	34	38	e93	e114	e75	131	140	117	81	19	5.7	7.4
17	43	34	e85	e103	e90	124	125	114	80	e17	5.4	14
18	43	33	e77	e92	e94	117	112	109	85	e14	4.7	28
19	38	33	e75	e81	e92	111	106	111	88	e13	4.6	31
20	34	34	e69	e81	e83	108	94	104	80	e12	4.6	27
21	30	34	e65	e80	e74	106	104	95	70	e11	4.7	24
22	27	34	e62	e74	e68	e105	108	98	62	e10	4.7	20
23	25	33	e59	e68	e64	104	96	147	58	e9.7	4.5	15
24	23	32	e181	e63	e60	102	94	208	52	e9.3	4.5	12
25	21	74	e159	e61	e56	99	154	214	46	e11	4.6	10
26	20	138	e137	e57	e53	97	220	269	40	e10	4.5	9.4
27	18	146	e119	e55	e49	96	204	565	36	9.4	4.3	11
28	17	126	e108	e52	e46	101	233	545	33	8.8	4.2	11
29	16	161	e103	e48	---	400	427	474	33	8.6	4.4	11
30	15	210	e92	e46	---	665	388	398	40	7.9	9.2	12
31	21	---	e85	e44	---	551	---	335	---	7.5	15	---
TOTAL	687.6	1,824	4,074	2,207	1,513	4,558	7,601	7,660	3,031	511.2	196.4	460.4
MEAN	22.2	60.8	131	71.2	54.0	147	253	247	101	16.5	6.34	15.3
MAX	43	210	277	122	94	665	523	565	279	39	15	39
MIN	9.1	26	59	44	33	43	94	95	33	7.5	4.2	6.2
CFSM	0.68	1.86	4.02	2.18	1.65	4.50	7.75	7.56	3.09	0.50	0.19	0.47
IN.	0.78	2.08	4.63	2.51	1.72	5.19	8.65	8.71	3.45	0.58	0.22	0.52

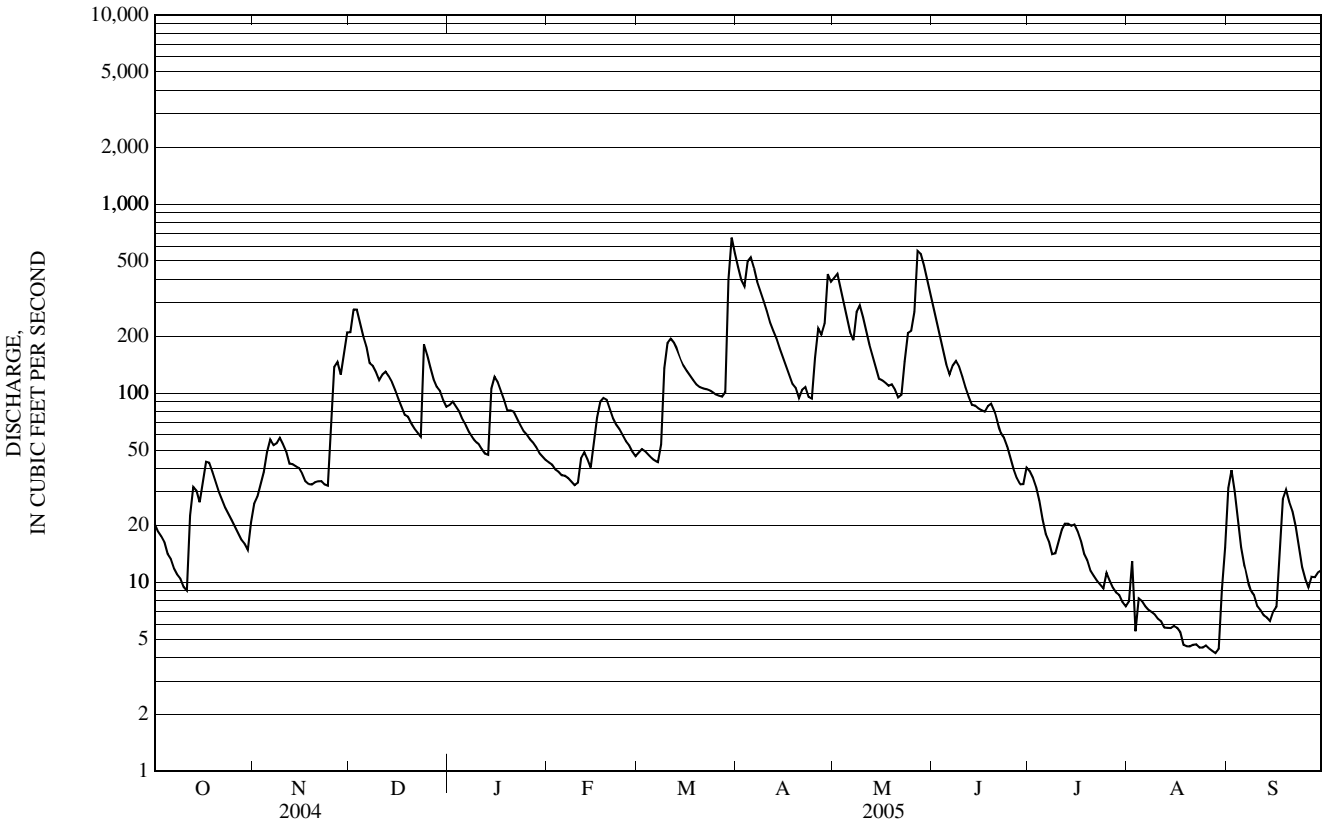
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	22.2	60.8	131	71.2	54.0	147	253	247	66.8	19.5	33.6	30.3
MAX	22.2	60.8	131	71.2	54.0	147	253	247	101	22.5	60.8	45.2
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)
MIN	22.2	60.8	131	71.2	54.0	147	253	247	32.7	16.5	6.34	15.3
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2005)	(2005)

e Estimated

01021230 CATHANCE STREAM AT EDMUNDS, ME—Continued

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	34,323.6			
ANNUAL MEAN	94.0		94.0	
HIGHEST ANNUAL MEAN			94.0	2005
LOWEST ANNUAL MEAN			94.0	2005
HIGHEST DAILY MEAN	665	Mar 30	665	Mar 30, 2005
LOWEST DAILY MEAN	4.2	Aug 28	4.2	Aug 28, 2005
ANNUAL SEVEN-DAY MINIMUM	4.4	Aug 23	4.4	Aug 23, 2005
MAXIMUM PEAK FLOW	696	Mar 30	696	Mar 30, 2005
MAXIMUM PEAK STAGE	10.54	Mar 30	10.54	Mar 30, 2005
ANNUAL RUNOFF (CFSM)	2.88		2.88	
ANNUAL RUNOFF (INCHES)	39.05		39.07	
10 PERCENT EXCEEDS	225		225	
50 PERCENT EXCEEDS	54		54	
90 PERCENT EXCEEDS	8.1		8.1	



01021452 MOPANG STREAM NEAR BEDDINGTON, ME

LOCATION.--Lat 44° 52'16", long 67° 56'29", 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 mi^2.

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 ft^3/s, and periods of ice effect, Dec. 7-10, Dec. 15 to Mar. 16, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 259 ft^3/s, Apr. 4, 2005, gage height, 4.11 ft; maximum gage height 5.07 ft, Mar. 10, 2005 (backwater from ice); minimum discharge 0.71 ft^3/s, Oct. 4-6 and 12, 2001, gage height, 1.45 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 10	- - -	157[a]	- - -	Apr 25	1915	212	3.79
Mar 10	0545	Ice Jam	*5.07	Apr 29	0615	232	3.93
Mar 30	0215	215	3.81	May 8	1930	173	3.51
Apr 4	0700	*259	4.11	May 27	0615	238	3.97

Minimum discharge, 3.0 ft^3/s, Aug. 28-29, gage height, 1.72 ft.

[a] Estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	14	70	e48	e25	e31	169	199	137	32	10	12
2	8.9	13	105	e45	e24	e33	154	189	123	31	14	9.3
3	9.2	17	88	e43	e24	e28	185	169	112	29	14	7.4
4	8.7	16	73	e42	e25	e26	251	152	101	27	12	5.9
5	8.5	24	66	e40	e25	e23	224	137	91	24	11	5.3
6	8.0	26	62	e38	e24	e22	205	124	84	23	10	4.9
7	7.7	24	e56	e37	e23	e21	195	122	88	22	9.1	4.5
8	7.4	24	e56	e35	e23	e39	188	163	85	21	8.5	4.6
9	7.2	21	e53	e34	e23	e150	178	161	77	21	8.1	5.4
10	7.1	19	e50	e33	e23	e157	165	143	71	21	7.7	4.8
11	7.1	18	58	e33	e29	e148	154	124	67	20	7.2	4.5
12	12	17	59	e32	e28	e133	142	113	63	19	6.7	4.4
13	12	17	58	e31	e27	e118	134	101	61	19	6.6	4.5
14	11	17	56	e51	e25	e102	124	90	58	18	6.5	4.8
15	10	17	e51	e56	e36	e90	115	86	61	18	7.4	6.5
16	24	17	e47	e52	e47	e80	107	93	62	14	6.9	7.9
17	32	16	e43	e49	e59	74	100	91	63	11	6.5	11
18	26	16	e40	e45	e56	70	94	85	67	11	5.9	15
19	19	16	e39	e41	e48	67	82	85	64	11	5.4	12
20	16	16	e36	e45	e41	66	81	83	59	12	5.1	9.9
21	14	16	e35	e44	e36	65	92	77	55	12	5.2	9.8
22	12	16	e34	e41	e37	65	87	78	53	11	5.3	8.9
23	11	16	e35	e39	e36	65	80	99	50	11	5.0	8.4
24	11	15	e74	e37	e34	64	86	120	47	10	4.5	7.9
25	10	32	e67	e35	e33	62	176	110	44	9.4	5.5	7.6
26	10	50	e61	e33	e31	61	187	142	41	9.9	4.5	8.0
27	9.8	48	e56	e31	e30	61	153	228	38	9.8	3.8	10
28	9.6	41	e54	e29	e28	66	181	196	35	12	3.3	10
29	9.3	69	e50	e28	---	172	225	172	34	12	3.8	11
30	9.3	70	e48	e27	---	208	202	159	33	10	9.5	14
31	13	---	e46	e26	---	188	---	151	---	9.5	11	---
TOTAL	369.9	738	1,726	1,200	900	2,555	4,516	4,042	2,024	520.6	230.0	240.2
MEAN	11.9	24.6	55.7	38.7	32.1	82.4	151	130	67.5	16.8	7.42	8.01
MAX	32	70	105	56	59	208	251	228	137	32	14	15
MIN	7.1	13	34	26	23	21	80	77	33	9.4	3.3	4.4
CFSM	0.63	1.31	2.96	2.06	1.71	4.38	8.01	6.94	3.59	0.89	0.39	0.43
IN.	0.73	1.46	3.42	2.37	1.78	5.06	8.94	8.00	4.00	1.03	0.46	0.48

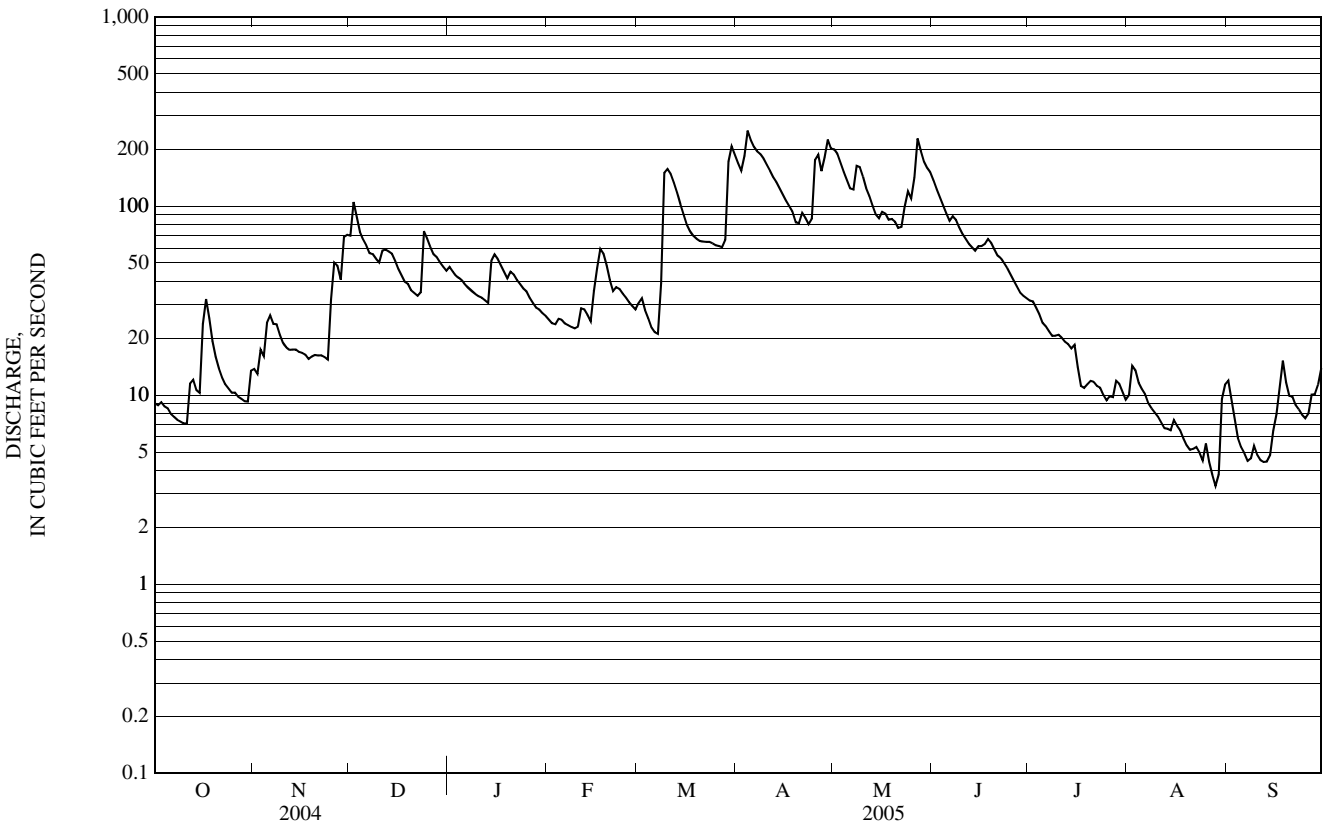
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	12.3	32.2	55.6	30.8	26.1	58.0	103	69.9	38.1	15.1	12.1	8.22
MAX	32.6	78.5	103	50.5	32.1	82.4	151	130	67.5	19.6	30.3	20.4
(WY)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	11,501.2		19,061.7			
ANNUAL MEAN	31.4		52.2		38.5	
HIGHEST ANNUAL MEAN					52.2	2005
LOWEST ANNUAL MEAN					26.7	2002
HIGHEST DAILY MEAN	105	Dec 2	251	Apr 4	251	Apr 4, 2005
LOWEST DAILY MEAN	7.1	Oct 10	3.3	Aug 28	0.74	Oct 5, 2001
ANNUAL SEVEN-DAY MINIMUM	7.6	Oct 5	4.3	Aug 23	0.84	Oct 4, 2001
MAXIMUM PEAK FLOW			259	Apr 4	259	Apr 4, 2005
MAXIMUM PEAK STAGE			5.07	Mar 10	5.07	Mar 10, 2005
INSTANTANEOUS LOW FLOW			3.0	Aug 28	0.71	Oct 4, 2001
ANNUAL RUNOFF (CFSM)	1.67		2.78		2.05	
ANNUAL RUNOFF (INCHES)	22.76		37.72		27.83	
10 PERCENT EXCEEDS	60		142		93	
50 PERCENT EXCEEDS	25		33		24	
90 PERCENT EXCEEDS	12		7.5		2.7	



01021470 LIBBY BROOK NEAR NORTHFIELD, ME

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

DRAINAGE AREA.--7.79 mi^2.

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 fair, including periods of ice effect, Dec. 7, 15-16, 18, 21-22, Dec. 26 to Mar. 2, Mar. 8-11, 13, period of doubtful stage-discharge relation, Oct. 1 to Sept. 30, and periods of no gage-height record, Dec. 27-31, Jan. 17 to Feb. 3. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 228 ft^3/s, Mar. 29, 2005, gage height, 4.40 ft; maximum gage height, 5.68 ft, Mar. 4, 2003 and Mar. 10, 2005 (backwater from ice); minimum discharge, 2.2 ft^3/s, July 26, 2002, gage height, 1.48 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 10	1045	Ice Jam	*5.68	Apr 4	1000	157	4.07
Mar 29	2345	*228	4.40	May 27	0645	201	4.29

Minimum discharge, 4.8 ft^3/s, Aug. 4, gage height, 1.67 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6.4	13	36	e13	e6.7	e8.4	68	52	22	9.1	7.9	12
2	e6.3	11	50	e12	e6.4	e8.8	45	45	20	9.5	9.1	10
3	e6.7	16	39	e13	e6.3	8.4	64	31	18	8.5	7.3	8.3
4	e6.3	15	28	e12	e6.3	8.3	130	25	16	8.4	5.6	7.5
5	e6.4	23	22	e12	e6.2	8.0	71	21	14	8.8	5.5	7.2
6	e6.3	24	17	e11	e6.1	7.7	42	18	14	8.4	5.7	7.2
7	6.3	19	e14	e10	e6.1	7.7	34	22	20	7.9	5.9	7.2
8	6.6	19	14	e9.9	e6.1	e12	31	43	17	7.9	6.2	7.1
9	6.6	15	12	e9.4	e6.0	e57	28	39	15	8.9	6.1	6.7
10	6.7	12	11	e8.9	e6.4	e55	25	28	14	9.6	5.9	6.4
11	6.7	12	18	e8.7	e7.0	e48	23	22	12	8.7	5.6	6.5
12	11	11	20	e8.5	e6.6	41	21	20	11	7.7	5.6	6.6
13	11	10	20	e8.6	e6.2	e34	20	16	11	7.3	6.1	6.5
14	9.3	9.9	19	e20	e6.3	28	18	14	10	7.3	6.3	6.8
15	8.6	9.4	e16	e24	e12	24	16	15	16	7.8	7.5	9.4
16	21	8.9	e12	e20	e22	21	15	20	16	6.8	8.0	12
17	23	8.4	11	e17	e27	18	13	19	20	7.1	7.6	13
18	18	8.2	e10	e15	e24	17	13	18	23	7.4	6.7	14
19	14	8.7	9.6	e14	e22	16	12	20	21	6.7	6.4	11
20	12	9.2	9.3	e16	e19	17	12	19	17	6.0	6.7	9.3
21	11	8.7	e8.8	e13	e17	18	20	18	14	5.6	7.4	9.3
22	9.5	8.6	e8.5	e12	e14	20	18	19	12	6.0	7.6	8.0
23	8.8	8.5	9.2	e11	e12	22	16	28	11	6.2	7.1	7.8
24	8.6	8.1	23	e11	e11	22	18	32	10	6.4	7.0	7.6
25	8.5	27	20	e9.9	e10	21	51	28	9.7	7.4	7.4	7.3
26	8.4	39	e18	e9.2	e9.3	21	51	62	9.0	7.6	6.8	7.4
27	7.9	32	e15	e8.6	e8.9	20	31	160	9.0	7.2	6.8	11
28	7.6	24	e15	e8.1	e8.5	23	42	86	8.3	7.9	6.9	8.9
29	7.4	44	e14	e7.7	---	114	70	42	8.3	7.2	7.8	8.3
30	7.1	41	e12	e7.3	---	170	44	31	8.7	7.1	13	10
31	14	---	e12	e7.0	---	106	---	26	---	7.1	12	---
TOTAL	298.0	503.6	543.4	367.8	305.4	1,002.3	1,062	1,039	427.0	235.5	221.5	260.3
MEAN	9.61	16.8	17.5	11.9	10.9	32.3	35.4	33.5	14.2	7.60	7.15	8.68
MAX	23	44	50	24	27	170	130	160	23	9.6	13	14
MIN	6.3	8.1	8.5	7.0	6.0	7.7	12	14	8.3	5.6	5.5	6.4
CFSM	1.23	2.15	2.25	1.52	1.40	4.15	4.54	4.30	1.83	0.98	0.92	1.11
IN.	1.42	2.40	2.59	1.76	1.46	4.79	5.07	4.96	2.04	1.12	1.06	1.24

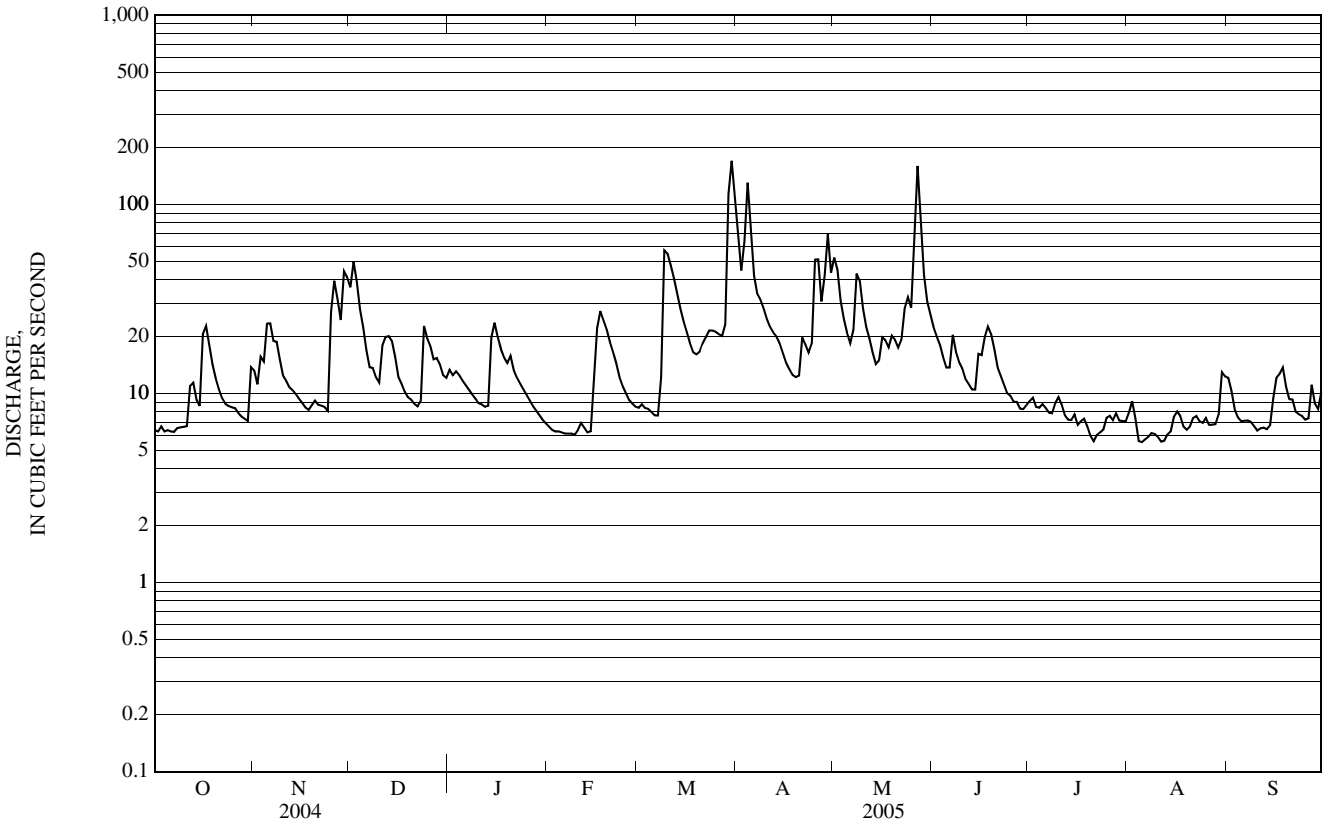
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

MEAN	8.87	14.1	16.3	7.93	9.83	22.2	26.5	17.3	10.7	5.78	7.01	6.21
MAX	15.6	20.6	26.1	11.9	15.8	32.3	35.4	33.5	14.2	7.60	17.3	8.68
(WY)	(2004)	(2004)	(2004)	(2005)	(2002)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)
MIN	4.39	4.50	5.55	4.98	6.60	8.71	18.7	8.64	8.20	4.43	3.77	4.23
(WY)	(2002)	(2002)	(2002)	(2002)	(2004)	(2001)	(2004)	(2001)	(2001)	(2001)	(2002)	(2001)

e Estimated

01021470 LIBBY BROOK NEAR NORTHFIELD, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2000 - 2005	
ANNUAL TOTAL	4,487.7		6,265.8			
ANNUAL MEAN	12.3		17.2		12.8	
HIGHEST ANNUAL MEAN					17.2	2005
LOWEST ANNUAL MEAN					9.16	2001
HIGHEST DAILY MEAN	77	Aug 14	170	Mar 30	170	Mar 30, 2005
LOWEST DAILY MEAN	3.2	Aug 5	5.5	Aug 5	2.7	Jul 26, 2002
ANNUAL SEVEN-DAY MINIMUM	4.1	Aug 1	5.8	Aug 4	3.4	Jul 31, 2002
MAXIMUM PEAK FLOW			228	Mar 29	228	Mar 29, 2005
MAXIMUM PEAK STAGE			5.68	Mar 10	5.68	Mar 4, 2003
INSTANTANEOUS LOW FLOW			4.8	Aug 4	2.2	Jul 26, 2002
ANNUAL RUNOFF (CFSM)	1.57		2.20		1.64	
ANNUAL RUNOFF (INCHES)	21.43		29.92		22.26	
10 PERCENT EXCEEDS	23		31		25	
50 PERCENT EXCEEDS	9.0		11		8.0	
90 PERCENT EXCEEDS	5.6		6.5		4.2	



01021480 OLD STREAM NEAR WESLEY, ME

LOCATION.--Lat 44° 56'13", long 67° 44'10", 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 mi^2.

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, Dec. 15 to Mar. 11, which is fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 655 ft^3/s, Apr. 4, 2005, gage height 6.78 ft; minimum discharge, 1.5 ft^3/s, Sept. 7 and 14, 2001, gage height 3.37 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 260 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 2	1000	279	5.56	Apr 26	0315	402	6.02
Mar 11	- - -	335[a]	- - -	Apr 29	1100	413	6.06
Mar 30	1800	625	6.70	May 27	1400	527	6.42
Apr 4	1530	*655	*6.78				

Minimum discharge, 4.1 ft^3/s, Oct. 9, gage height, 3.52 ft.

[a] Estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.9	16	170	e61	e31	e30	442	319	174	25	14	28
2	5.5	15	270	e55	e29	e30	344	282	142	26	22	28
3	5.4	21	227	e58	e26	e28	387	219	118	23	19	24
4	5.5	23	163	e55	e26	e26	616	171	101	21	17	19
5	5.4	33	126	e51	e24	e25	523	138	88	19	15	15
6	5.0	42	100	e47	e24	e24	385	115	85	19	14	12
7	4.9	38	84	e44	e23	e24	319	116	153	18	13	10
8	4.9	38	76	e41	e23	e33	281	207	129	17	12	8.7
9	4.7	33	67	e39	e23	e182	249	238	101	18	11	9.0
10	4.8	27	60	e38	e25	e308	213	190	81	21	11	7.7
11	4.9	23	70	e35	e32	e335	185	145	73	19	10	6.1
12	19	22	81	e34	e32	306	160	119	63	18	9.5	5.3
13	17	21	79	e34	e30	263	140	97	59	16	9.5	5.1
14	11	21	76	e56	e28	212	127	83	58	15	9.4	4.9
15	12	20	e64	e71	e37	176	113	82	62	17	10	7.2
16	38	19	e55	e66	e53	147	100	102	63	15	8.7	8.3
17	68	19	e48	e59	e77	123	92	106	79	15	7.6	15
18	60	18	e40	e54	e76	103	89	99	99	13	6.8	18
19	45	19	e40	e52	e66	92	82	99	93	14	6.3	17
20	35	20	e39	e51	e60	88	80	96	74	13	5.8	15
21	27	19	e35	e50	e53	89	105	86	61	13	6.1	17
22	23	20	e33	e48	e46	91	109	86	55	12	6.1	14
23	20	19	e35	e47	e41	94	99	135	48	11	5.7	12
24	18	19	e116	e46	e37	94	96	216	42	11	5.7	10
25	16	43	e126	e44	e34	91	303	203	37	11	5.7	8.1
26	15	98	e98	e42	e32	89	369	258	34	11	5.4	6.7
27	14	101	e69	e40	e31	86	254	499	31	11	5.0	10
28	13	82	e71	e39	e29	100	274	407	28	16	4.8	8.6
29	12	168	e66	e38	---	377	394	290	26	13	5.9	8.5
30	11	184	e57	e36	---	585	327	228	26	12	12	12
31	15	---	e54	e33	---	547	---	205	---	12	15	---
TOTAL	545.9	1,241	2,695	1,464	1,048	4,798	7,257	5,636	2,283	495	309.0	370.2
MEAN	17.6	41.4	86.9	47.2	37.4	155	242	182	76.1	16.0	9.97	12.3
MAX	68	184	270	71	77	585	616	499	174	26	22	28
MIN	4.7	15	33	33	23	24	80	82	26	11	4.8	4.9
CFSM	0.61	1.42	2.99	1.62	1.29	5.32	8.31	6.25	2.62	0.55	0.34	0.42
IN.	0.70	1.59	3.45	1.87	1.34	6.13	9.28	7.20	2.92	0.63	0.40	0.47

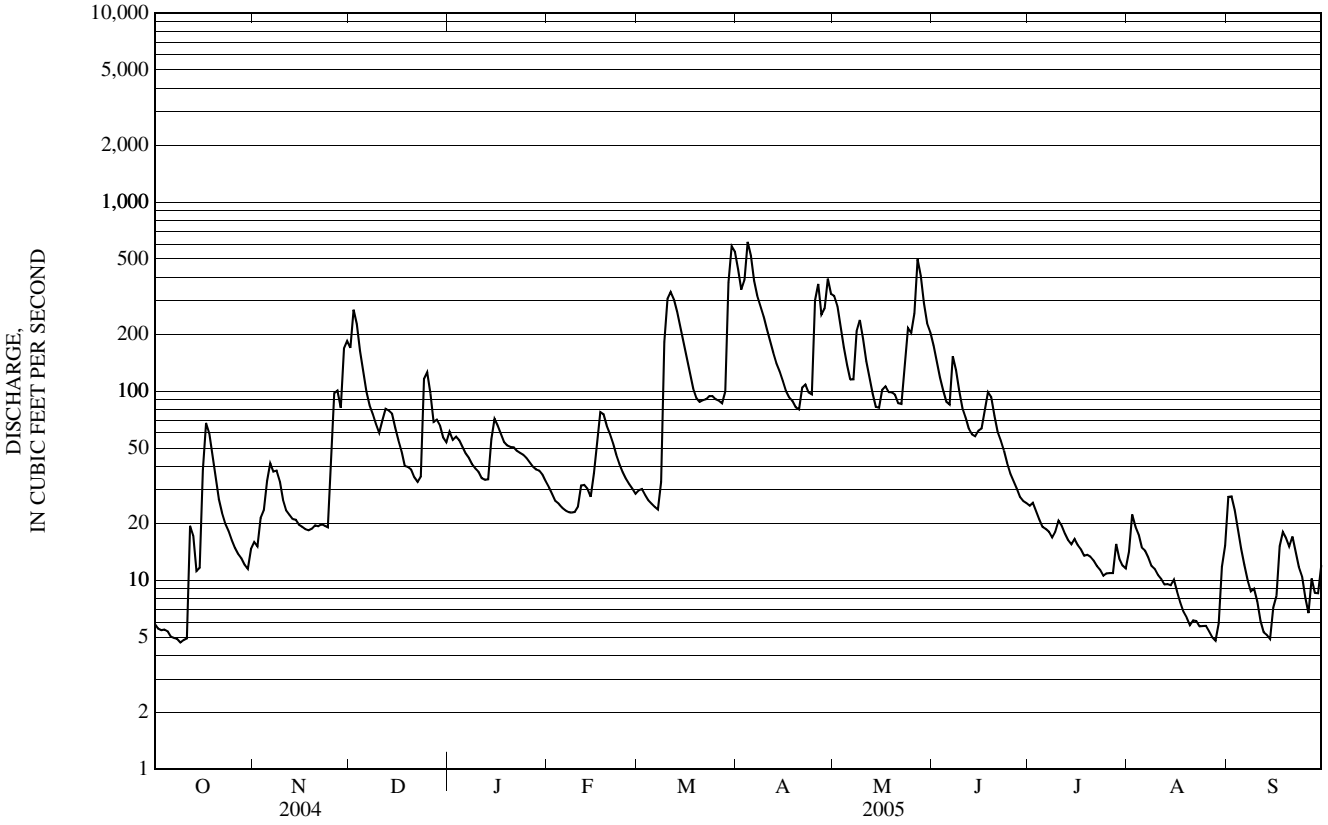
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	23.4	50.6	78.8	47.2	39.8	113	154	77.0	34.7	12.2	11.1	12.1
MAX	58.8	118	164	121	81.6	174	242	182	76.1	18.2	44.0	40.3
(WY)	(2004)	(2004)	(2004)	(1999)	(1999)	(1999)	(2005)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	16,301.9		28,142.1			
ANNUAL MEAN	44.5		77.1		54.7	
HIGHEST ANNUAL MEAN					77.1	2005
LOWEST ANNUAL MEAN					29.1	2001
HIGHEST DAILY MEAN	270	Dec 2	616	Apr 4	616	Apr 4, 2005
LOWEST DAILY MEAN	4.7	Oct 9	4.7	Oct 9	1.6	Sep 12, 2001
ANNUAL SEVEN-DAY MINIMUM	4.9	Oct 5	4.9	Oct 5	1.6	Sep 9, 2001
MAXIMUM PEAK FLOW			655	Apr 4	655	Apr 4, 2005
MAXIMUM PEAK STAGE			6.78	Apr 4	6.78	Apr 4, 2005
INSTANTANEOUS LOW FLOW			4.1	Oct 9	1.5	Sep 7, 2001
ANNUAL RUNOFF (CFSM)	1.53		2.65		1.88	
ANNUAL RUNOFF (INCHES)	20.84		35.98		25.55	
10 PERCENT EXCEEDS	100		209		140	
50 PERCENT EXCEEDS	28		38		27	
90 PERCENT EXCEEDS	12		8.7		4.8	



01021500 MACHIAS RIVER AT WHITNEYVILLE, ME

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

DRAINAGE AREA.--458 mi^2.

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. 9, 16-23 and Dec. 25 to Apr. 1, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,800 ft^3/s, May 29, 1961, gage height, 16.92 ft; minimum daily discharge, 3.5 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 30	1745	Ice Jam	*11.19
Mar 30	- - -	6,400[a]	- - -
Apr 5	0845	*6,690	10.66
Apr 26	1400	4,610	8.67
Apr 29	2100	4,970	9.06
May 9	0445	3,550	7.49
May 28	0415	6,330	10.33

Minimum discharge, 103 ft^3/s, Sept. 15, gage height, 3.08 ft.
[a] Estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	270	327	2,000	e863	e481	e508	e5,680	4,840	2,820	478	253	367
2	260	327	2,870	e873	e459	e543	4,250	4,620	2,510	479	282	427
3	255	358	2,750	e933	e437	e514	3,880	3,790	2,200	465	373	357
4	246	432	2,100	e922	e424	e486	5,790	3,070	1,960	427	350	277
5	239	541	1,610	e871	e410	e470	6,610	2,610	1,760	393	302	220
6	225	752	1,280	e831	e396	e450	5,830	2,280	1,600	371	273	183
7	214	675	1,130	e772	e387	e435	4,650	2,130	1,740	354	251	163
8	231	608	1,150	e713	e383	e482	4,070	3,130	1,910	350	237	148
9	221	583	e1,110	e674	e379	e1,630	3,820	3,510	1,670	331	225	139
10	200	495	997	e666	e396	e2,630	3,500	3,170	1,450	333	227	134
11	189	435	1,050	e622	e565	e2,690	3,190	2,630	1,280	345	227	127
12	231	417	1,290	e601	e611	e2,590	2,900	2,210	1,170	329	212	121
13	347	399	1,290	e574	e585	e2,350	2,670	1,920	1,080	309	206	111
14	369	380	1,240	e608	e516	e2,050	2,470	1,690	1,040	293	202	106
15	318	361	1,010	e1,100	e702	e1,730	2,270	1,550	1,080	292	217	110
16	379	342	e898	e1,070	e1,040	e1,450	2,070	1,680	1,160	290	211	146
17	917	312	e801	e978	e1,350	e1,290	1,910	1,820	1,160	272	198	183
18	877	320	e726	e905	e1,430	e1,180	1,780	1,730	1,380	252	180	284
19	662	311	e688	e856	e1,270	e1,110	1,670	1,720	1,520	239	165	319
20	519	317	e642	e834	e1,060	e1,030	1,570	1,730	1,300	229	154	269
21	427	327	e606	e794	e879	e1,040	1,680	1,590	1,070	219	153	236
22	368	322	e566	e747	e775	e1,050	1,880	1,500	939	207	154	204
23	334	318	e619	e711	e721	e1,090	1,710	1,840	863	194	155	183
24	306	306	1,110	e680	e674	e1,090	1,610	2,680	767	183	154	159
25	287	630	e1,680	e656	e640	e1,050	3,190	2,820	692	181	158	140
26	277	1,560	e1,420	e631	e613	e998	4,540	3,310	634	187	157	131
27	266	1,490	e1,220	e604	e575	e979	4,030	5,850	586	192	148	148
28	249	1,100	e1,070	e576	e537	e1,020	3,600	6,170	550	198	138	179
29	237	1,680	e987	e550	---	e3,240	4,790	5,100	520	283	136	179
30	226	2,400	e929	e526	---	e6,400	4,810	3,720	492	346	218	193
31	257	---	e884	e504	---	e6,300	---	3,130	---	290	310	---
TOTAL	10,403	18,825	37,723	23,245	18,695	49,875	102,420	89,540	38,903	9,311	6,626	5,943
MEAN	336	628	1,217	750	668	1,609	3,414	2,888	1,297	300	214	198
MAX	917	2,400	2,870	1,100	1,430	6,400	6,610	6,170	2,820	479	373	427
MIN	189	306	566	504	379	435	1,570	1,500	492	181	136	106
CFSM	0.73	1.37	2.66	1.64	1.46	3.51	7.45	6.31	2.83	0.66	0.47	0.43
IN.	0.84	1.53	3.06	1.89	1.52	4.05	8.32	7.27	3.16	0.76	0.54	0.48

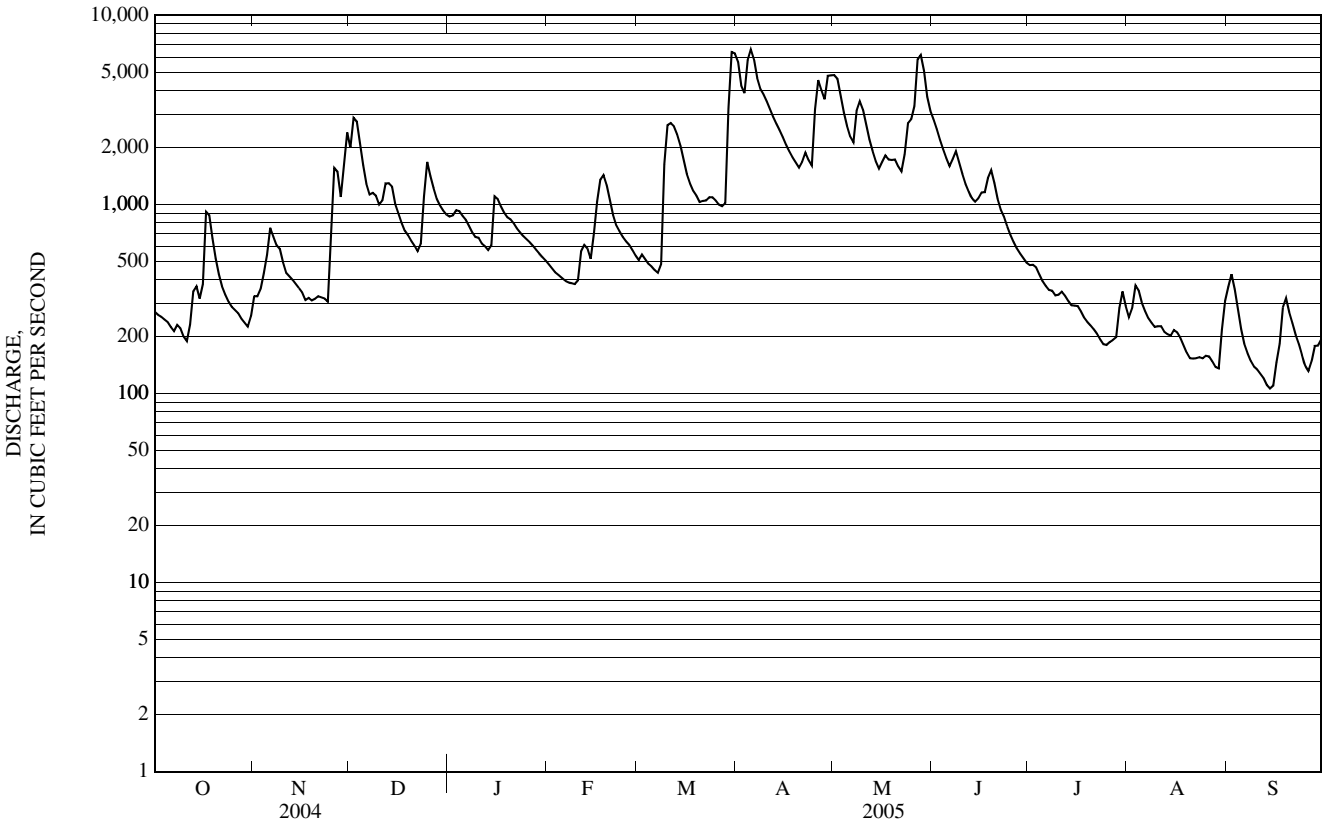
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2005, BY WATER YEAR (WY)

MEAN	529	911	1,019	788	695	1,206	2,408	1,714	854	451	308	331
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1906 - 2005	
ANNUAL TOTAL	252,496		411,509			
ANNUAL MEAN	690		1,127		933	
HIGHEST ANNUAL MEAN					1,498	1973
LOWEST ANNUAL MEAN					542	1966
HIGHEST DAILY MEAN	3,080	Apr 16	6,610	Apr 5	13,900	May 29, 1961
LOWEST DAILY MEAN	165	Aug 12	106	Sep 14	3.5	Oct 12, 1939
ANNUAL SEVEN-DAY MINIMUM	183	Aug 6	121	Sep 9	27	Sep 15, 2001
MAXIMUM PEAK FLOW			6,690	Apr 5	14,800	May 29, 1961
MAXIMUM PEAK STAGE			11.19	Mar 30	16.92	May 29, 1961
INSTANTANEOUS LOW FLOW			103	Sep 15		
ANNUAL RUNOFF (CFSM)	1.51		2.46		2.04	
ANNUAL RUNOFF (INCHES)	20.51		33.42		27.68	
10 PERCENT EXCEEDS	1,510		2,820		2,240	
50 PERCENT EXCEEDS	440		622		555	
90 PERCENT EXCEEDS	256		193		171	



01022210 PLEASANT RIVER ABOVE COLONEL BROOK NEAR CREBO FLAT, ME

LOCATION.--Lat 44° 46'57", long 67° 55'23", Washington County, Hydrologic Unit 01050002, on left bank in T18MDBPP, 1.3 mi above Colonel Brook, 6.6 mi below Pleasant Lake, and 5 mi east of Deblois.

DRAINAGE AREA.--22.3 mi^2.

PERIOD OF RECORD.--Oct. 2004 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 230 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for period of doubtful stage-discharge relation, Oct. 1 to Mar. 30, which is fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 458 ft^3/s, Apr. 4, 2005, gage height, 4.79 ft; minimum discharge, 1.79 ft^3/s, Aug. 29, 2005.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 225 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 30	2015	317	4.46	Apr 29	0900	345	4.55
Apr 4	1215	*458	*4.79	May 26	2215	424	4.74

Minimum discharge, 3.7 ft^3/s, Aug. 29, gage height, 1.79 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	16	107	e52	e24	e29	257	290	147	22	8.2	11
2	8.8	16	146	e47	e23	e31	221	245	126	21	12	11
3	8.5	19	131	e49	e23	e29	282	197	111	20	11	9.6
4	8.3	21	e113	e47	e24	e27	435	163	99	18	10	8.6
5	8.0	25	e99	e44	e24	e25	400	139	89	17	9.4	7.6
6	7.6	30	e82	e41	e23	e24	324	121	81	15	8.9	6.8
7	7.2	28	e68	e41	e22	e23	264	116	80	14	8.2	6.2
8	7.0	29	e64	e39	e22	e36	227	155	76	14	7.6	5.4
9	6.5	28	e57	e38	e22	e157	198	152	69	13	7.2	5.4
10	6.4	25	e52	e36	e24	e167	173	138	62	14	6.9	5.5
11	6.5	23	e58	e35	e33	e156	152	122	57	14	6.6	5.0
12	8.6	22	e59	e32	e33	e139	137	110	53	14	6.2	4.7
13	10	21	e56	e33	e31	e123	125	99	49	14	6.4	4.4
14	9.8	21	e53	e51	e28	e105	115	86	46	13	6.4	4.2
15	9.4	21	e48	e56	e40	e94	105	80	50	14	7.2	4.6
16	17	19	e43	e53	e50	e85	98	85	50	14	6.8	5.5
17	28	18	e41	e52	e65	e75	91	83	54	13	5.8	7.3
18	31	17	e37	e47	e61	e69	86	81	59	13	5.2	10
19	30	16	e36	e43	e55	e64	80	82	60	12	4.9	9.9
20	28	16	e35	e46	e50	e63	73	78	55	11	4.5	9.5
21	25	16	e33	e45	e43	e63	82	72	50	10	4.5	9.5
22	23	16	e32	e40	e42	e64	80	75	47	9.4	4.9	8.9
23	22	16	e33	e39	e41	e64	74	99	43	8.7	4.8	8.2
24	20	15	e77	e38	e37	e64	78	119	38	8.1	4.6	7.5
25	18	26	e75	e36	e35	e64	178	117	33	8.1	5.2	6.9
26	17	53	e68	e33	e33	e63	199	218	30	8.5	5.3	6.8
27	16	57	e59	e32	e32	e62	179	357	28	7.9	4.7	8.8
28	15	53	e60	e29	e28	e71	247	312	26	9.9	4.1	8.2
29	15	89	e55	e28	---	e253	335	251	24	9.0	4.3	8.0
30	13	100	e49	e27	---	e298	293	202	23	7.8	6.4	10
31	15	---	e47	e25	---	290	---	172	---	7.1	8.9	---
TOTAL	455.4	872	1,973	1,254	968	2,877	5,588	4,616	1,815	394.5	207.1	225.0
MEAN	14.7	29.1	63.6	40.5	34.6	92.8	186	149	60.5	12.7	6.68	7.50
MAX	31	100	146	56	65	298	435	357	147	22	12	11
MIN	6.4	15	32	25	22	23	73	72	23	7.1	4.1	4.2
CFSM	0.66	1.30	2.85	1.81	1.55	4.16	8.35	6.68	2.71	0.57	0.30	0.34
IN.	0.76	1.45	3.29	2.09	1.61	4.80	9.32	7.70	3.03	0.66	0.35	0.38

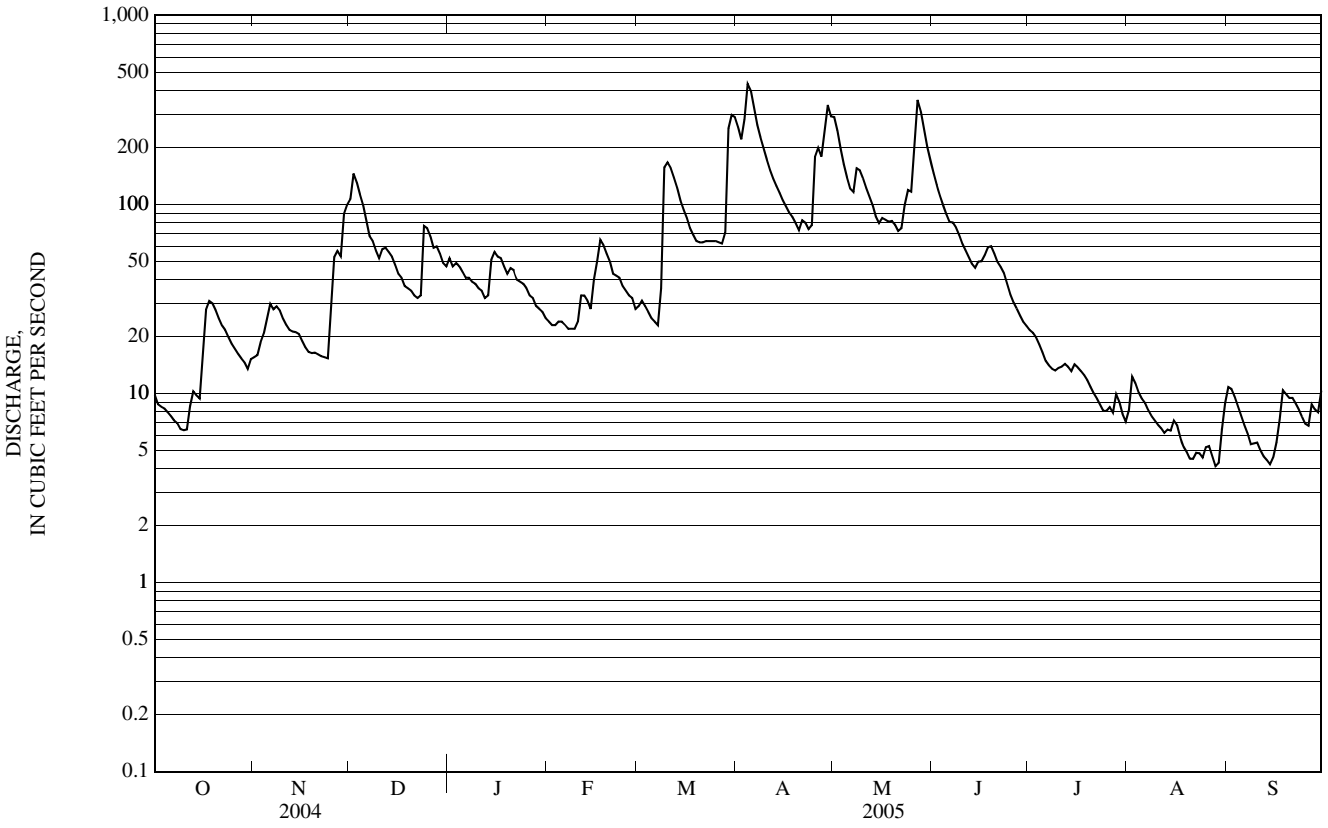
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	14.7	29.1	63.6	40.5	34.6	92.8	186	149	60.5	12.7	6.68	7.50
MAX	14.7	29.1	63.6	40.5	34.6	92.8	186	149	60.5	12.7	6.68	7.50
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
MIN	14.7	29.1	63.6	40.5	34.6	92.8	186	149	60.5	12.7	6.68	7.50
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)

e Estimated

01022210 PLEASANT RIVER ABOVE COLONEL BROOK NEAR CREBO FLAT, ME—Continued

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	21,245.0			
ANNUAL MEAN	58.2		58.2	
HIGHEST ANNUAL MEAN			58.2	2005
LOWEST ANNUAL MEAN			58.2	2005
HIGHEST DAILY MEAN	435	Apr 4	435	Apr 4, 2005
LOWEST DAILY MEAN	4.1	Aug 28	4.1	Aug 28, 2005
ANNUAL SEVEN-DAY MINIMUM	4.7	Aug 23	4.7	Aug 23, 2005
MAXIMUM PEAK FLOW	458	Apr 4	458	Apr 4, 2005
MAXIMUM PEAK STAGE	4.79	Apr 4	4.79	Apr 4, 2005
INSTANTANEOUS LOW FLOW	3.7	Aug 29	3.7	Aug 29, 2005
ANNUAL RUNOFF (CFSM)	2.61		2.61	
ANNUAL RUNOFF (INCHES)	35.44		35.46	
10 PERCENT EXCEEDS	146		146	
50 PERCENT EXCEEDS	33		33	
90 PERCENT EXCEEDS	7.0		7.0	



01022220 PLEASANT RIVER NEAR CREBO FLAT, ME

LOCATION.--Lat 44° 46'08", long 67° 55'24", 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 mi^2

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.--Records good, except for periods of ice effect, Dec. 20-21, Jan. 10-12, Feb. 19-20, and 25-26, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 510 ft^3/s, May 26, 2005, gage height, 6.07 ft; minimum discharge, 3.3 ft^3/s, Sept. 11, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 225 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 10	1400	228	4.99	Apr 25	1200	280	5.23
Mar 29	1645	370	5.59	Apr 28	2330	383	5.64
Apr 3	2115	451	5.88	May 26	2200	*510	*6.07

Minimum discharge, 4.8 ft^3/s, Aug. 29, gage height, 2.94 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	17	111	60	28	33	285	329	177	25	9.1	13
2	9.9	18	162	54	26	35	255	285	152	24	14	13
3	9.7	21	141	56	26	32	320	236	131	23	14	12
4	9.5	23	119	54	27	31	423	196	114	21	12	10
5	9.1	28	102	49	27	29	386	164	100	19	11	9.0
6	8.6	32	85	46	26	27	331	141	90	18	11	8.2
7	8.5	30	73	45	26	26	284	138	92	17	9.6	7.4
8	8.3	31	72	42	25	43	254	203	85	16	8.7	6.6
9	7.9	29	65	41	26	197	224	191	78	16	8.3	6.6
10	7.8	27	59	e40	27	193	195	168	69	17	8.0	6.7
11	7.8	25	67	e37	36	185	171	148	63	17	7.9	6.3
12	10	24	70	e36	37	164	153	129	58	17	7.5	5.8
13	11	23	66	37	34	143	139	113	53	17	8.1	5.7
14	11	23	63	62	31	119	125	97	51	16	7.8	5.5
15	11	22	54	67	46	104	111	90	57	17	8.2	6.1
16	21	20	49	63	60	95	101	98	57	16	7.4	7.0
17	32	19	45	57	80	87	92	95	62	15	6.3	9.0
18	34	18	41	52	74	80	87	93	69	14	6.2	12
19	32	18	40	47	e63	75	81	95	68	14	5.9	12
20	29	18	e37	51	e55	75	75	91	60	13	5.6	11
21	27	18	e36	49	50	75	86	83	54	12	5.7	11
22	25	17	35	44	48	76	83	86	51	12	6.0	10
23	23	17	37	42	45	77	76	123	47	10	5.9	9.8
24	21	17	93	42	41	77	82	151	41	9.4	5.9	8.9
25	20	31	88	40	e38	76	225	143	37	10	6.4	8.3
26	19	57	78	37	e37	75	235	268	34	11	6.4	8.2
27	18	58	65	35	35	74	207	417	31	10	5.8	11
28	17	53	67	32	32	86	288	351	29	12	5.3	9.8
29	16	93	64	31	---	313	367	292	27	11	5.6	9.9
30	15	102	55	30	---	330	322	245	26	9.0	8.1	13
31	17	---	52	29	---	313	---	210	---	7.8	10	---
TOTAL	507.1	929	2,191	1,407	1,106	3,345	6,063	5,469	2,063	466.2	247.7	272.8
MEAN	16.4	31.0	70.7	45.4	39.5	108	202	176	68.8	15.0	7.99	9.09
MAX	34	102	162	67	80	330	423	417	177	25	14	13
MIN	7.8	17	35	29	25	26	75	83	26	7.8	5.3	5.5
CFSM	0.64	1.21	2.77	1.78	1.55	4.23	7.93	6.92	2.70	0.59	0.31	0.36
IN.	0.74	1.36	3.20	2.05	1.61	4.88	8.84	7.98	3.01	0.68	0.36	0.40

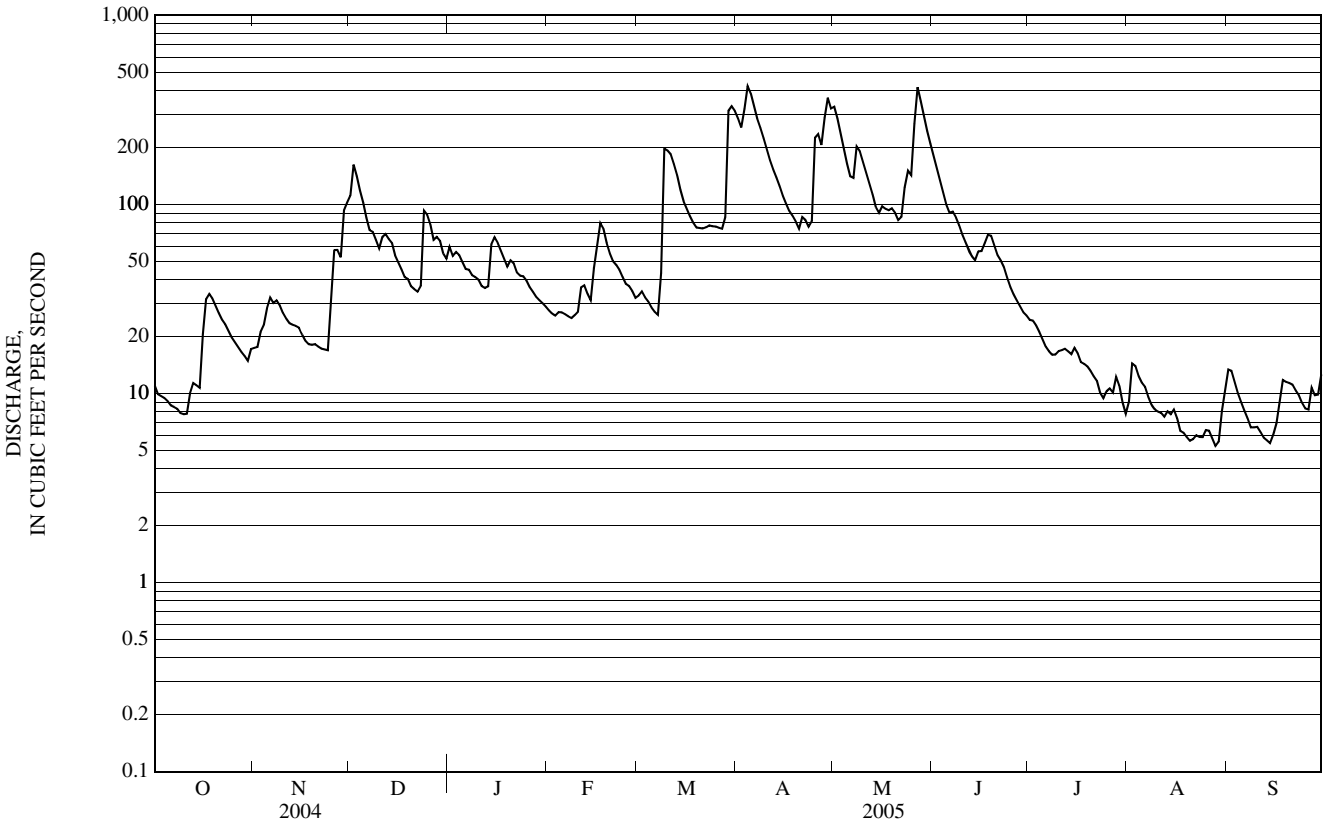
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	25.0	63.1	95.2	45.3	30.9	73.2	138	99.2	47.6	15.5	17.0	9.85
MAX	49.9	110	129	49.3	39.5	108	202	176	68.8	20.2	31.3	19.6
(WY)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)
MIN	8.77	31.0	70.7	41.1	21.2	31.3	87.2	48.6	23.9	11.2	7.99	5.06
(WY)	(2003)	(2005)	(2005)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2005)	(2002)

e Estimated

01022220 PLEASANT RIVER NEAR CREBO FLAT, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	13,767.5		24,066.8			
ANNUAL MEAN	37.6		65.9		55.2	
HIGHEST ANNUAL MEAN					65.9	2005
LOWEST ANNUAL MEAN					47.7	2003
HIGHEST DAILY MEAN	162	Dec 2	423	Apr 4	423	Apr 4, 2005
LOWEST DAILY MEAN	7.8	Oct 10	5.3	Aug 28	3.7	Sep 11, 2002
ANNUAL SEVEN-DAY MINIMUM	8.3	Oct 5	5.9	Aug 18	4.0	Sep 8, 2002
MAXIMUM PEAK FLOW			510	May 26	510	May 26, 2005
MAXIMUM PEAK STAGE			6.07	May 26	6.07	May 26, 2005
INSTANTANEOUS LOW FLOW			4.8	Aug 29	3.3	Sep 11, 2002
ANNUAL RUNOFF (CFSM)	1.48		2.59		2.16	
ANNUAL RUNOFF (INCHES)	20.08		35.11		29.40	
10 PERCENT EXCEEDS	74		169		124	
50 PERCENT EXCEEDS	27		36		33	
90 PERCENT EXCEEDS	14		8.2		9.2	



01022260 PLEASANT RIVER NEAR EPPING, ME

LOCATION.--Lat 44° 41'52", long 67° 47'14", 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 mi^2.

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. 16, 18, 20-22, Dec. 26 to Feb. 28, Mar. 3-7, 9-16, and 21, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,270 ft^3/s, May 28, 2005, gage height, 10.25 ft; maximum gage height, 11.64 ft, Jan. 16, 2004 (backwater from ice); minimum discharge, 10 ft^3/s, Dec. 2, 2002, gage height, 4.72 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 440 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 4	0645	444	7.60
Mar 12	- - -	628[a]	- - -
Mar 30	1845	1,190	10.02
Apr 5	0445	1,060	9.64
Apr 30	0630	907	9.17
May 10	0700	569	8.04
May 28	0200	*1,270	*10.25

Minimum discharge, 24 ft^3/s, Sept. 14-15, gage height, 5.07 ft.

[a] Estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	80	330	e155	e76	108	850	833	547	78	34	70
2	39	71	372	e157	e71	107	712	783	486	80	55	80
3	37	79	398	e145	e68	e104	671	698	419	78	73	60
4	32	96	434	e142	e71	e101	861	595	361	70	58	46
5	31	121	397	e134	e71	e98	1,020	520	311	65	46	39
6	30	159	325	e121	e69	e92	868	444	270	62	43	34
7	28	137	253	e116	e67	e88	725	392	256	61	39	32
8	27	124	208	e111	e66	116	638	408	262	60	35	30
9	27	117	182	e107	e66	e398	581	486	250	60	32	29
10	29	100	165	e105	e75	e497	536	559	220	68	31	27
11	29	88	169	e99	e107	e583	484	503	191	67	30	25
12	39	81	198	e98	e114	e628	430	425	169	62	30	25
13	52	76	208	e94	e101	e538	384	361	152	59	30	25
14	47	72	199	e120	e92	e456	344	306	141	58	32	24
15	44	68	167	e162	e120	e396	309	265	167	64	37	26
16	77	66	e150	e196	e154	e361	274	249	192	64	41	51
17	156	61	136	e179	e207	316	246	252	195	56	35	63
18	153	57	e123	e161	e240	289	226	250	206	51	30	86
19	121	57	113	e150	e210	265	208	254	223	49	28	75
20	99	61	e106	e159	e194	255	194	263	218	48	26	64
21	85	60	e102	e154	e177	e251	205	255	181	45	26	59
22	76	58	e97	e133	e160	271	224	244	150	42	29	52
23	69	57	96	e129	e152	287	224	270	141	40	29	45
24	63	55	163	e127	e147	300	215	324	126	37	28	40
25	59	125	214	e116	e135	287	307	380	113	36	33	36
26	55	235	e229	e110	e124	261	427	496	101	46	34	33
27	52	253	e184	e103	e118	241	616	926	93	47	30	46
28	50	231	e177	e96	e109	244	611	1,190	90	44	28	58
29	46	251	e182	e88	---	455	730	912	86	46	28	48
30	44	290	e151	e83	---	1,010	884	712	81	41	46	59
31	59	---	e142	e78	---	1,050	---	610	---	36	64	---
TOTAL	1,788	3,386	6,370	3,928	3,361	10,453	15,004	15,165	6,398	1,720	1,140	1,387
MEAN	57.7	113	205	127	120	337	500	489	213	55.5	36.8	46.2
MAX	156	290	434	196	240	1,050	1,020	1,190	547	80	73	86
MIN	27	55	96	78	66	88	194	244	81	36	26	24
CFSM	0.95	1.86	3.39	2.09	1.98	5.56	8.25	8.07	3.52	0.92	0.61	0.76
IN.	1.10	2.08	3.91	2.41	2.06	6.42	9.21	9.31	3.93	1.06	0.70	0.85

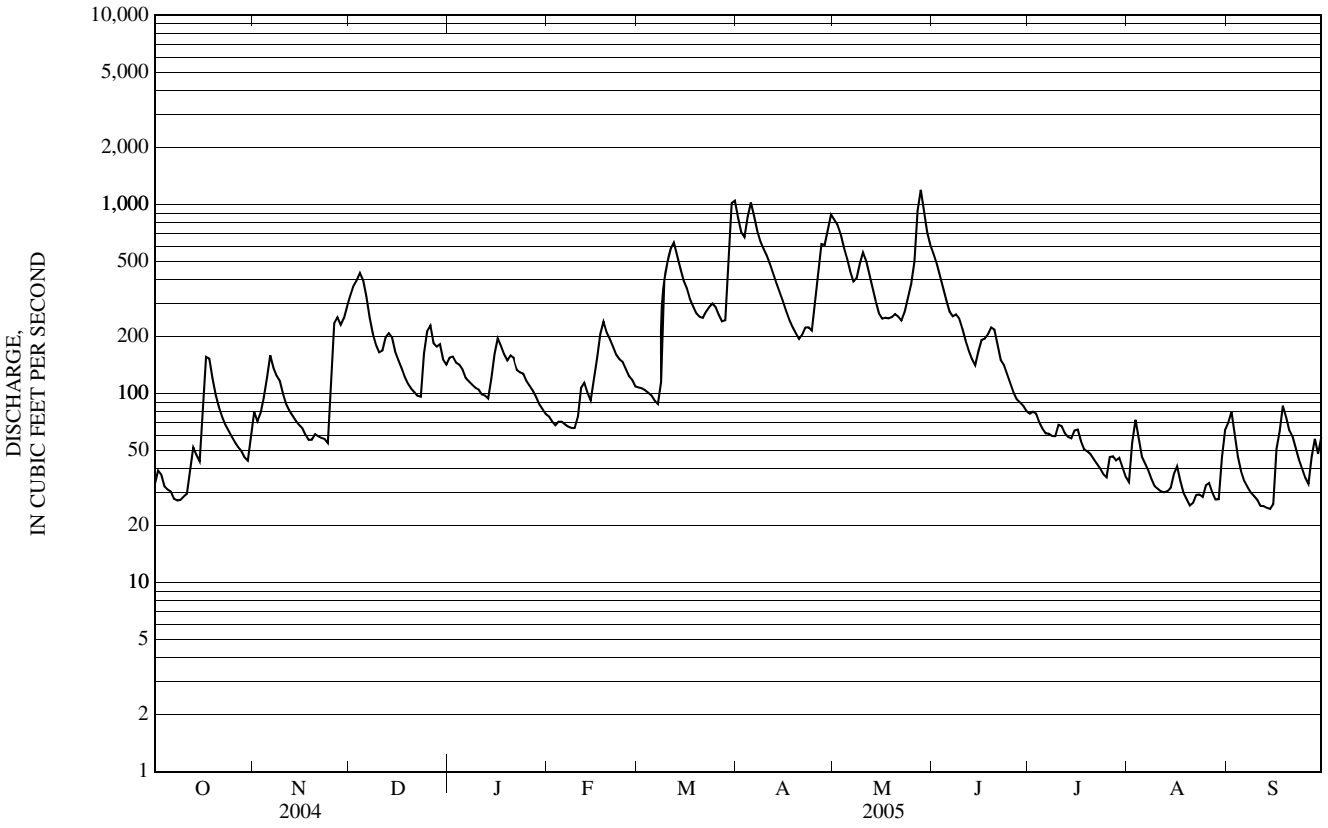
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

MEAN	75.3	148	173	100	141	202	314	199	117	62.0	61.2	55.8
MAX	180	267	315	159	352	337	500	489	270	149	144	140
(WY)	(1982)	(1989)	(1984)	(1982)	(1981)	(2005)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1980 - 2005	
ANNUAL TOTAL	42,267		70,100			
ANNUAL MEAN	115		192		137	
HIGHEST ANNUAL MEAN					194	1984
LOWEST ANNUAL MEAN					83.9	2001
HIGHEST DAILY MEAN	434	Dec 4	1,190	May 28	1,210	May 13, 1989
LOWEST DAILY MEAN	26	Aug 12	24	Sep 14	12	Sep 14, 2001
ANNUAL SEVEN-DAY MINIMUM	29	Oct 5	26	Sep 9	12	Sep 14, 2001
MAXIMUM PEAK FLOW			1,270	May 28	1,270	May 28, 2005
MAXIMUM PEAK STAGE			10.25	May 28	11.64	Jan 16, 2004
INSTANTANEOUS LOW FLOW			24	Sep 14	10	Dec 2, 2002
ANNUAL RUNOFF (CFSM)	1.91		3.17		2.27	
ANNUAL RUNOFF (INCHES)	25.95		43.03		30.82	
10 PERCENT EXCEEDS	227		485		300	
50 PERCENT EXCEEDS	89		113		92	
90 PERCENT EXCEEDS	39		34		33	



01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44° 51'31", long 68° 06'21", 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 mi^2. 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 ft^3/s and 0.050 ft^3/s, which are fair, for flows below 0.050 ft^3/s, periods of ice effect, Dec. 27-31, Jan. 3-14, Jan. 20 to Feb. 14, Feb. 20 to Mar. 7, periods of doubtful stage-discharge relation, Oct. 14-15, 17-23, Nov. 1, 11-17, Aug. 31, Sept. 16, 22-25, and period of no gage-height record, Apr. 20, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18.6 ft^3/s, Mar. 9, 1998, gage height, 6.91 ft; no flow for many days in 1988-2003, and 2005.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2.20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	0320	3.45	5.91	Apr 25	0630	5.96	6.13
Mar 8	2305	2.76	5.83	Apr 28	1225	2.86	5.84
Mar 29	0455	3.89	5.96	May 26	1710	4.94	6.05
Apr 3	1340	*6.30	*6.16				

No discharge for many days in July, August, and September.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.013	e0.036	0.68	0.14	e0.022	e0.025	0.41	0.58	0.19	0.021	0.007	0.067
2	0.011	0.030	0.59	0.10	e0.021	e0.023	0.43	0.32	0.15	0.024	0.033	0.020
3	0.013	0.11	0.25	e0.085	e0.020	e0.022	3.10	0.22	0.12	0.015	0.018	0.009
4	0.012	0.082	0.16	e0.073	e0.019	e0.021	1.09	0.16	0.092	0.011	0.007	0.007
5	0.011	0.20	0.13	e0.063	e0.019	e0.021	0.57	0.13	0.074	0.008	0.005	0.005
6	0.009	0.14	0.098	e0.052	e0.019	e0.020	0.53	0.11	0.083	0.008	0.004	0.004
7	0.008	0.096	0.081	e0.046	e0.019	e0.020	0.43	0.19	0.11	0.008	0.002	0.002
8	0.008	0.082	0.080	e0.043	e0.021	0.45	0.42	0.52	0.071	0.006	0.001	0.001
9	0.007	0.065	0.066	e0.039	e0.025	1.01	0.32	0.34	0.055	0.011	0.001	0.002
10	0.007	0.055	0.060	e0.039	e0.030	0.23	0.25	0.22	0.047	0.014	0.000	0.001
11	0.007	e0.048	0.095	e0.035	e0.025	0.14	0.20	0.16	0.039	0.013	0.000	0.000
12	0.027	e0.042	0.12	e0.032	e0.023	0.11	0.16	0.13	0.033	0.012	0.000	0.000
13	0.019	e0.039	0.098	e0.040	e0.021	0.091	0.16	0.11	0.027	0.009	0.000	0.000
14	e0.015	e0.036	0.081	e0.66	e0.020	0.079	0.15	0.095	0.031	0.008	0.000	0.000
15	e0.014	e0.034	0.066	0.30	0.12	0.074	0.12	0.12	0.066	0.011	0.001	0.001
16	0.26	e0.032	0.059	0.16	0.12	0.073	0.11	0.17	0.062	0.006	0.000	e0.001
17	e0.16	e0.030	0.055	0.11	0.25	0.072	0.10	0.14	0.22	0.004	0.000	0.005
18	e0.098	0.028	0.048	0.087	0.13	0.073	0.092	0.11	0.29	0.004	0.000	0.010
19	e0.069	0.033	0.047	0.073	0.090	0.075	0.082	0.14	0.21	0.004	0.000	0.009
20	e0.055	0.030	0.045	e0.064	e0.069	0.085	e0.095	0.12	0.11	0.003	0.000	0.011
21	e0.044	0.028	0.038	e0.057	e0.059	0.10	0.15	0.10	0.072	0.002	0.000	0.011
22	e0.038	0.027	0.035	e0.052	e0.052	0.12	0.11	0.19	0.076	0.001	0.000	e0.007
23	e0.033	0.025	0.098	e0.047	e0.046	0.14	0.098	0.62	0.058	0.000	0.000	e0.004
24	0.030	0.025	0.80	e0.042	e0.041	0.13	0.20	0.57	0.043	0.000	0.000	e0.003
25	0.028	0.32	0.26	e0.039	e0.038	0.11	1.96	0.34	0.032	0.000	0.000	e0.002
26	0.026	0.37	0.14	e0.036	e0.034	0.12	0.44	1.81	0.025	0.001	0.000	0.003
27	0.024	0.16	e0.10	e0.033	e0.031	0.14	0.24	0.86	0.022	0.001	0.000	0.011
28	0.022	0.16	e0.082	e0.031	e0.027	0.33	1.46	0.40	0.022	0.003	0.000	0.007
29	0.021	1.20	e0.070	e0.028	---	2.24	0.73	0.28	0.019	0.001	0.001	0.013
30	0.021	0.31	e0.061	e0.026	---	0.80	0.37	0.26	0.021	0.000	0.005	0.036
31	0.043	---	e0.068	e0.024	---	0.56	---	0.24	---	0.000	e0.005	---
TOTAL	1.153	3.873	4.661	2.656	1.411	7.504	14.577	9.755	2.470	0.209	0.090	0.252
MEAN	0.04	0.13	0.15	0.09	0.05	0.24	0.49	0.31	0.08	0.01	0.00	0.01
MAX	0.26	1.20	0.80	0.66	0.25	2.24	3.10	1.81	0.29	0.024	0.033	0.067
MIN	0.007	0.025	0.035	0.024	0.019	0.020	0.082	0.095	0.019	0.000	0.000	0.000
CFSM	0.89	3.07	3.58	2.04	1.20	5.76	11.6	7.49	1.96	0.16	0.07	0.20
IN.	1.02	3.43	4.13	2.35	1.25	6.65	12.91	8.64	2.19	0.19	0.08	0.22

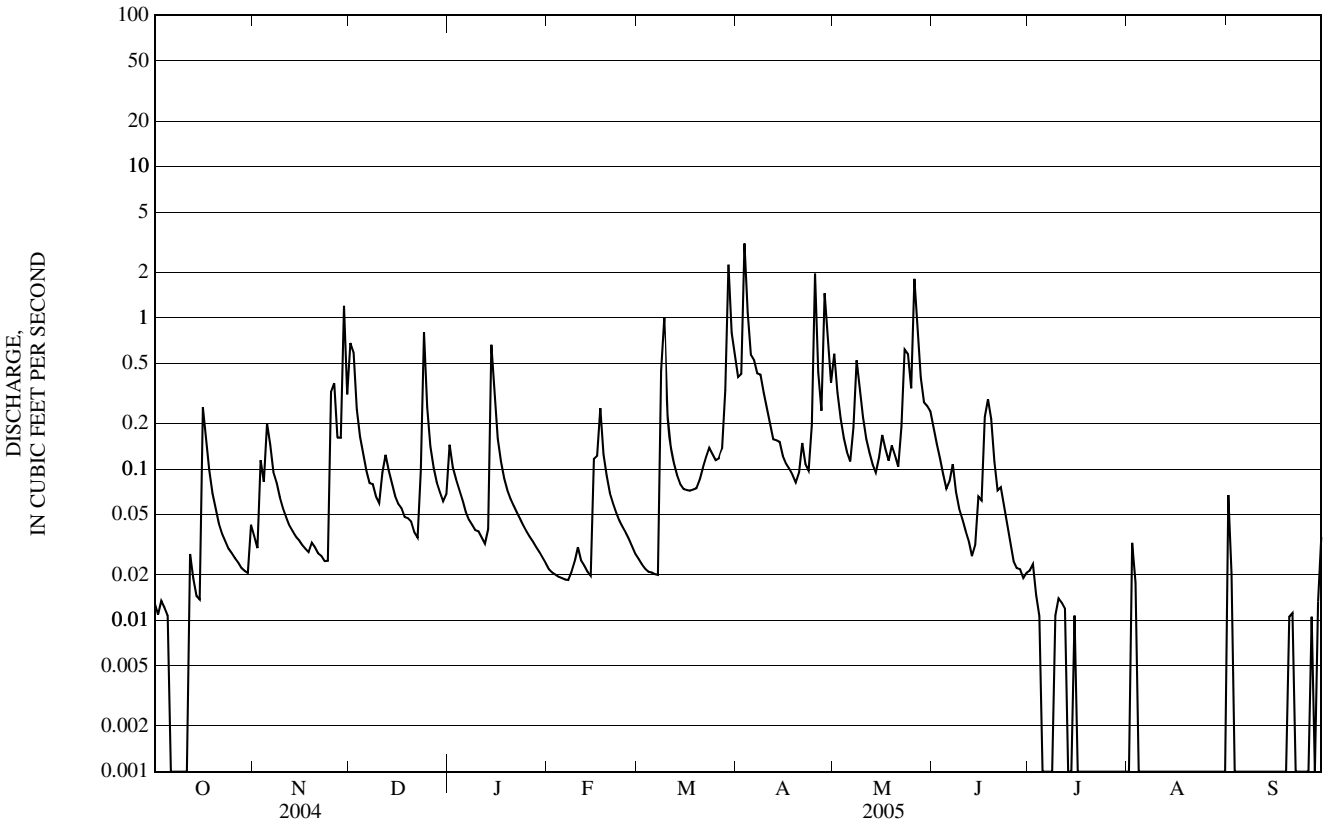
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

MEAN	0.08	0.16	0.15	0.12	0.08	0.21	0.26	0.16	0.06	0.02	0.01	0.02
MAX	0.29	0.34	0.39	0.37	0.22	0.49	0.49	0.49	0.18	0.25	0.09	0.07
(WY)	(2004)	(1996)	(1997)	(1996)	(2002)	(1998)	(2005)	(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)	(1988)	(1991)	(1993)	(1993)

e Estimated

01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1988 - 2005	
ANNUAL TOTAL	30.808		48.611			
ANNUAL MEAN	0.08		0.13		0.11	
HIGHEST ANNUAL MEAN					0.17	1996
LOWEST ANNUAL MEAN					0.06	2001
HIGHEST DAILY MEAN	1.20	Nov 29	3.10	Apr 3	4.95	Mar 27, 1988
LOWEST DAILY MEAN	0.003	Feb 19	0.000	Jul 23	0.000	Jun 14, 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Feb 19	0.00	Aug 16	0.00	Jun 14, 1988
MAXIMUM PEAK FLOW			6.3	Apr 3	19	Mar 9, 1998
MAXIMUM PEAK STAGE			6.16	Apr 3	6.91	Mar 9, 1998
INSTANTANEOUS LOW FLOW			0.00	Jul 23	0.00	Jun 20, 1988
ANNUAL RUNOFF (CFSM)	2.00		3.17		2.67	
ANNUAL RUNOFF (INCHES)	27.29		43.06		36.26	
10 PERCENT EXCEEDS	0.20		0.32		0.26	
50 PERCENT EXCEEDS	0.04		0.04		0.04	
90 PERCENT EXCEEDS	0.01		0.00		0.00	



01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44° 51'32", long 68° 06'22", 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 mi^2. 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 ft^3/s and 0.050 ft^3/s, which are fair, flows below 0.050 ft^3/s, periods of ice effect, Dec. 13-22, 27-31, Jan. 18-25, Jan. 27 to Feb. 14, Feb. 20 to Mar. 3, periods of doubtful stage-discharge relation, Oct. 7, 17-21, 23-30, Nov. 2, 8-10, Apr. 28, Aug. 29, and period of no gage-height record, Apr. 20, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16.4 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	0310	2.59	5.81	Apr 25	0645	5.72	6.12
Mar 8	2335	2.98	5.86	Apr 28	1350	2.34	5.78
Mar 29	0445	3.75	5.94	May 26	1710	4.58	6.02
Apr 3	1500	*5.76	*6.12				

Minimum discharge, 0.001 ft^3/s, on many days, gage height, 5.03 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.019	0.034	0.66	0.11	e0.032	e0.037	0.35	0.52	0.17	0.027	0.020	0.046
2	0.017	e0.030	0.66	0.091	e0.031	e0.035	0.37	0.29	0.14	0.025	0.039	0.015
3	0.020	0.085	0.26	0.083	e0.030	e0.034	2.83	0.20	0.11	0.019	0.019	0.008
4	0.018	0.064	0.17	0.075	e0.029	0.032	1.13	0.15	0.092	0.015	0.009	0.005
5	0.017	0.15	0.14	0.068	e0.029	0.031	0.56	0.13	0.077	0.014	0.008	0.004
6	0.016	0.11	0.11	0.060	e0.028	0.031	0.49	0.11	0.082	0.015	0.006	0.004
7	e0.015	0.081	0.099	0.058	e0.028	0.030	0.42	0.17	0.096	0.014	0.005	0.003
8	0.014	e0.071	0.098	0.055	e0.032	0.44	0.41	0.45	0.069	0.012	0.003	0.003
9	0.014	e0.060	0.086	0.052	e0.036	0.90	0.31	0.29	0.056	0.019	0.003	0.006
10	0.014	e0.051	0.079	0.052	e0.037	0.20	0.25	0.19	0.049	0.020	0.002	0.003
11	0.014	0.045	0.11	0.048	e0.033	0.13	0.20	0.15	0.041	0.019	0.003	0.003
12	0.032	0.041	0.13	0.045	e0.031	0.10	0.16	0.12	0.037	0.017	0.002	0.002
13	0.023	0.040	e0.10	0.053	e0.029	0.088	0.16	0.11	0.030	0.014	0.003	0.002
14	0.020	0.038	e0.083	0.60	e0.028	0.080	0.15	0.095	0.033	0.015	0.003	0.003
15	0.020	0.036	e0.072	0.28	0.094	0.077	0.13	0.11	0.061	0.016	0.005	0.008
16	0.21	0.035	e0.064	0.14	0.100	0.077	0.12	0.15	0.059	0.011	0.003	0.006
17	e0.12	0.034	e0.060	0.11	0.22	0.075	0.11	0.12	0.18	0.008	0.002	0.016
18	e0.080	0.034	e0.054	e0.089	0.12	0.075	0.10	0.10	0.22	0.009	0.002	0.017
19	e0.059	0.037	e0.053	e0.074	0.086	0.074	0.093	0.12	0.16	0.008	0.001	0.013
20	e0.048	0.036	e0.051	e0.066	e0.070	0.079	e0.098	0.10	0.093	0.006	0.002	0.016
21	e0.040	0.034	e0.046	e0.060	e0.062	0.086	0.13	0.090	0.063	0.004	0.004	0.014
22	0.035	0.033	e0.040	e0.057	e0.056	0.092	0.10	0.15	0.063	0.004	0.003	0.009
23	e0.032	0.031	0.076	e0.053	e0.051	0.10	0.091	0.48	0.051	0.003	0.002	0.008
24	e0.030	0.032	0.66	e0.050	e0.048	0.096	0.18	0.48	0.035	0.003	0.003	0.006
25	e0.028	0.23	0.24	e0.047	e0.045	0.088	1.95	0.26	0.030	0.006	0.004	0.006
26	e0.028	0.35	0.14	0.044	e0.043	0.089	0.40	1.63	0.024	0.005	0.002	0.010
27	e0.026	0.16	e0.10	e0.041	e0.040	0.098	0.21	0.86	0.023	0.006	0.001	0.016
28	e0.025	0.15	e0.082	e0.039	e0.039	0.22	1.32	0.36	0.024	0.009	0.001	0.009
29	e0.024	1.23	e0.074	e0.038	---	2.17	0.72	0.24	0.023	0.004	e0.007	0.018
30	e0.024	0.32	e0.066	e0.036	---	0.73	0.34	0.23	0.026	0.003	0.017	0.036
31	0.039	---	e0.073	e0.033	---	0.49	---	0.21	---	0.002	0.015	---
TOTAL	1.121	3.682	4.736	2.707	1.507	6.884	13.882	8.665	2.217	0.352	0.199	0.315
MEAN	0.04	0.12	0.15	0.09	0.05	0.22	0.46	0.28	0.07	0.01	0.01	0.01
MAX	0.21	1.23	0.66	0.60	0.22	2.17	2.83	1.63	0.22	0.027	0.039	0.046
MIN	0.014	0.030	0.040	0.033	0.028	0.030	0.091	0.090	0.023	0.002	0.001	0.002
CFSM	0.90	3.07	3.82	2.18	1.35	5.55	11.6	6.99	1.85	0.28	0.16	0.26
IN.	1.04	3.42	4.40	2.52	1.40	6.40	12.91	8.06	2.06	0.33	0.19	0.29

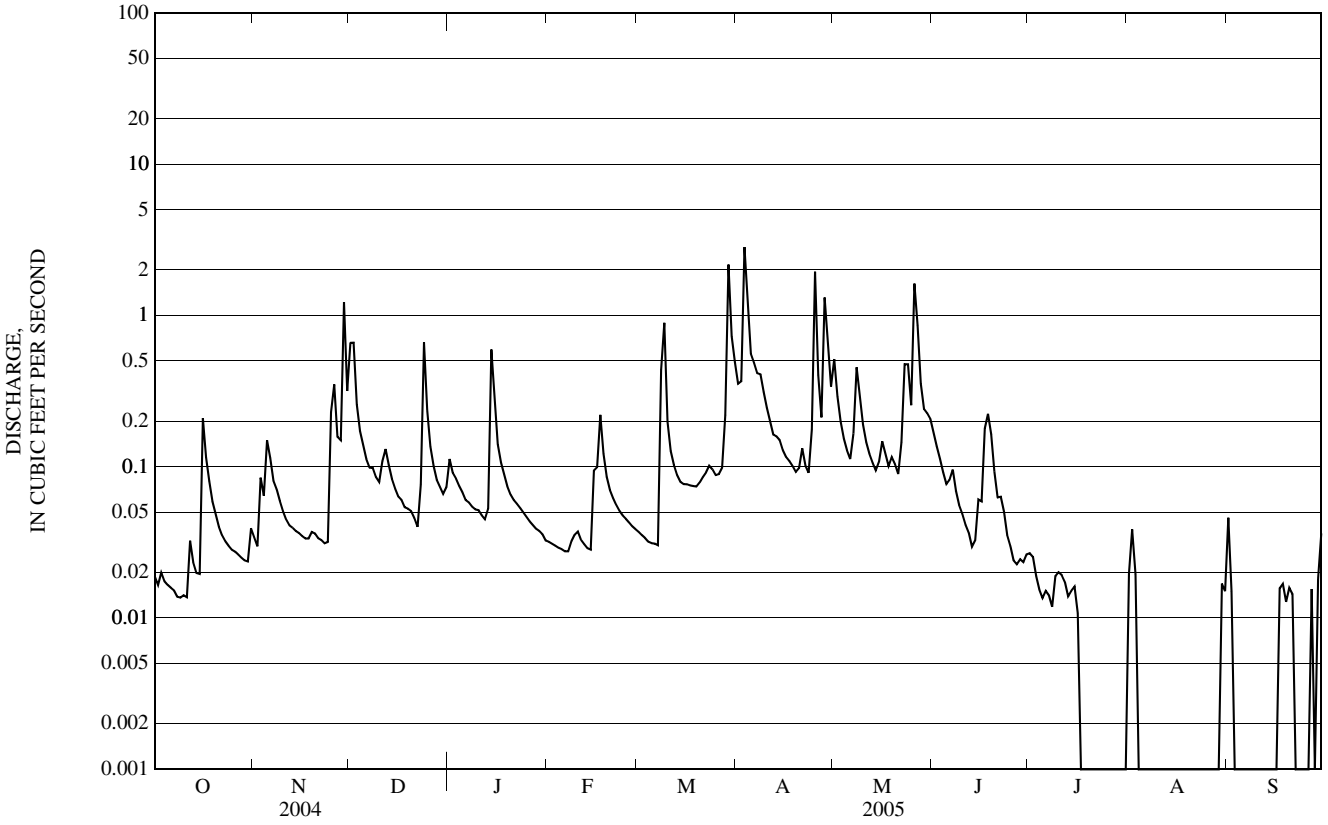
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2005, BY WATER YEAR (WY)

MEAN	0.08	0.15	0.15	0.11	0.08	0.20	0.26	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
(WY)	(2004)	(1996)	(1994)	(1996)	(1998)	(1998)	(1993)	(1989)	(1998)	(1996)	(2004)	(1999)
MIN	0.00	0.01	0.03	0.02	0.01	0.02	0.11	0.05	0.02	0.00	0.00	0.00
(WY)	(2002)	(2002)	(1990)	(1989)	(2004)	(2001)	(1999)	(2001)	(1988)	(1991)	(1993)	(2000)

e Estimated

01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1988 - 2005	
ANNUAL TOTAL	28.684		46.267			
ANNUAL MEAN	0.08		0.13		0.11	
HIGHEST ANNUAL MEAN					0.15	1996
LOWEST ANNUAL MEAN					0.06	2001
HIGHEST DAILY MEAN	1.23	Nov 29	2.83	Apr 3	4.25	Mar 27, 1988
LOWEST DAILY MEAN	0.008	Feb 2	0.001	Aug 19	0.000	Jul 16, 1988
ANNUAL SEVEN-DAY MINIMUM	0.01	Feb 23	0.00	Aug 17	0.00	Aug 30, 1999
MAXIMUM PEAK FLOW			5.8	Apr 3	16	Mar 9, 1998
MAXIMUM PEAK STAGE			6.12	Apr 3	6.75	Mar 9, 1998
INSTANTANEOUS LOW FLOW			0.00	Jul 24	0.00	Aug 1, 1991
ANNUAL RUNOFF (CFSM)	1.96		3.17		2.73	
ANNUAL RUNOFF (INCHES)	26.68		43.03		37.16	
10 PERCENT EXCEEDS	0.16		0.27		0.24	
50 PERCENT EXCEEDS	0.04		0.05		0.05	
90 PERCENT EXCEEDS	0.01		0.00		0.00	



01022330 NARRAGUAGUS RIVER AT DEBLOIS, ME

LOCATION.--Lat 44° 44'27", long 68° 00'48", Washington County, Hydrologic Unit 01050002, on left bank 30 ft upstream from State Route 193 highway bridge at Deblois.
DRAINAGE AREA.--96.5 mi^2.
PERIOD OF RECORD.--
DISCHARGE: September 2002 to current year.
GAGE.--Water-stage recorder. Datum of gage is 18.34 ft above National Geodetic Vertical Datum of 1929.
REMARKS.--Records good, except for periods of ice effect, Dec. 15-16, 18, 21-22, and Dec. 27 to Mar. 13, which are fair. Satellite telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,130 ft^3/s, Apr. 4, 2005, gage height, 5.81 ft; minimum discharge, 14 ft^3/s, Sept. 10-11, 2002, gage height, 1.37 ft.
REVISIONS.--The maximum discharges for water years 2003-2004, and peak discharges greater than base discharge for water years 2003-2004 have been revised, as shown in the following table. These values supercede those published in the report of those years.

Water Year	Date	Discharge (ft^3/s)	Gage height (ft)	Water Year	Date	Discharge (ft^3/s)	Gage height (ft)
2003	Dec. 22, 2002	1,310	4.90	2004	Nov. 22, 2003	1,240	4.81
2003	Mar. 31, 2003	1,650	5.31	2004	Dec. 19, 2003	996	4.47
2004	Oct. 30, 2003	1,210	4.77	2004	Dec. 26, 2003	1,080	4.59

Daily discharge for water year 2003 have been revised, as shown in the following table. These values supercede those published in the report for that year.
Mar. 31, 2003.....1,540 Apr. 1, 2003.....1,430
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)
Mar 9	- - -	800[a]	- - -	Apr 26	1145	1,290	4.88
Mar 31	0130	1,620	5.28	Apr 29	1800	1,440	5.07
Apr 4	1145	*2,130	*5.81	May 27	1800	1,680	5.34

Minimum discharge, 26 ft^3/s, Sept. 13-15, gage height, 1.59 ft.
[a] Estimated daily discharge.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	65	555	e184	e104	e127	1,250	1,100	606	89	75	64
2	45	63	681	e197	e101	e132	1,010	963	518	90	105	68
3	50	75	725	e206	e98	e123	1,100	801	442	85	129	69
4	48	79	571	e202	e100	e116	1,930	660	384	79	120	62
5	47	100	437	e190	e101	e111	1,730	556	339	74	102	53
6	43	125	345	e181	e99	e103	1,280	480	307	78	88	46
7	42	135	282	e171	e96	e100	1,050	455	321	78	73	41
8	41	132	262	e161	e94	e152	925	615	348	72	64	37
9	41	116	240	e151	e94	e800	837	775	326	74	57	38
10	41	102	217	e144	e99	e759	737	711	287	78	52	35
11	41	91	222	e135	e142	e667	645	587	252	79	49	31
12	50	85	237	e131	e138	e610	568	484	224	76	45	29
13	50	82	246	e129	e128	e539	513	407	202	72	46	28
14	52	78	238	e158	e118	457	468	359	183	70	44	27
15	54	72	e204	e250	e172	374	430	334	197	75	49	30
16	83	69	e186	e236	e242	314	395	353	214	70	46	38
17	129	66	165	e217	e324	282	365	376	241	67	45	42
18	154	65	e156	e203	e343	265	339	369	310	63	41	47
19	141	65	146	e187	e294	248	319	353	333	60	38	48
20	119	64	145	e180	e249	239	303	345	297	58	36	50
21	100	65	e134	e174	e218	244	333	327	246	54	36	50
22	87	65	e127	e162	e195	254	364	322	211	52	39	46
23	78	63	124	e155	e177	262	362	396	179	50	38	44
24	72	62	270	e157	e161	281	352	564	154	46	38	40
25	68	94	393	e149	e140	278	713	617	138	46	41	36
26	65	174	375	e140	e135	273	1,230	753	125	48	37	35
27	63	219	e307	e129	e131	271	1,040	1,460	113	49	35	44
28	60	208	e255	e123	e126	295	985	1,450	105	61	32	40
29	56	322	e219	e118	---	749	1,360	1,080	100	82	35	40
30	54	543	e202	e114	---	1,440	1,270	829	93	91	51	53
31	62	---	e190	e110	---	1,470	---	696	---	79	57	---
TOTAL	2,081	3,544	8,856	5,144	4,419	12,335	24,203	19,577	7,795	2,145	1,743	1,311
MEAN	67.1	118	286	166	158	398	807	632	260	69.2	56.2	43.7
MAX	154	543	725	250	343	1,470	1,930	1,460	606	91	129	69
MIN	41	62	124	110	94	100	303	322	93	46	32	27
CFSM	0.70	1.22	2.96	1.72	1.64	4.12	8.36	6.54	2.69	0.72	0.58	0.45
IN.	0.80	1.37	3.41	1.98	1.70	4.76	9.33	7.55	3.00	0.83	0.67	0.51

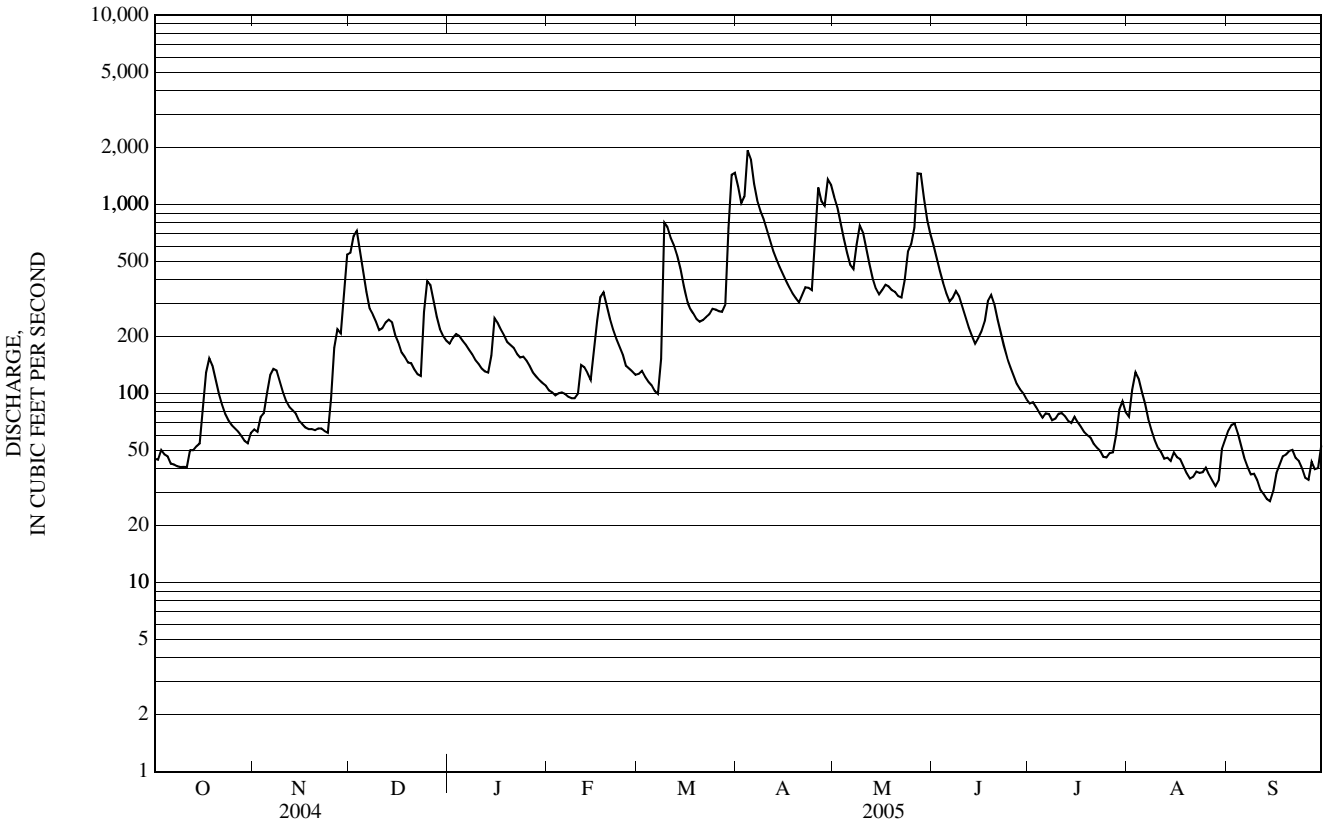
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	127	249	380	158	114	274	557	370	187	62.7	68.0	45.1
MAX	277	466	513	186	158	398	807	632	260	76.6	112	84.8
(WY)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)
MIN	35.1	118	286	123	70.4	111	341	213	98.0	42.1	36.1	21.9
(WY)	(2003)	(2005)	(2005)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2002)

e Estimated

01022330 NARRAGUAGUS RIVER AT DEBLOIS, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	53,894		93,153			
ANNUAL MEAN	147		255		217	
HIGHEST ANNUAL MEAN					255	2005
LOWEST ANNUAL MEAN					183	2003
HIGHEST DAILY MEAN	734	Apr 16	1,930	Apr 4	1,930	Apr 4, 2005
LOWEST DAILY MEAN	41	Oct 8	27	Sep 14	15	Sep 8, 2002
ANNUAL SEVEN-DAY MINIMUM	42	Oct 5	31	Sep 9	16	Sep 7, 2002
MAXIMUM PEAK FLOW			2,130	Apr 4	2,130	Apr 4, 2005
MAXIMUM PEAK STAGE			5.81	Apr 4	5.81	Apr 4, 2005
INSTANTANEOUS LOW FLOW			26	Sep 13	14	Sep 9, 2002
ANNUAL RUNOFF (CFSM)	1.53		2.64		2.25	
ANNUAL RUNOFF (INCHES)	20.78		35.91		30.54	
10 PERCENT EXCEEDS	306		651		491	
50 PERCENT EXCEEDS	99		135		124	
90 PERCENT EXCEEDS	56		44		41	



01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME

LOCATION.--Lat 44° 36'29", long 67° 56'07", 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 mi^2.

WATER-DISCHARGE RECORDS

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 periods of ice effect, Dec. 28 to Jan. 13, Jan. 16 to Mar. 8, period of doubtful gage-height record, Feb. 23 to July 26, and periods of no gage-height record, Nov. 26-28, Dec. 1-2, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft^3/s, May 28, 1961, gage height, 17.40 ft; minimum discharge, 3.0 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 10	0230	2,290	11.85	Apr 26	0815	2,950	12.52
Mar 30	0000	4,730	14.03	Apr 29	1215	3,930	13.39
Apr 4	1945	4,690	14.00	May 27	1045	*5,580	*14.64

Minimum discharge, 52 ft^3/s, Sept. 14, gage height, 7.33 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	196	e1,270	e449	e194	e237	3,150	2,930	1,290	181	122	199
2	95	178	e2,050	e435	e187	e245	2,440	2,480	1,070	186	198	208
3	97	224	1,720	e448	e182	e237	2,700	1,910	896	178	299	171
4	97	272	1,370	e454	e185	e224	4,390	1,480	765	164	269	140
5	92	391	1,000	e410	e187	e211	4,330	1,170	661	152	216	115
6	86	475	749	e350	e185	e197	3,260	972	589	147	180	97
7	82	407	593	e345	e178	e191	2,380	937	688	151	148	86
8	81	394	567	e320	e171	e255	1,970	1,670	696	144	125	77
9	79	356	534	e310	e168	1,720	1,800	1,790	626	155	109	71
10	79	297	477	e290	e179	2,210	1,540	1,580	545	192	99	69
11	79	261	560	e285	e260	2,030	1,300	1,260	481	184	93	63
12	98	238	676	e269	e272	1,790	1,120	1,010	426	169	86	60
13	116	222	649	e262	e255	1,500	1,000	818	388	157	87	57
14	109	212	617	455	e232	1,210	904	694	355	148	87	54
15	107	196	481	758	e328	958	812	629	459	165	105	60
16	228	183	405	e680	e584	812	736	704	523	160	105	94
17	438	172	399	e595	e804	744	674	746	563	143	93	110
18	409	164	333	e510	e810	690	627	737	686	131	85	141
19	350	165	343	e449	e703	666	577	743	711	125	76	132
20	291	173	331	e395	e588	678	548	725	614	122	71	121
21	242	166	285	e368	e473	727	663	666	500	114	70	117
22	209	166	261	e338	e395	765	731	644	418	103	75	105
23	185	163	292	e317	e347	823	694	981	370	98	75	93
24	167	157	709	e301	e311	834	696	1,430	318	91	72	86
25	154	448	891	e283	e288	808	1,960	1,420	283	92	83	77
26	144	e928	787	e261	e276	799	2,860	2,580	254	106	86	73
27	138	e760	573	e246	e260	764	2,480	5,230	228	105	80	105
28	134	e610	e534	e231	e238	854	2,630	4,090	214	111	71	107
29	124	989	e470	e221	---	3,480	3,770	2,890	204	121	70	99
30	117	1,290	e414	e212	---	4,350	3,270	2,040	193	139	102	136
31	157	---	e375	e203	---	3,850	---	1,580	---	134	156	---
TOTAL	4,879	10,853	20,715	11,450	9,240	34,859	56,012	48,536	16,014	4,368	3,593	3,123
MEAN	157	362	668	369	330	1,124	1,867	1,566	534	141	116	104
MAX	438	1,290	2,050	758	810	4,350	4,390	5,230	1,290	192	299	208
MIN	79	157	261	203	168	191	548	629	193	91	70	54
CFSM	0.69	1.59	2.94	1.63	1.45	4.95	8.22	6.90	2.35	0.62	0.51	0.46
IN.	0.80	1.78	3.39	1.88	1.51	5.71	9.18	7.95	2.62	0.72	0.59	0.51

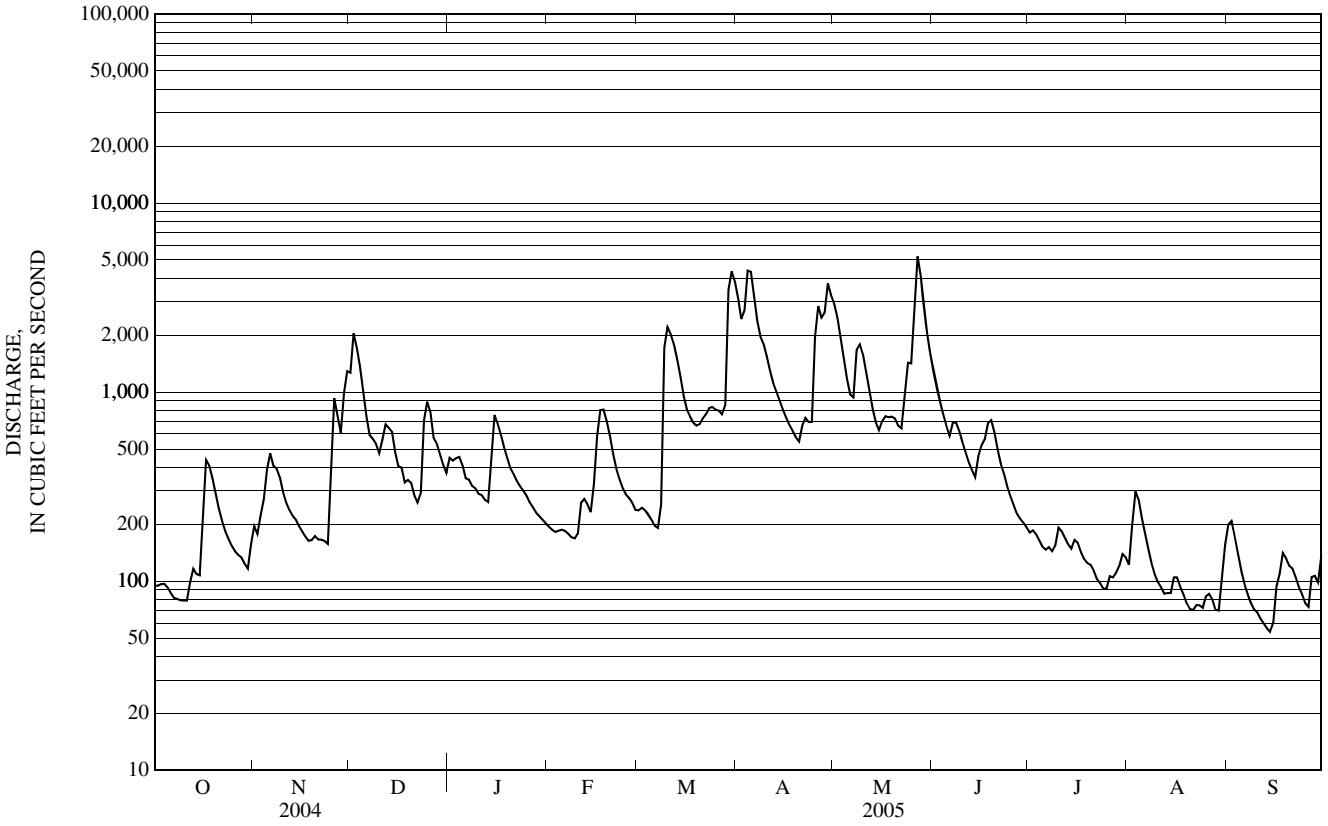
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2005, BY WATER YEAR (WY)

MEAN	262	567	642	498	464	737	1,207	682	340	187	130	159
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1948 - 2005	
ANNUAL TOTAL	127,172		223,642			
ANNUAL MEAN	347		613		489	
HIGHEST ANNUAL MEAN					761	1973
LOWEST ANNUAL MEAN					256	2001
HIGHEST DAILY MEAN	2,050	Dec 2	5,230	May 27	9,490	May 28, 1961
LOWEST DAILY MEAN	76	Aug 7	54	Sep 14	7.1	Sep 5, 1978
ANNUAL SEVEN-DAY MINIMUM	83	Oct 5	62	Sep 9	20	Sep 15, 2001
MAXIMUM PEAK FLOW			5,580	May 27	10,400	May 28, 1961
MAXIMUM PEAK STAGE			14.64	May 27	17.40	May 28, 1961
INSTANTANEOUS LOW FLOW			52	Sep 14	3.0	Sep 2, 1978
ANNUAL RUNOFF (CFSM)	1.53		2.70		2.16	
ANNUAL RUNOFF (INCHES)	20.84		36.65		29.29	
10 PERCENT EXCEEDS	739		1,560		1,140	
50 PERCENT EXCEEDS	222		292		297	
90 PERCENT EXCEEDS	112		93		72	



01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL ANALYSES: Water years 1954, 1978 to 1986.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1978 to September 1981.
WATER TEMPERATURE: January 1978 to September 1981. Seasonal records (June to September) water years 2004 to current year.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 27.5 C July 22, 2005: minimum, 0.0 C on many days during winter periods, 1978-1981.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 27.5° C, July 22; minimum, 11.9° C, June 1.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	14.8	11.9	13.2	23.0	21.0	22.0	23.5	22.3	22.9	22.3	20.9	21.6
2	16.5	14.2	15.3	22.1	20.4	21.1	23.4	22.0	22.6	22.7	21.9	22.2
3	17.3	16.0	16.5	22.9	21.0	21.7	23.4	22.3	23.0	22.7	21.9	22.2
4	19.1	16.8	17.9	23.1	21.4	22.1	23.2	22.0	22.6	22.6	21.1	21.8
5	19.8	18.4	19.0	23.0	21.4	22.2	22.8	22.0	22.3	22.1	20.4	21.1
6	19.0	16.6	18.1	22.1	20.7	21.6	23.5	21.9	22.6	21.8	19.6	20.6
7	17.8	15.5	16.5	20.7	19.4	20.0	23.9	22.5	23.1	22.1	19.2	20.4
8	19.5	17.5	18.4	20.0	19.2	19.6	24.8	22.3	23.4	22.3	19.3	20.7
9	21.3	19.1	20.1	19.8	18.8	19.4	25.7	22.7	24.1	21.9	19.8	20.9
10	21.6	20.1	20.8	19.2	18.3	18.7	26.7	23.6	25.0	21.4	19.6	20.5
11	22.8	20.3	21.5	20.5	18.8	19.7	26.8	24.2	25.3	20.8	18.9	19.7
12	22.6	21.4	22.0	22.0	20.2	21.0	25.7	23.8	24.7	20.7	18.7	19.6
13	24.0	21.5	22.6	21.7	20.9	21.3	26.3	23.3	24.6	19.7	18.5	19.2
14	23.6	20.3	21.9	21.9	20.9	21.2	25.0	23.6	24.2	19.3	18.7	19.0
15	20.3	16.5	18.1	22.9	20.8	21.9	24.1	23.0	23.4	19.0	18.6	18.8
16	16.5	15.2	15.6	24.0	22.4	23.1	24.1	22.2	23.0	18.8	18.5	18.6
17	15.2	14.4	14.7	24.8	22.8	23.8	24.4	22.0	22.9	18.7	18.1	18.4
18	15.1	13.9	14.5	24.6	23.7	24.0	23.7	21.5	22.5	18.2	17.8	18.0
19	16.0	14.4	15.1	25.5	23.4	24.2	23.0	20.9	22.0	19.7	17.7	18.6
20	18.0	15.1	16.4	27.0	23.7	25.2	21.7	20.8	21.0	18.8	18.2	18.5
21	20.1	16.8	18.4	27.4	24.8	26.0	20.9	20.4	20.7	18.8	17.6	18.2
22	20.4	18.9	19.5	27.5	24.8	26.0	22.8	19.8	20.9	19.3	17.6	18.4
23	20.4	18.2	19.3	27.0	24.9	25.9	23.8	20.4	21.9	19.4	17.8	18.4
24	20.3	18.8	19.7	26.2	24.3	25.2	22.1	21.1	21.7	18.7	17.1	17.8
25	22.5	19.6	20.9	24.4	22.8	23.4	22.1	21.0	21.5	17.3	16.2	16.8
26	24.1	22.3	23.2	---	---	---	23.3	20.4	21.7	16.7	16.3	16.4
27	24.3	22.6	23.6	25.8	22.2	23.8	23.4	20.4	21.8	17.3	16.3	16.7
28	23.0	21.9	22.4	25.5	23.4	24.4	23.5	21.1	22.3	17.4	16.0	16.7
29	24.5	22.4	23.4	25.6	23.3	24.4	23.0	21.8	22.4	16.4	15.6	16.0
30	24.4	23.0	23.9	24.9	23.3	24.0	22.5	21.7	22.0	15.8	14.8	15.3
31	---	---	---	24.1	22.9	23.4	21.7	21.0	21.2	---	---	---
MONTH	24.5	11.9	19.1	27.5	18.3	22.7	26.8	19.8	22.7	22.7	14.8	19.0
PERIOD	27.5	11.9	20.9									



Acoustic Doppler Current Profiler (ADCP) measurement
Narraguagus River at Cherryfield, Maine (01022500)
May 2005

01022835 CADILLAC BROOK NEAR BAR HARBOR, ME

LOCATION.--Lat 44° 20'39", long 68° 13'01", 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 mi^2. 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, Dec. 27, Feb. 10, 20-22, period of doubtful stage-discharge relation, Oct. 20-27, and period of no gage-height record, Jan. 6-30. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47 ft^3/s, Oct. 27, 2003 and May 26, 2005, from rating curve extended above 15 ft^3/s, gage height, 2.03 ft; no flow for many days in 1999-2005.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 5	0650	22[a]	1.86	Apr 25	0310	19[a]	1.83
Nov 25	0555	22[a]	1.85	Apr 28	0335	40[a]	1.99
Nov 29	0340	12	1.74	May 1	0155	15	1.78
Mar 8	2220	30[a]	1.92	May 23	0950	26[a]	1.89
Mar 29	0455	35[a]	1.96	May 26	1300	*47[a]	*2.03
Apr 3	1330	15	1.78				

No flow for many days in July, August, and September.

[a] From rating curve extended above 15 ft^3/s

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.28	2.1	0.40	0.005	0.01	0.79	3.7	0.15	0.008	0.000	0.51
2	0.01	0.12	0.97	0.20	0.005	0.01	3.1	0.56	0.11	0.007	0.000	0.13
3	0.01	1.2	0.29	0.86	0.005	0.01	7.2	0.26	0.08	0.004	0.000	0.02
4	0.01	0.32	0.16	0.38	0.005	0.01	2.2	0.16	0.06	0.003	0.000	0.005
5	0.01	4.0	0.12	0.16	0.006	0.01	0.99	0.11	0.05	0.002	0.000	0.002
6	0.007	0.52	0.08	e0.09	0.007	0.01	0.86	0.08	0.04	0.003	0.000	0.001
7	0.007	0.23	0.06	e0.05	0.007	0.01	0.69	0.92	0.04	0.003	0.000	0.000
8	0.006	0.34	0.82	e0.04	0.007	3.3	0.80	3.5	0.04	0.002	0.000	0.000
9	0.006	0.20	0.35	e0.04	0.02	4.3	0.51	0.82	0.03	0.03	0.000	0.000
10	0.005	0.11	0.17	e0.03	e0.09	0.42	0.35	0.33	0.02	0.07	0.000	0.000
11	0.006	0.09	2.8	e0.03	0.05	0.19	0.28	0.19	0.02	0.02	0.000	0.000
12	0.03	0.08	0.69	e0.03	0.03	0.11	0.19	0.13	0.01	0.008	0.000	0.000
13	0.04	0.07	0.46	e0.07	0.03	0.09	0.15	0.10	0.010	0.005	0.000	0.000
14	0.03	0.06	0.34	e4.8	0.02	0.08	0.13	0.07	0.02	0.004	0.000	0.000
15	0.04	0.06	0.12	e1.6	0.83	0.08	0.11	0.06	1.4	0.002	0.000	0.000
16	1.8	0.06	0.07	e0.79	1.2	0.10	0.10	0.09	1.3	0.002	0.000	0.000
17	0.61	0.05	0.06	e0.32	1.8	0.11	0.10	0.12	1.4	0.001	0.000	0.54
18	0.27	0.05	0.05	e0.07	0.36	0.14	0.12	0.12	0.75	0.001	0.000	0.34
19	0.12	0.17	0.04	e0.04	0.17	0.20	0.11	0.17	0.32	0.001	0.000	0.10
20	e0.08	0.17	0.03	e0.02	e0.10	0.33	0.12	0.16	0.14	0.001	0.000	0.05
21	e0.06	0.10	0.03	e0.01	e0.07	0.43	0.65	0.11	0.07	0.001	0.000	0.03
22	e0.05	0.08	0.02	e0.01	e0.04	0.47	0.28	1.1	0.06	0.000	0.000	0.01
23	e0.04	0.07	0.04	e0.009	0.03	0.55	0.19	6.0	0.05	0.000	0.000	0.009
24	e0.04	0.09	2.0	e0.008	0.03	0.39	2.0	1.3	0.03	0.000	0.000	0.006
25	e0.03	5.3	0.27	e0.008	0.02	0.31	5.6	3.3	0.02	0.000	0.000	0.004
26	e0.03	1.5	0.09	e0.008	0.02	0.35	0.53	15	0.01	0.000	0.000	0.02
27	e0.03	0.32	e0.05	e0.007	0.02	0.46	0.71	2.1	0.01	0.000	0.000	1.6
28	0.05	0.19	0.03	e0.007	0.01	3.9	13	0.55	0.01	0.000	0.000	0.19
29	0.04	2.7	0.03	e0.007	---	9.8	1.3	0.30	0.008	0.000	0.000	0.10
30	0.04	0.42	0.02	e0.006	---	2.0	0.97	0.24	0.007	0.000	0.000	0.26
31	0.98	---	0.02	0.006	---	1.2	---	0.20	---	0.000	0.03	---
TOTAL	4.497	18.95	12.38	10.106	4.987	29.38	44.13	41.85	6.265	0.178	0.030	3.927
MEAN	0.15	0.63	0.40	0.33	0.18	0.95	1.47	1.35	0.21	0.01	0.00	0.13
MAX	1.8	5.3	2.8	4.8	1.8	9.8	13	15	1.4	0.07	0.03	1.6
MIN	0.005	0.05	0.02	0.006	0.005	0.01	0.10	0.06	0.007	0.000	0.000	0.000

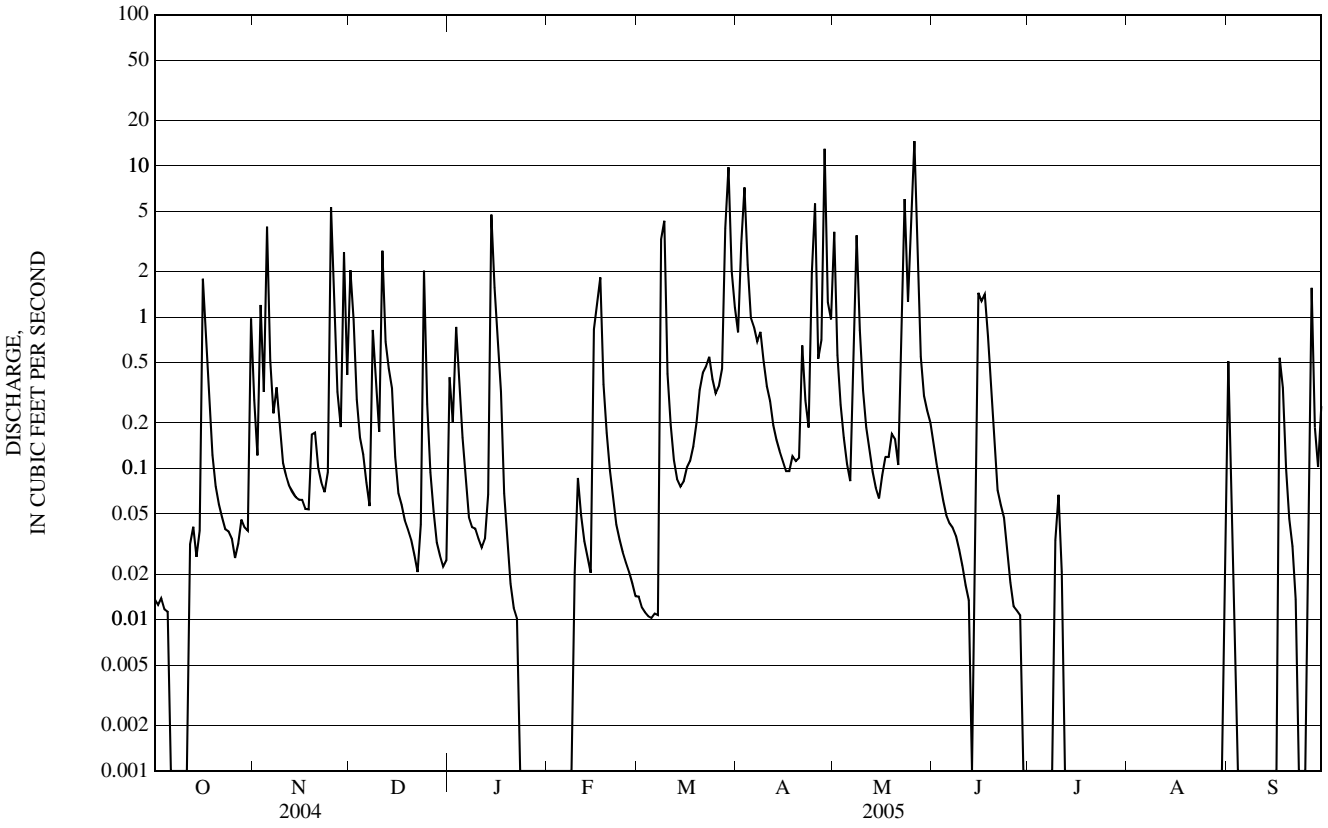
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	0.37	0.51	0.46	0.15	0.28	0.66	0.76	0.44	0.14	0.04	0.05	0.17
MAX	0.89	0.66	0.65	0.33	0.56	1.14	1.47	1.35	0.33	0.11	0.34	0.56
(WY)	(2004)	(2003)	(2004)	(2005)	(2002)	(2003)	(2005)	(2005)	(2003)	(2000)	(2004)	(1999)
MIN	0.07	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)	(2002)	(2001)

e Estimated

01022835 CADILLAC BROOK NEAR BAR HARBOR, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	90.627		176.680			
ANNUAL MEAN	0.25		0.48		0.33	
HIGHEST ANNUAL MEAN					0.48	2005
LOWEST ANNUAL MEAN					0.27	2002
HIGHEST DAILY MEAN	5.3	Nov 25	15	May 26	15	May 26, 2005
LOWEST DAILY MEAN	0.000	Feb 7	0.000	Jul 22	0.000	Jul 12, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Feb 19	0.00	Jul 22	0.00	Jul 15, 1999
MAXIMUM PEAK FLOW			47	May 26	47	Oct 27, 2003
MAXIMUM PEAK STAGE			2.03	May 26	2.03	Oct 27, 2003
INSTANTANEOUS LOW FLOW			0.00	Jul 17	0.00	Jul 7, 1999
10 PERCENT EXCEEDS	0.57		1.2		0.80	
50 PERCENT EXCEEDS	0.05		0.05		0.07	
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", 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 mi^2. 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, Dec. 15-23, 25-31, Jan. 5-12, Jan. 14 to Feb. 14, Feb. 18 to Mar. 10, and periods of no gage-height record, Jan. 26-29, June 23-25, July 15-16, 20-21. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 168 ft^3/s, Aug. 14, 2004, from rating curve extended above 9.8 ft^3/s, gage height, 5.04 ft; maximum gage height, 5.05 ft (backwater from ice), Mar. 8, 2005; no flow for many days in 1999, 2001-2002, 2004.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 5	0625	39[a]	4.55	Apr 3	1300	27	4.76
Nov 25	0520	63[a]	4.69	Apr 25	0325	27	4.75
Nov 29	0250	29[a]	4.47	Apr 28	0855	*68[a]	5.03
Dec 1	1805	27	4.46	May 1	0125	20	4.55
Mar 8	2130	Ice Jam	*5.05	May 23	1035	22	4.61
Mar 28	2150	65[a]	4.92	May 26	1250	42[a]	4.89

Minimum discharge, 0.001 ft^3/s, Aug. 13, gage height, 3.62 ft.

[a] From rating curve extended above 29 ft^3/s

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.06	0.48	4.5	0.87	e0.07	e0.09	1.4	5.5	0.25	0.05	0.008	1.5
2	0.06	0.32	2.1	0.50	e0.07	e0.09	4.5	1.1	0.20	0.05	0.008	0.26
3	0.06	2.0	0.75	2.0	e0.06	e0.08	15	0.54	0.17	0.04	0.006	0.11
4	0.06	0.66	0.50	0.83	e0.06	e0.08	3.8	0.37	0.14	0.03	0.004	0.06
5	0.06	6.7	0.42	e0.48	e0.06	e0.07	2.1	0.26	0.12	0.03	0.005	0.04
6	0.05	1.1	0.32	e0.35	e0.06	e0.07	1.8	0.20	0.11	0.03	0.005	0.03
7	0.05	0.57	0.27	e0.28	e0.06	e0.07	1.6	1.8	0.12	0.03	0.003	0.02
8	0.04	0.65	1.0	e0.21	e0.07	e11	1.9	4.7	0.09	0.02	0.002	0.02
9	0.04	0.47	0.65	e0.19	e0.10	e9.8	1.1	1.4	0.08	0.13	0.002	0.02
10	0.04	0.36	0.45	e0.17	e0.15	e3.9	0.82	0.60	0.07	0.10	0.002	0.02
11	0.05	0.31	2.7	e0.16	e0.13	0.60	0.62	0.38	0.06	0.06	0.002	0.01
12	0.29	0.28	1.4	e0.15	e0.09	0.37	0.43	0.29	0.06	0.04	0.001	0.01
13	0.18	0.25	0.83	0.24	e0.08	0.29	0.35	0.22	0.05	0.04	0.02	0.010
14	0.11	0.21	0.68	e6.5	e0.08	0.25	0.34	0.18	0.06	0.04	0.007	0.01
15	0.09	0.19	e0.46	e1.8	2.4	0.22	0.30	0.17	0.62	e0.04	0.05	0.06
16	2.4	0.18	e0.36	e1.0	1.9	0.21	0.28	0.19	0.78	e0.03	0.01	0.05
17	0.80	0.17	e0.29	e0.51	2.9	0.20	0.30	0.19	0.97	0.02	0.007	0.84
18	0.45	0.16	e0.24	e0.28	e0.94	0.21	0.34	0.17	0.56	0.02	0.005	0.46
19	0.30	0.30	e0.21	e0.24	e0.57	0.25	0.30	0.16	0.33	0.02	0.004	0.20
20	0.26	0.32	e0.18	e0.21	e0.42	0.34	0.30	0.16	0.21	e0.02	0.005	0.13
21	0.22	0.27	e0.16	e0.18	e0.30	0.45	1.1	0.14	0.15	e0.02	0.007	0.12
22	0.18	0.25	e0.15	e0.16	e0.24	0.54	0.47	1.6	0.14	0.02	0.006	0.08
23	0.15	0.20	e0.17	e0.14	e0.19	0.57	0.37	7.1	e0.11	0.01	0.003	0.06
24	0.13	0.34	3.2	e0.12	e0.16	0.49	2.0	1.7	e0.09	0.01	0.003	0.04
25	0.11	12	e0.78	e0.11	e0.14	0.46	9.2	3.5	e0.07	0.03	0.004	0.03
26	0.10	3.6	e0.38	e0.10	e0.12	0.54	1.0	18	0.05	0.02	0.002	0.08
27	0.10	0.84	e0.29	e0.10	e0.11	0.52	1.2	3.2	0.05	0.02	0.001	1.9
28	0.10	0.55	e0.24	e0.09	e0.10	7.1	23	0.98	0.05	0.01	0.002	0.31
29	0.10	5.4	e0.19	e0.08	---	20	2.0	0.57	0.05	0.009	0.02	0.22
30	0.09	1.0	e0.17	e0.08	---	3.7	1.3	0.41	0.04	0.007	0.28	0.33
31	0.97	---	e0.16	e0.07	---	2.2	---	0.32	---	0.005	0.29	---
TOTAL	7.70	40.13	24.20	18.20	11.63	64.76	79.22	56.10	5.85	1.001	0.774	7.030
MEAN	0.25	1.34	0.78	0.59	0.42	2.09	2.64	1.81	0.20	0.03	0.02	0.23
MAX	2.4	12	4.5	6.5	2.9	20	23	18	0.97	0.13	0.29	1.9
MIN	0.04	0.16	0.15	0.07	0.06	0.07	0.28	0.14	0.04	0.005	0.001	0.01

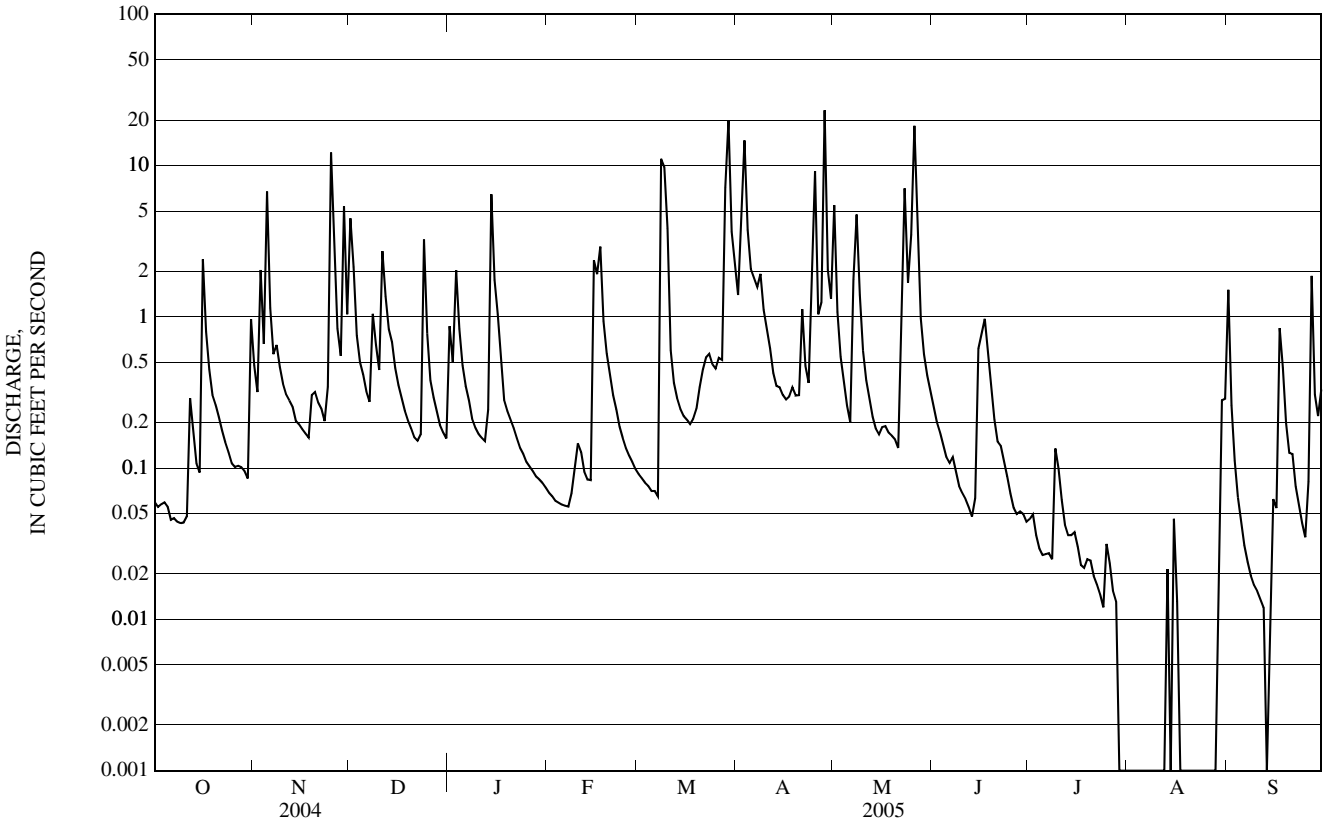
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	0.51	0.87	0.82	0.29	0.49	1.20	1.38	0.61	0.22	0.08	0.15	0.25
MAX	1.28	1.34	1.27	0.59	0.86	2.09	2.64	1.81	0.45	0.17	0.88	0.76
(WY)	(2004)	(2005)	(2004)	(2005)	(2000)	(2005)	(2005)	(2005)	(2001)	(2004)	(2004)	(1999)
MIN	0.08	0.20	0.49	0.07	0.01	0.34	0.77	0.19	0.04	0.01	0.00	0.02
(WY)	(2002)	(2002)	(2002)	(2001)	(2004)	(2004)	(2003)	(2001)	(1999)	(1999)	(1999)	(2001)

e Estimated

01022860 HADLOCK BROOK NEAR CEDAR SWAMP MOUNTAIN NEAR NORTHEAST HARBOR, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	193.433		316.595			
ANNUAL MEAN	0.53		0.87		0.57	
HIGHEST ANNUAL MEAN					0.87	2005
LOWEST ANNUAL MEAN					0.40	2002
HIGHEST DAILY MEAN	15	Aug 14	23	Apr 28	23	Apr 28, 2005
LOWEST DAILY MEAN	0.001	Feb 20	0.001	Aug 12	0.000	Aug 3, 1999
ANNUAL SEVEN-DAY MINIMUM	0.00	Feb 20	0.00	Aug 6	0.00	Aug 30, 1999
MAXIMUM PEAK FLOW			68	Apr 28	168	Aug 14, 2004
MAXIMUM PEAK STAGE			5.05	Mar 8	5.05	Mar 8, 2005
INSTANTANEOUS LOW FLOW			0.00	Aug 13	0.00	Jul 28, 1999
10 PERCENT EXCEEDS	0.97		1.9		1.4	
50 PERCENT EXCEEDS	0.18		0.19		0.16	
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", Somerset County, Hydrologic Unit 01020001, on left bank, and 500 ft upstream of Leadbetter Falls.

DRAINAGE AREA.--232 mi^2.

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. 11-24, Dec. 1-24 and Jan. 1 to Apr. 15, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,410 ft^3/s, Apr. 25, 2005, gage height, 9.32 ft; maximum gage height, 12.14 ft, Apr. 8, 2005 (backwater from ice); minimum discharge, 5.6 ft^3/s, Sept. 10-11, 2002, gage height, 3.29 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 8	1430	Ice Jam	*12.14	Apr 25	1700	*8,410	9.32
Apr 20	2330	4,320	7.81				

Minimum discharge, 25 ft^3/s, Aug. 29, gage height, 3.69 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	148	e1,040	e526	e78	e54	e111	2,510	760	87	109	895
2	44	139	e938	e490	e73	e52	e178	2,090	565	76	293	661
3	42	169	e673	e454	e68	e53	e347	1,580	426	66	500	422
4	40	191	e508	e424	e67	e53	e1,390	1,220	341	55	292	263
5	38	201	e400	e383	e65	e53	e3,770	963	282	50	200	186
6	36	218	e316	e340	e63	e52	e3,200	776	250	87	160	139
7	35	365	e275	e301	e62	e51	e3,390	658	304	64	121	110
8	34	373	e249	e270	e61	e50	e2,960	634	277	48	96	90
9	33	322	e229	e245	e63	e49	e2,470	623	236	93	79	94
10	31	275	e214	e221	e68	e50	e2,020	557	287	676	67	91
11	30	e230	e203	e203	e78	e49	e1,670	485	266	376	118	75
12	33	e195	e206	e190	e86	e51	e1,430	475	212	217	114	62
13	47	e150	e198	e182	e84	e55	e1,210	410	213	153	94	54
14	48	e136	e185	e218	e81	e57	e1,010	347	183	120	88	47
15	43	e127	e173	e452	e75	e57	e966	331	293	136	77	44
16	187	e120	e160	e509	e73	e55	1,100	430	745	106	67	41
17	564	e115	e152	e403	e82	e53	1,670	498	999	83	57	48
18	548	e112	e147	e297	e107	e52	2,640	433	1,160	124	49	160
19	419	e124	e143	e239	e105	e51	2,920	414	871	659	42	222
20	321	e152	e140	e204	e94	e50	3,860	368	597	441	39	172
21	261	e144	e137	e181	e84	e49	3,550	328	409	245	44	129
22	222	e136	e135	e162	e76	e49	2,460	310	308	157	57	103
23	193	e131	e134	e145	e69	e52	2,000	388	250	176	50	108
24	170	e128	e1,100	e132	e64	e60	2,800	529	204	156	42	128
25	152	603	1,950	e123	e61	e67	7,050	442	176	224	37	103
26	138	1,550	2,010	e116	e64	e69	5,990	403	211	402	33	144
27	126	1,130	1,710	e105	e61	e70	3,610	528	173	305	29	754
28	115	852	1,280	e94	e57	e70	2,860	547	143	293	27	657
29	106	1,630	945	e86	---	e72	3,290	506	119	225	26	497
30	99	1,420	689	e82	---	e78	2,650	580	102	166	29	846
31	116	---	565	e81	---	e88	---	937	---	127	60	---
TOTAL	4,318	11,586	17,204	7,858	2,069	1,771	74,572	21,300	11,362	6,193	3,096	7,345
MEAN	139	386	555	253	73.9	57.1	2,486	687	379	200	99.9	245
MAX	564	1,630	2,010	526	107	88	7,050	2,510	1,160	676	500	895
MIN	30	112	134	81	57	49	111	310	102	48	26	41
CFSM	0.60	1.66	2.39	1.09	0.32	0.25	10.7	2.96	1.63	0.86	0.43	1.06
IN.	0.69	1.86	2.76	1.26	0.33	0.28	11.96	3.42	1.82	0.99	0.50	1.18

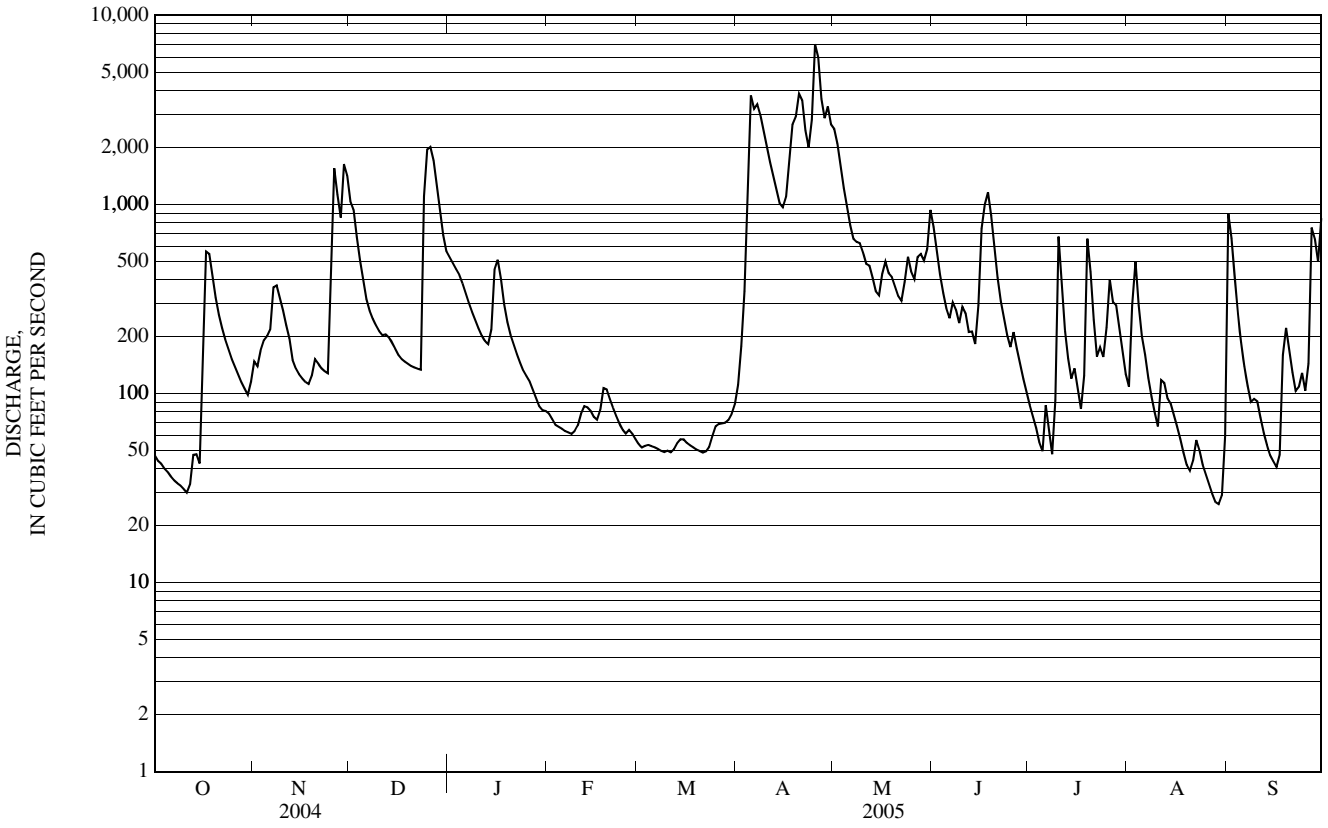
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	178	369	436	140	51.5	182	1,728	616	368	228	198	118
MAX	385	747	801	253	73.9	262	2,486	687	468	371	519	245
(WY)	(2004)	(2004)	(2004)	(2005)	(2005)	(2003)	(2005)	(2005)	(2002)	(2002)	(2004)	(2005)
MIN	76.0	112	142	55.6	37.2	57.1	1,454	525	239	94.9	45.3	22.4
(WY)	(2002)	(2002)	(2003)	(2002)	(2003)	(2005)	(2002)	(2002)	(2004)	(2003)	(2002)	(2003)

e Estimated

01027200 NORTH BRANCH PENOBSCOT RIVER NEAR PITTSTON FARM, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	149,014		168,674			
ANNUAL MEAN	407		462		385	
HIGHEST ANNUAL MEAN					478	2004
LOWEST ANNUAL MEAN					299	2003
HIGHEST DAILY MEAN	4,280	Apr 20	7,050	Apr 25	7,050	Apr 25, 2005
LOWEST DAILY MEAN	30	Oct 11	26	Aug 29	5.9	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	33	Oct 6	32	Aug 24	6.9	Sep 4, 2002
MAXIMUM PEAK FLOW			8,410	Apr 25	8,410	Apr 25, 2005
MAXIMUM PEAK STAGE			12.14	Apr 8	12.14	Apr 8, 2005
INSTANTANEOUS LOW FLOW			25	Aug 29	5.6	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.75		1.99		1.66	
ANNUAL RUNOFF (INCHES)	23.89		27.05		22.58	
10 PERCENT EXCEEDS	1,100		1,140		968	
50 PERCENT EXCEEDS	184		169		147	
90 PERCENT EXCEEDS	49		50		34	



01029200 SEBOEIS RIVER NEAR SHIN POND, ME

LOCATION.--Lat 46° 08'35", long 68° 38'01", 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 mi^2.

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 doubtful gage-height record, Apr. 25-26, May 15 to July 25, which are fair, and periods of ice effect, Nov. 9-24, 27-28, Dec. 3 to Apr. 9, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,280 ft^3/s, Apr. 29, 2005, gage height, 11.62 ft; mimimum discharge, 4.3 ft^3/s, Sept. 3, 2002, gage height, 3.94 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,280 ft^3/s, Apr. 29, gage height, 11.62 ft; minimum discharge, 16 ft^3/s, Aug. 19-20, gage height, 4.19 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	125	610	e320	e100	e82	e146	3,190	492	116	64	341
2	87	115	984	e306	e97	e84	e178	2,750	448	110	68	355
3	82	121	e866	e286	e94	e83	e220	2,300	406	96	71	249
4	77	114	e737	e269	e92	e81	e292	1,920	368	84	64	196
5	74	128	e621	e253	e89	e81	e397	1,610	346	80	55	170
6	67	154	e537	e239	e87	e80	e565	1,350	325	153	52	153
7	64	160	e475	e225	e86	e80	e877	1,160	318	154	46	139
8	61	161	e428	e214	e86	e83	e1,270	1,060	293	135	42	130
9	57	e147	e417	e203	e87	e90	e1,580	970	263	133	38	129
10	55	e132	e407	e193	e88	e90	1,620	855	238	203	35	123
11	52	e121	e386	e183	e92	e87	1,610	749	220	216	33	112
12	60	e115	e382	e175	e94	e85	1,500	678	234	186	31	106
13	81	e109	e353	e168	e91	e83	1,280	603	231	168	28	94
14	75	e104	e333	e163	e87	e83	1,170	526	330	166	26	87
15	71	e100	e321	e178	e87	e82	1,060	486	365	216	25	84
16	118	e98	e311	e179	e95	e81	1,010	522	396	178	23	83
17	242	e96	e302	e170	e99	e82	1,070	544	439	148	21	132
18	252	e94	e295	e157	e97	e82	1,300	506	464	130	19	319
19	226	e92	e289	e152	e93	e82	1,470	456	460	120	17	291
20	192	e90	e282	e146	e90	e82	1,680	418	420	140	17	234
21	171	e89	e277	e141	e89	e81	1,790	386	372	123	18	201
22	157	e88	e272	e136	e88	e81	1,590	370	330	109	23	173
23	146	e86	e268	e132	e88	e81	1,470	411	283	140	26	172
24	136	e88	e465	e128	e87	e80	1,450	458	248	147	24	172
25	130	144	e625	e124	e86	e80	e2,390	429	219	131	23	151
26	124	220	e667	e121	e84	e80	e3,150	452	192	120	22	155
27	117	e177	e612	e116	e83	e80	2,480	602	168	107	22	259
28	111	e172	e528	e113	e81	e85	2,650	623	150	99	22	280
29	104	443	e450	e109	---	e92	4,110	588	137	87	24	249
30	99	643	e396	e105	---	e103	3,630	565	128	77	108	322
31	115	---	e348	e102	---	e122	---	540	---	67	212	---
TOTAL	3,497	4,526	14,244	5,506	2,517	2,628	45,005	28,077	9,283	4,139	1,299	5,661
MEAN	113	151	459	178	89.9	84.8	1,500	906	309	134	41.9	189
MAX	252	643	984	320	100	122	4,110	3,190	492	216	212	355
MIN	52	86	268	102	81	80	146	370	128	67	17	83
CFSM	0.65	0.87	2.66	1.03	0.52	0.49	8.67	5.24	1.79	0.77	0.24	1.09
IN.	0.75	0.97	3.06	1.18	0.54	0.57	9.68	6.04	2.00	0.89	0.28	1.22

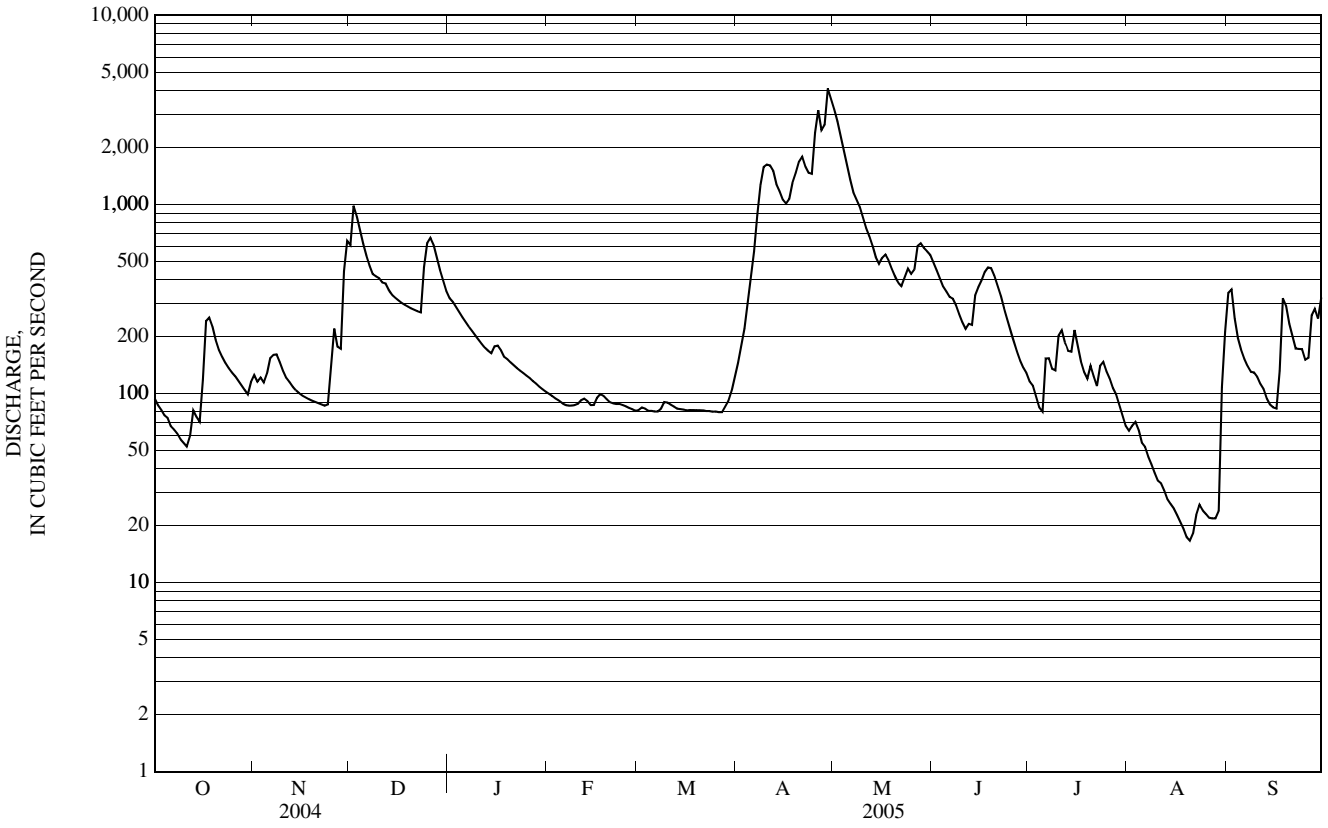
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	161	238	288	146	90.2	208	1,120	515	188	114	92.2	145
MAX	423	693	614	258	182	572	1,670	906	309	239	233	535
(WY)	(2004)	(2004)	(2004)	(2004)	(1999)	(1999)	(2000)	(2005)	(2005)	(1998)	(1999)	(1999)
MIN	26.0	47.0	93.6	74.0	61.4	84.8	630	276	122	59.7	23.4	12.4
(WY)	(2003)	(2002)	(2002)	(2002)	(2003)	(2005)	(2001)	(1999)	(2002)	(2003)	(2002)	(2002)

e Estimated

01029200 SEBOEIS RIVER NEAR SHIN POND, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	89,175		126,382			
ANNUAL MEAN	244		346		271	
HIGHEST ANNUAL MEAN					359	2000
LOWEST ANNUAL MEAN					173	2002
HIGHEST DAILY MEAN	1,210	Apr 20	4,110	Apr 29	4,110	Apr 29, 2005
LOWEST DAILY MEAN	40	Mar 25	17	Aug 19	4.5	Sep 3, 2002
ANNUAL SEVEN-DAY MINIMUM	44	Mar 19	20	Aug 16	5.4	Aug 29, 2002
MAXIMUM PEAK FLOW			4,280	Apr 29	4,280	Apr 29, 2005
MAXIMUM PEAK STAGE			11.62	Apr 29	11.62	Apr 29, 2005
INSTANTANEOUS LOW FLOW			16	Aug 19	4.3	Sep 3, 2002
ANNUAL RUNOFF (CFSM)	1.41		2.00		1.56	
ANNUAL RUNOFF (INCHES)	19.18		27.18		21.25	
10 PERCENT EXCEEDS	536		791		630	
50 PERCENT EXCEEDS	158		147		130	
90 PERCENT EXCEEDS	67		70		36	



01029500 EAST BRANCH PENOBSCOT RIVER AT GRINDSTONE, ME

LOCATION.--Lat 45° 43'49", long 68° 35'22", 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 mi^2

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, Nov. 11-25, Dec. 5-24 and Dec. 26 to Apr. 10, which are poor. Flow regulated by Chamberlain, Telos, Second, Grand Lakes, and Round Pond, combined usable capacity, about 6.835 billion ft^3. Final regulation at Grand Lake Dam 35 mi upstream. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,000 ft^3/s, Apr. 30, 1923, gage height 16.9 ft, site then in use; minimum daily discharge, 77 ft^3/s, Nov. 19, 1924.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 25,600 ft^3/s, Apr. 29, gage height, 13.56 ft; minimum daily discharge, 437 ft^3/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,020	847	4,540	e1,540	e1,030	e706	e2,330	17,000	5,000	1,080	693	6,860
2	1,000	790	7,100	e1,410	e1,010	e701	e2,330	14,600	4,220	993	1,040	4,740
3	1,100	765	6,520	e1,310	e1,000	e691	e2,830	12,100	3,290	907	1,330	2,790
4	1,350	745	4,940	e1,240	e986	e683	e6,700	9,950	2,760	834	1,000	2,050
5	1,330	790	e3,710	e1,170	e975	e673	e8,780	8,530	2,400	783	806	1,740
6	1,290	982	e2,800	e1,120	e961	e666	e8,020	7,320	2,110	865	717	1,560
7	1,170	1,050	e2,300	e1,060	e946	e658	e7,290	6,680	2,230	1,080	1,110	1,440
8	1,020	1,010	e2,000	e1,020	e929	e658	e6,900	7,120	2,170	1,020	859	1,360
9	1,000	941	e1,790	e953	e896	e658	e6,850	7,900	2,080	1,020	594	1,430
10	904	835	e1,630	e866	e879	e655	e8,350	7,470	1,940	1,890	565	1,360
11	691	e765	e1,500	e836	e857	e740	8,150	7,030	1,900	2,280	567	1,260
12	495	e728	e1,420	e815	e838	e826	7,820	6,580	1,850	1,820	549	1,190
13	626	e698	e1,380	e807	e822	e808	7,230	5,880	1,990	1,440	544	1,130
14	624	e681	e1,340	e1,490	e813	e795	6,430	4,980	2,310	1,360	537	1,100
15	562	e665	e1,290	e2,140	e807	e775	5,800	4,270	2,930	1,420	528	1,090
16	935	e653	e1,230	e1,940	e842	e768	5,360	3,940	3,460	1,350	517	1,110
17	2,230	e641	e1,190	e1,660	e918	e756	5,220	3,460	4,370	1,140	507	1,200
18	1,610	e631	e1,160	e1,500	e998	e756	5,970	3,000	4,930	1,070	489	2,430
19	1,310	e622	e1,130	e1,400	e906	e737	6,590	3,110	4,650	999	469	2,200
20	1,100	e614	e1,110	e1,340	e865	e724	7,370	3,070	4,240	1,080	463	1,800
21	970	e609	e1,080	e1,280	e834	e712	8,810	3,020	3,900	1,030	497	1,620
22	894	e603	e1,070	e1,250	e807	e700	8,460	3,000	3,660	927	561	1,480
23	842	e600	e1,040	e1,220	e785	e685	7,900	4,470	3,010	895	571	1,410
24	799	e596	e3,560	e1,190	e766	e683	8,020	6,730	2,280	890	528	1,400
25	768	e1,080	4,770	e1,170	e749	e674	14,100	6,390	2,080	888	491	1,320
26	743	2,120	e3,580	e1,150	e738	e663	20,300	6,480	2,020	1,010	469	1,300
27	717	1,680	e3,020	e1,130	e725	e657	16,500	9,770	1,680	950	449	1,850
28	691	1,380	e2,540	e1,110	e718	e663	15,800	8,600	1,110	870	437	1,920
29	668	4,100	e2,170	e1,090	---	e1,230	24,400	7,270	1,000	797	444	1,660
30	649	5,530	e1,920	e1,070	---	e1,830	21,400	6,790	1,140	726	2,570	2,200
31	721	---	e1,690	e1,050	---	e2,120	---	6,140	---	678	3,050	---
TOTAL	29,829	33,751	76,520	38,327	24,400	25,051	272,010	212,650	82,710	34,092	23,951	56,000
MEAN	962	1,125	2,468	1,236	871	808	9,067	6,860	2,757	1,100	773	1,867
MAX	2,230	5,530	7,100	2,140	1,030	2,120	24,400	17,000	5,000	2,280	3,050	6,860
MIN	495	596	1,040	807	718	655	2,330	3,000	1,000	678	437	1,090
CFSM	0.89	1.04	2.27	1.14	0.80	0.74	8.35	6.32	2.54	1.01	0.71	1.72
IN.	1.02	1.16	2.62	1.31	0.84	0.86	9.32	7.28	2.83	1.17	0.82	1.92

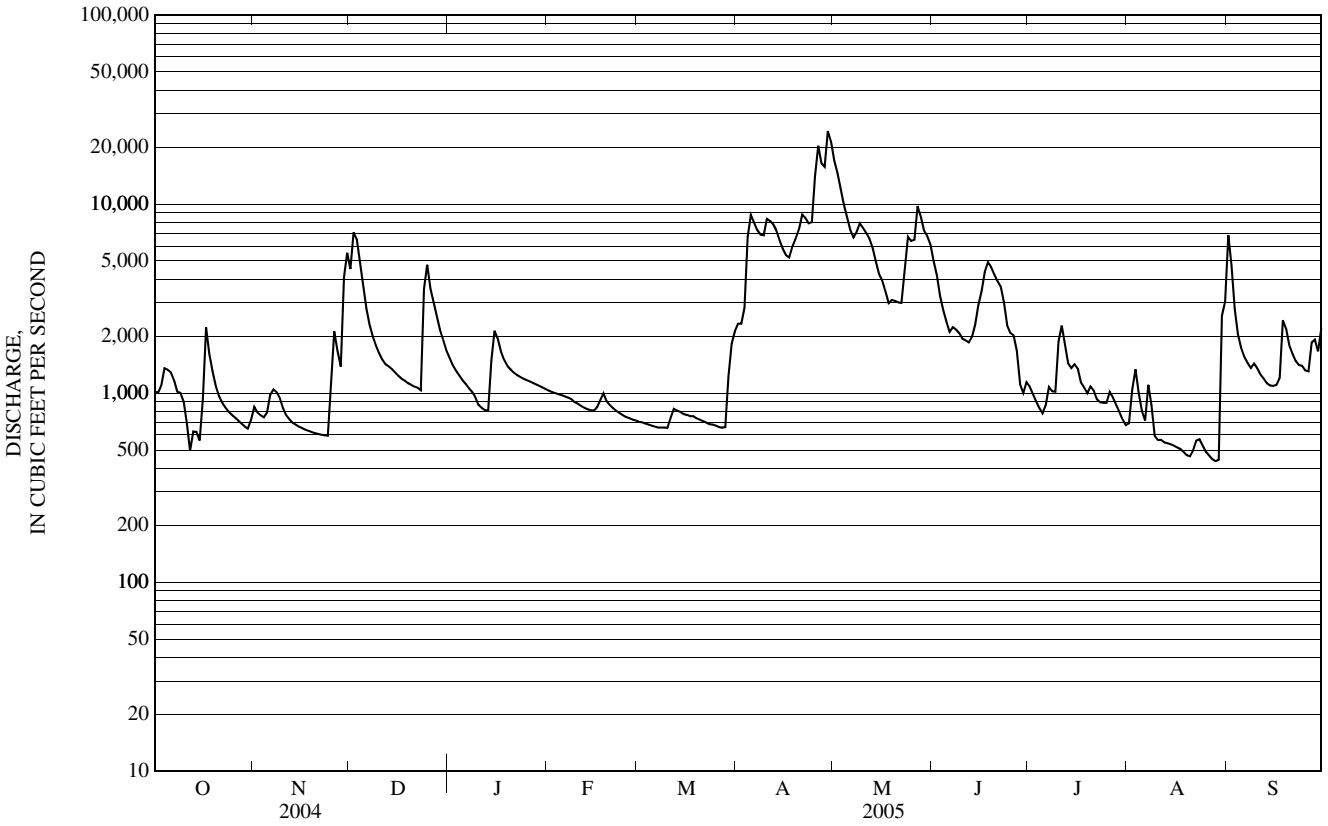
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2005, BY WATER YEAR (WY)

MEAN	1,240	1,744	1,559	1,081	1,016	1,523	4,844	4,816	2,261	1,323	901	979
MAX	5,537	6,564	6,015	3,552	3,680	7,851	9,941	10,890	6,292	4,697	2,807	4,200
(WY)	(1982)	(1964)	(1951)	(1958)	(1970)	(1936)	(2000)	(1961)	(1917)	(1918)	(1976)	(1954)
MIN	210	327	203	255	216	222	1,268	1,545	796	357	250	264
(WY)	(1911)	(1956)	(1909)	(1948)	(1948)	(1923)	(1926)	(2004)	(1921)	(1955)	(1941)	(1910)

e Estimated

01029500 EAST BRANCH PENOBSCOT RIVER AT GRINDSTONE, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1903 - 2005	
ANNUAL TOTAL	572,553		909,291			
ANNUAL MEAN	1,564		2,491		1,942	
HIGHEST ANNUAL MEAN					2,952	1958
LOWEST ANNUAL MEAN					1,028	1911
HIGHEST DAILY MEAN	7,200	Apr 15	24,400	Apr 29	33,700	Apr 30, 1923
LOWEST DAILY MEAN	297	Mar 23	437	Aug 28	77	Nov 19, 1924
ANNUAL SEVEN-DAY MINIMUM	308	Mar 18	484	Aug 23	117	Dec 25, 1914
MAXIMUM PEAK FLOW			25,600	Apr 29	37,000	Apr 30, 1923
MAXIMUM PEAK STAGE			13.56	Apr 29	16.90	Apr 30, 1923
ANNUAL RUNOFF (CFSM)	1.44		2.29		1.79	
ANNUAL RUNOFF (INCHES)	19.61		31.15		24.30	
10 PERCENT EXCEEDS	3,380		6,750		4,600	
50 PERCENT EXCEEDS	1,100		1,150		1,130	
90 PERCENT EXCEEDS	471		656		430	



01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME

LOCATION.--Lat 45° 30'04", long 68° 18'21", 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 mi^2.

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 doubtful gage-height record, June 21 to Aug. 24, which is fair, period of ice effect, Dec. 17 to Apr. 1, and period of no gage-height record, Jan. 12, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,200 ft^3/s, Mar. 23, 1936, gage height, 15.34 ft, former site and datum; minimum discharge, 30 ft^3/s, Sept. 7, 1995.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of May 1, 1923 has been estimated as 46,600 ft^3/s, based on flow for the Mattawamkeag River at Mattawamkeag (station 01031000); gage height unknown.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,100 ft^3/s, Apr. 8, gage height, 14.31 ft; minimum discharge, 171 ft^3/s, Aug. 28-29, gage height, 4.16 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	363	477	5,710	e2,380	e662	e728	e8,420	18,300	5,000	e776	e426	1,920
2	340	508	6,810	e2,080	e600	e731	9,290	18,500	4,380	e813	e583	3,760
3	326	551	8,150	e1,890	e547	e712	10,100	17,900	3,760	e755	e1,140	4,340
4	306	586	8,530	e1,730	e504	e680	12,600	16,500	3,230	e671	e1,300	4,070
5	291	648	7,960	e1,590	e468	e643	15,600	14,700	2,750	e588	e1,090	3,330
6	273	821	6,240	e1,470	e437	e611	17,200	12,500	2,380	e533	e870	2,550
7	263	1,080	5,510	e1,360	e418	e592	18,500	10,300	2,170	e490	e713	1,990
8	249	1,180	4,650	e1,260	e402	e590	18,800	9,110	2,020	e462	e610	1,600
9	238	1,160	3,980	e1,180	e388	e938	18,500	9,640	1,860	e457	e535	1,340
10	232	1,080	3,510	e1,120	e395	e1,370	17,900	10,100	1,710	e473	e477	1,140
11	226	989	3,150	e1,070	e464	e1,870	17,000	9,550	1,570	e504	e432	991
12	238	921	2,980	e1,020	e641	e2,130	15,800	8,380	1,420	e582	e393	878
13	265	849	2,860	e996	e743	e2,140	14,400	7,080	1,300	e661	e371	775
14	319	763	2,600	e995	e750	e2,030	12,800	5,840	1,280	e706	e362	686
15	373	712	2,160	e1,330	e707	e1,870	11,200	4,870	1,520	e759	e356	622
16	429	663	1,890	e1,690	e694	e1,720	9,560	4,360	1,770	e769	e336	606
17	574	582	e1,720	e1,740	e795	e1,630	8,380	4,250	2,170	e736	e309	651
18	877	594	e1,560	e1,650	e1,020	e1,570	7,730	4,280	2,600	e670	e286	943
19	1,130	573	e1,430	e1,520	e1,340	e1,520	7,590	4,190	2,780	e608	e262	1,270
20	1,130	541	e1,330	e1,410	e1,520	e1,510	7,770	3,950	2,620	e567	e239	1,480
21	1,040	525	e1,250	e1,330	e1,470	e1,520	8,080	3,610	e2,270	e507	e228	1,470
22	939	512	e1,200	e1,230	e1,330	e1,550	8,210	3,300	e1,840	e473	e221	1,350
23	851	502	e1,160	e1,150	e1,210	e1,620	7,990	3,230	e1,520	e481	e218	1,190
24	773	492	e2,160	e1,070	e1,110	e1,630	7,480	3,540	e1,310	e471	e217	1,080
25	709	624	e3,760	e1,010	e1,010	e1,630	7,580	3,780	e1,160	e457	212	971
26	647	1,280	e4,590	e953	e923	e1,620	9,390	3,880	e1,030	e478	202	899
27	600	2,170	e4,740	e909	e840	e1,620	11,300	4,940	e924	e542	192	991
28	558	2,440	e4,380	e866	e771	e1,700	12,200	6,010	e835	e647	180	1,310
29	520	3,020	e3,850	e828	---	e2,740	14,200	6,370	e737	e669	179	1,510
30	484	4,540	e3,270	e781	---	e4,710	17,100	6,150	e688	e570	269	1,720
31	471	---	e2,740	e735	---	e6,850	---	5,610	---	e476	529	---
TOTAL	16,034	31,383	115,830	40,343	22,159	52,775	362,670	244,720	60,604	18,351	13,737	47,433
MEAN	517	1,046	3,736	1,301	791	1,702	12,090	7,894	2,020	592	443	1,581
MAX	1,130	4,540	8,530	2,380	1,520	6,850	18,800	18,500	5,000	813	1,300	4,340
MIN	226	477	1,160	735	388	590	7,480	3,230	688	457	179	606
CFSM	0.36	0.74	2.64	0.92	0.56	1.20	8.53	5.57	1.42	0.42	0.31	1.12
IN.	0.42	0.82	3.04	1.06	0.58	1.38	9.51	6.42	1.59	0.48	0.36	1.24

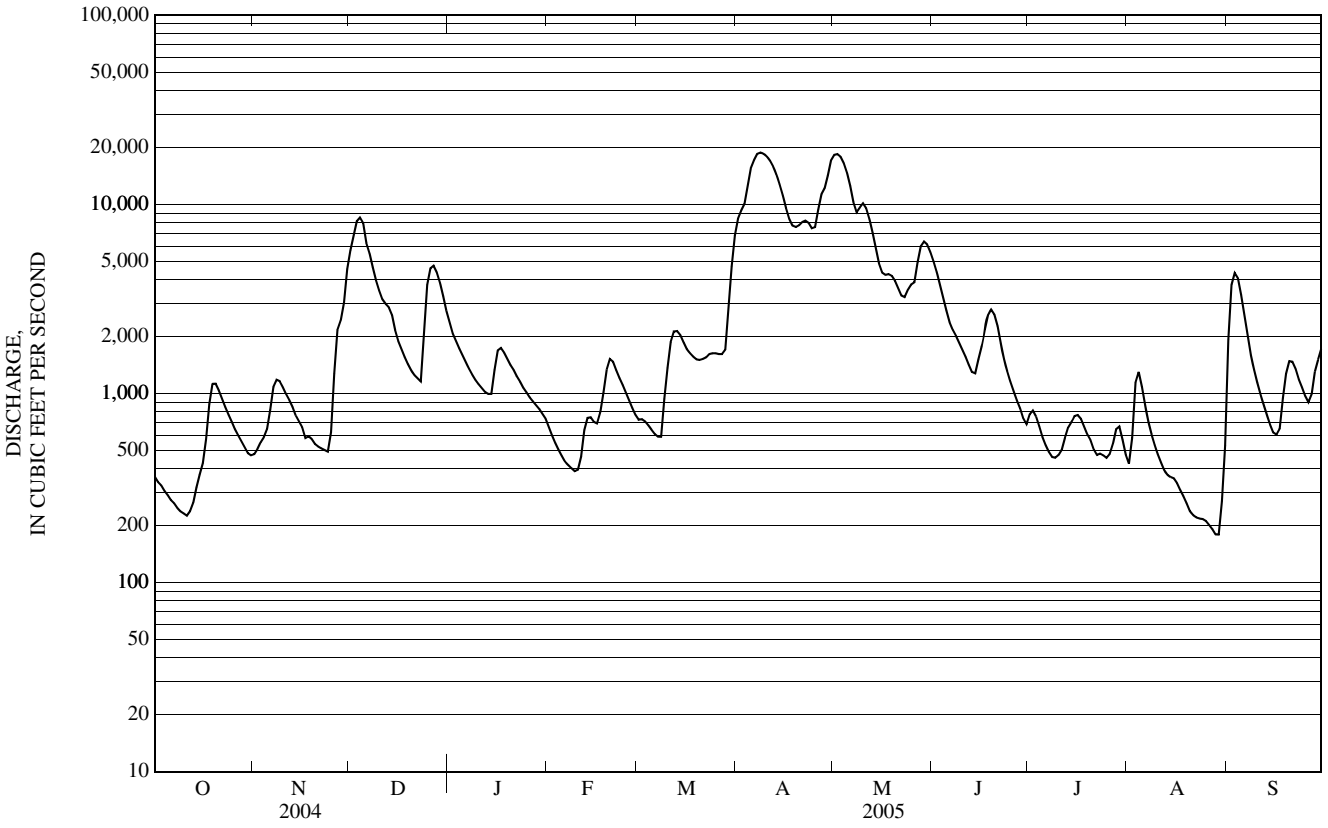
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2005, BY WATER YEAR (WY)

MEAN	1,385	2,712	2,629	1,404	1,233	2,209	8,535	5,452	1,951	1,000	721	810
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1935 - 2005	
ANNUAL TOTAL	611,504		1,026,039			
ANNUAL MEAN	1,671		2,811		2,502	
HIGHEST ANNUAL MEAN					4,015	1984
LOWEST ANNUAL MEAN					1,307	1985
HIGHEST DAILY MEAN	10,600	Apr 17	18,800	Apr 8	29,200	Mar 23, 1936
LOWEST DAILY MEAN	164	Mar 2	179	Aug 29	32	Sep 4, 1995
ANNUAL SEVEN-DAY MINIMUM	181	Feb 25	200	Aug 23	33	Sep 1, 1995
MAXIMUM PEAK FLOW			19,100	Apr 8	29,200	Mar 23, 1936
MAXIMUM PEAK STAGE			14.31	Apr 8	15.34	Mar 23, 1936
INSTANTANEOUS LOW FLOW			171	Aug 28	30	Sep 7, 1995
ANNUAL RUNOFF (CFSM)	1.18		1.98		1.76	
ANNUAL RUNOFF (INCHES)	16.04		26.92		23.97	
10 PERCENT EXCEEDS	4,980		8,170		6,500	
50 PERCENT EXCEEDS	672		1,180		1,190	
90 PERCENT EXCEEDS	288		399		260	



01031300 PISCATAQUIS RIVER AT BLANCHARD, ME

LOCATION.--Lat 45° 16'02", long 69° 35'02", 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 mi^2.

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, Nov. 10-24, Dec. 6 to Apr. 3, and periods of no gage-height record, Jan. 15-19, May 22-24, 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 ft^3/s, Apr. 9, 2000, gage height 11.38; minimum discharge, 2.9 ft^3/s, Sept. 10-11, 2002, gage height 3.13 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	0430	2,640	8.29	Apr 28	1845	3,870	9.10
Dec 2	0115	1,740	7.45	May 26	2330	5,700	10.12
Apr 4	1530	2,700	8.28	Sep 1	0500	1,770	7.45
Apr 25	1045	*7,150	*10.79				

Minimum discharge, 20 ft^3/s, Oct. 12, gage height, 3.68 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	102	1,030	e169	e49	e56	e478	1,220	661	98	71	1,390
2	29	97	1,400	e159	e47	e64	e396	916	477	88	179	736
3	29	129	851	e149	e46	e62	e1,310	706	365	75	103	416
4	27	127	595	e140	e45	e57	2,470	555	291	64	69	267
5	26	146	453	e132	e45	e55	2,360	452	240	56	53	196
6	24	174	e333	e125	e45	e53	2,050	379	238	74	45	157
7	24	177	e276	e120	e45	e51	1,930	337	267	82	38	131
8	23	162	e241	e115	e46	e57	1,800	474	223	66	33	112
9	23	138	e220	e111	e57	e85	1,720	442	186	104	29	99
10	23	e113	e204	e107	e70	e107	1,520	366	160	388	42	86
11	21	e100	e199	e103	e80	e89	1,360	306	145	256	212	75
12	22	e90	e196	e99	e84	e80	1,040	269	131	163	125	67
13	28	e81	e186	e101	e77	e76	806	227	116	112	112	60
14	31	e77	e170	e132	e70	e72	712	200	115	107	85	56
15	33	e74	e149	e140	e73	e68	667	196	268	249	82	61
16	294	e72	e139	e132	e84	e65	685	229	368	219	70	71
17	388	e70	e137	e126	e173	e63	884	237	525	138	55	294
18	279	e69	e133	e122	e162	e61	1,220	215	629	98	43	421
19	194	e71	e128	e119	e122	e59	1,260	193	537	80	37	301
20	148	e70	e123	e117	e100	e58	1,370	164	361	71	34	205
21	118	e70	e119	e116	e87	e57	1,420	149	253	63	112	158
22	99	e69	e116	e111	e84	e57	1,070	e174	196	54	145	124
23	87	e69	e112	e106	e80	e56	896	e341	157	55	93	107
24	79	e69	e1,120	e97	e75	e56	1,770	e398	130	46	68	89
25	74	215	e463	e87	e69	e55	5,440	360	111	51	54	77
26	70	303	e345	e79	e65	e55	2,840	2,120	96	63	45	74
27	65	228	e287	e71	e61	e56	1,600	3,780	85	60	38	113
28	59	246	e251	e65	e58	e69	2,830	1,880	75	86	35	105
29	55	1,990	e219	e60	---	e122	2,640	1,110	76	65	65	122
30	53	1,170	e197	e55	---	e393	1,550	963	115	50	213	268
31	79	---	e182	e52	---	e494	---	921	---	40	628	---
TOTAL	2,535	6,568	10,574	3,417	2,099	2,808	48,094	20,279	7,597	3,221	3,013	6,438
MEAN	81.8	219	341	110	75.0	90.6	1,603	654	253	104	97.2	215
MAX	388	1,990	1,400	169	173	494	5,440	3,780	661	388	628	1,390
MIN	21	69	112	52	45	51	396	149	75	40	29	56
CFSM	0.69	1.86	2.89	0.93	0.64	0.77	13.6	5.54	2.15	0.88	0.82	1.82
IN.	0.80	2.07	3.33	1.08	0.66	0.89	15.16	6.39	2.39	1.02	0.95	2.03

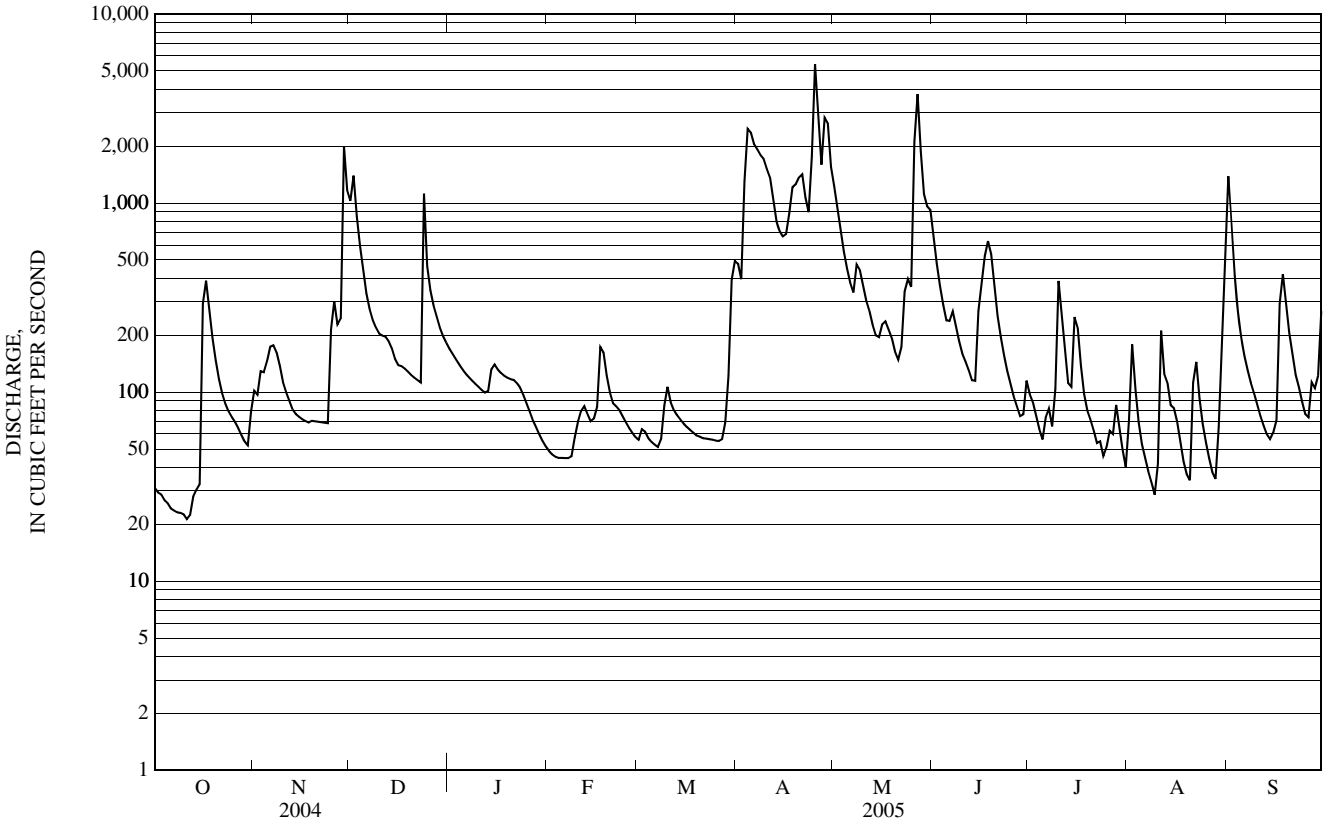
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	156	226	258	102	80.4	261	883	352	184	74.2	41.1	98.7
MAX	538	494	651	300	208	585	1,603	689	543	199	121	383
(WY)	(2004)	(2004)	(2004)	(1999)	(1998)	(1998)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	66,936		116,643			
ANNUAL MEAN	183		320		226	
HIGHEST ANNUAL MEAN					320	2005
LOWEST ANNUAL MEAN					132	2002
HIGHEST DAILY MEAN	1,990	Nov 29	5,440	Apr 25	5,440	Apr 25, 2005
LOWEST DAILY MEAN	20	Jul 1	21	Oct 11	3.0	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	23	Oct 6	23	Oct 6	3.4	Sep 5, 2002
MAXIMUM PEAK FLOW			7,150	Apr 25	7,550	Apr 9, 2000
MAXIMUM PEAK STAGE			10.79	Apr 25	11.38	Apr 9, 2000
INSTANTANEOUS LOW FLOW			20	Oct 12	2.9	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.55		2.71		1.92	
ANNUAL RUNOFF (INCHES)	21.10		36.77		26.04	
10 PERCENT EXCEEDS	443		904		595	
50 PERCENT EXCEEDS	90		115		85	
90 PERCENT EXCEEDS	30		50		17	



01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME

LOCATION.--Lat 45° 11'04", long 69° 27'09", 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 mi^2.

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, Nov. 12-24, Dec. 7-24, Dec. 26 to Apr. 3, and period of no gage-height record, Jan. 10-11, 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, 5,470 ft^3/s, May 26, 2005, gage height, 12.80 ft; maximum gage height, 18.43 ft, Dec. 20, 2003 (backwater from ice); minimum discharge, 1.1 ft^3/s, Aug. 20, 2001, gage height 4.48 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	0745	3,730	11.93	Apr 25	1300	5,360	12.75
Dec 1	2315	3,420	11.75	Apr 28	1945	4,410	12.30
Apr 3	0730	Ice Jam	*13.25	May 26	2330	*5,470	12.80
Apr 3	2000	5,220	12.69	Sep 1	1015	1,320	9.94

Minimum discharge, 12 ft^3/s, Aug. 10, gage height, 5.34 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	80	1,260	e203	e49	e61	e451	1,070	371	75	32	1,120
2	25	73	2,000	e185	e47	e65	e379	764	288	69	34	571
3	24	117	881	e173	e46	e63	e1,430	559	228	58	39	293
4	23	121	562	e160	e45	e59	3,750	427	188	49	37	192
5	22	237	413	e149	e45	e56	2,340	340	158	44	29	152
6	21	302	314	e140	e45	e54	1,810	279	167	48	26	120
7	19	200	e261	e133	e45	e53	1,690	245	190	49	22	99
8	19	158	e230	e127	e46	e53	1,530	561	151	41	17	83
9	19	127	e207	e122	e53	e64	1,440	516	123	74	15	73
10	18	104	e196	e118	e64	e76	1,250	364	105	501	21	63
11	18	95	e191	e114	e70	e78	1,150	281	115	237	152	56
12	25	e87	e188	e110	e83	e72	845	236	172	125	83	50
13	51	e80	e175	e107	e78	e69	658	191	109	90	71	44
14	39	e75	e159	e119	e72	e64	648	163	95	75	57	41
15	34	e71	e143	e142	e71	e60	618	158	519	86	46	45
16	450	e68	e131	e134	e83	e60	611	209	610	70	41	67
17	425	e67	e123	e126	e127	e59	734	211	682	58	34	549
18	211	e66	e119	e120	e206	e58	873	180	671	52	27	575
19	142	e66	e114	e116	e188	e57	800	173	517	48	22	274
20	109	e66	e111	e114	e146	e56	823	149	320	46	19	175
21	91	e65	e108	e112	e118	e55	1,130	131	221	41	106	146
22	82	e64	e105	e107	e104	e55	768	239	174	36	196	109
23	76	e63	e102	e100	e92	e54	617	726	142	35	97	94
24	69	e62	e1,220	e92	e82	e57	1,060	755	115	30	63	81
25	65	721	884	e84	e75	e57	3,960	513	98	32	49	68
26	62	654	e571	e75	e68	e56	1,720	1,770	84	49	40	64
27	59	328	e408	e68	e64	e57	913	3,180	73	46	33	129
28	57	254	e333	e62	e60	e70	3,060	1,220	65	104	29	100
29	53	2,330	e284	e57	---	e117	2,350	733	61	66	34	94
30	51	1,040	e251	e53	---	e377	1,090	646	83	47	117	351
31	65	---	e226	e51	---	e471	---	493	---	37	481	---
TOTAL	2,450	7,841	12,270	3,573	2,272	2,663	40,498	17,482	6,895	2,418	2,069	5,878
MEAN	79.0	261	396	115	81.1	85.9	1,350	564	230	78.0	66.7	196
MAX	450	2,330	2,000	203	206	471	3,960	3,180	682	501	481	1,120
MIN	18	62	102	51	45	53	379	131	61	30	15	41
CFSM	0.83	2.74	4.15	1.21	0.85	0.90	14.2	5.91	2.41	0.82	0.70	2.05
IN.	0.96	3.06	4.78	1.39	0.89	1.04	15.79	6.82	2.69	0.94	0.81	2.29

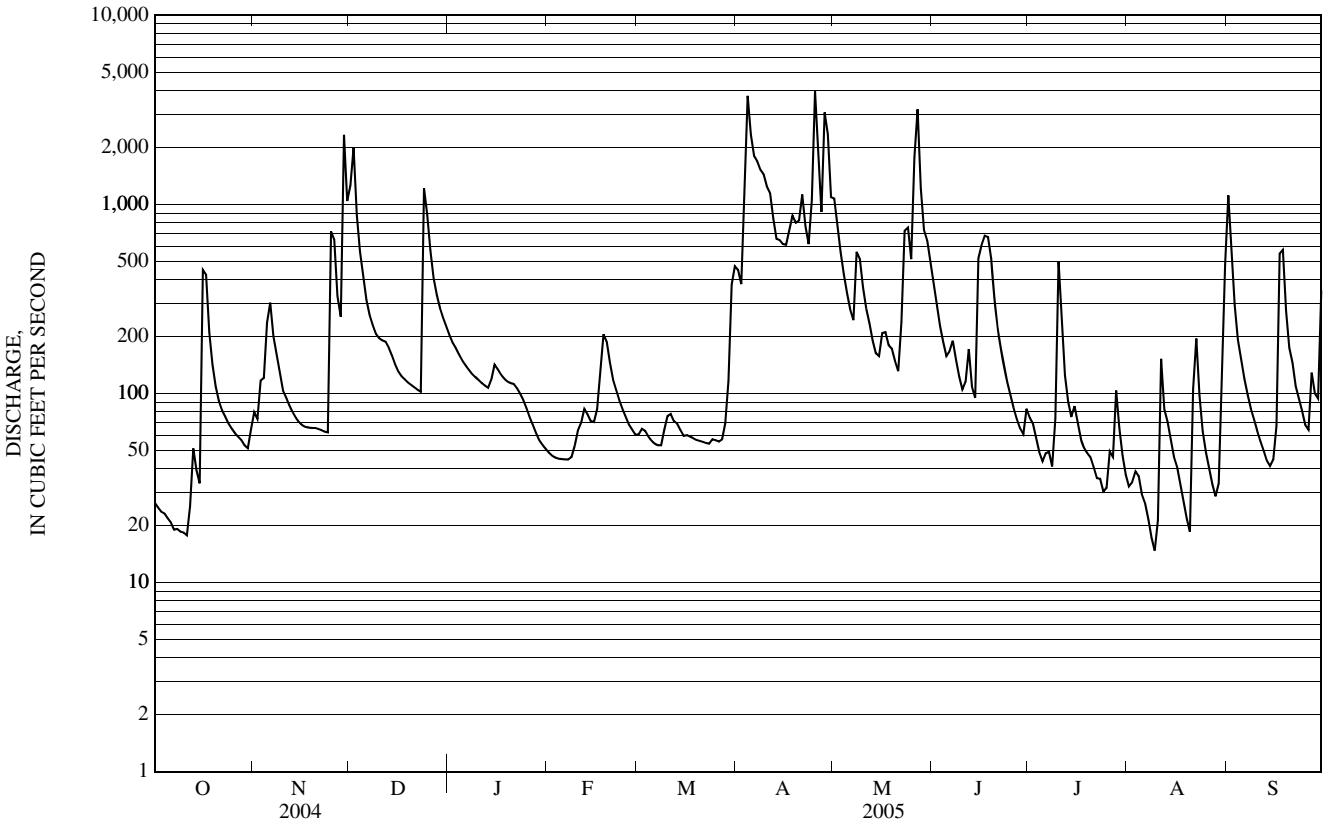
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	149	197	234	83.9	84.0	319	738	256	177	57.4	38.0	79.0
MAX	583	427	720	201	186	665	1,350	564	535	127	162	295
(WY)	(2004)	(2004)	(2004)	(1999)	(1998)	(1998)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1997 - 2005	
ANNUAL TOTAL	64,757		106,309			
ANNUAL MEAN	177		291		201	
HIGHEST ANNUAL MEAN					291	2005
LOWEST ANNUAL MEAN					125	2003
HIGHEST DAILY MEAN	2,330	Nov 29	3,960	Apr 25	4,160	Dec 18, 2003
LOWEST DAILY MEAN	15	Jun 29	15	Aug 9	1.2	Aug 19, 2001
ANNUAL SEVEN-DAY MINIMUM	18	Jun 26	19	Oct 5	1.4	Aug 14, 2001
MAXIMUM PEAK FLOW			5,470	May 26	5,470	May 26, 2005
MAXIMUM PEAK STAGE			13.25	Apr 3	18.43	Dec 20, 2003
INSTANTANEOUS LOW FLOW			12	Aug 10	1.1	Aug 20, 2001
ANNUAL RUNOFF (CFSM)	1.85		3.05		2.11	
ANNUAL RUNOFF (INCHES)	25.25		41.45		28.68	
10 PERCENT EXCEEDS	449		742		546	
50 PERCENT EXCEEDS	77		105		68	
90 PERCENT EXCEEDS	28		40		15	



01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME

LOCATION.--Lat 45° 10'30", 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.

DRAINAGE AREA.--298 mi^2.

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, Nov. 13-24, Dec. 6-25, Dec. 27 to Apr. 2, and period of no gage-height record, June 29 to July 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 ft^3/s, Apr. 1, 1987, gage height, 22.62 ft, from rating curve extended above 20,000 ft^3/s on basis of slope-area measurement; minimum discharge, 5.0 ft^3/s, Aug. 6, 1905, Nov. 22, 1908.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	1315	7,450	8.99	Apr 29	0100	10,800	11.17
Dec 2	0415	6,820	8.56	May 27	0600	11,500	11.59
Apr 4	0730	9,570	10.43	Sept 1	1200	4,110	6.59
Apr 25	1845	*12,600	*12.19				

Minimum discharge, 49 ft^3/s, Oct. 11, gage height, 1.80 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	203	2,740	e527	e138	e150	e1,460	3,420	1,390	e262	96	3,550
2	75	198	5,560	e477	e137	e161	e1,360	2,530	1,040	224	207	1,910
3	70	257	2,860	e441	e136	e161	3,560	1,800	807	189	196	982
4	66	303	1,800	e408	e135	e154	8,870	1,340	650	162	147	616
5	63	439	1,320	e373	e134	e150	6,970	1,080	534	140	112	439
6	60	678	e917	e354	e136	e148	5,570	896	513	148	95	336
7	58	533	e747	e343	e141	e148	5,300	773	616	168	83	274
8	56	442	e635	e324	e142	e163	4,750	1,250	519	147	72	230
9	56	355	e568	e315	e157	e293	4,740	1,310	415	173	64	199
10	53	282	e530	e302	e182	e293	3,910	1,010	350	1,160	61	173
11	51	254	e512	e291	e308	e289	3,610	812	321	799	296	152
12	52	229	e506	e285	e282	e270	2,670	681	374	455	283	135
13	76	e197	e478	e274	e257	e245	1,970	559	295	304	202	120
14	82	e178	e437	e268	e234	e226	1,740	473	265	236	179	111
15	75	e168	e413	e306	e222	e209	1,640	442	888	378	142	115
16	565	e162	e395	e309	e220	e197	1,580	546	1,320	406	130	155
17	1,110	e157	e378	e296	e240	e185	1,910	585	1,540	283	106	801
18	681	e155	e362	e280	e407	e173	2,560	522	1,780	209	87	1,490
19	449	e155	e348	e267	e413	e163	2,540	483	1,440	175	73	834
20	327	e155	e333	e267	e360	e152	2,630	411	977	157	66	543
21	259	e153	e322	e266	e292	e144	3,340	354	691	136	147	411
22	223	e151	e312	e246	e254	e143	2,490	458	525	120	450	311
23	200	e149	e304	e227	e219	e143	1,880	1,190	414	119	267	259
24	180	e148	e2,590	e206	e195	e150	2,530	1,560	333	104	173	218
25	166	1,120	e2,630	e186	e176	e143	10,100	1,150	284	104	135	183
26	155	1,550	1,580	e169	e162	e149	7,180	2,860	239	134	107	170
27	147	924	e1,080	e159	e154	e145	3,700	9,520	210	136	89	251
28	138	694	e866	e150	e148	e156	6,750	4,800	186	234	77	258
29	129	5,320	e732	e147	---	e240	8,260	2,660	e178	188	81	234
30	123	3,590	e651	e142	---	e897	4,270	2,150	e166	137	291	683
31	146	---	e579	e138	---	e1,370	---	1,890	---	107	996	---
TOTAL	5,967	19,299	33,485	8,743	5,981	7,610	119,840	49,515	19,260	7,694	5,510	16,143
MEAN	192	643	1,080	282	214	245	3,995	1,597	642	248	178	538
MAX	1,110	5,320	5,560	527	413	1,370	10,100	9,520	1,780	1,160	996	3,550
MIN	51	148	304	138	134	143	1,360	354	166	104	61	111
CFSM	0.65	2.16	3.62	0.95	0.72	0.82	13.4	5.36	2.15	0.83	0.60	1.81
IN.	0.74	2.41	4.18	1.09	0.75	0.95	14.96	6.18	2.40	0.96	0.69	2.02

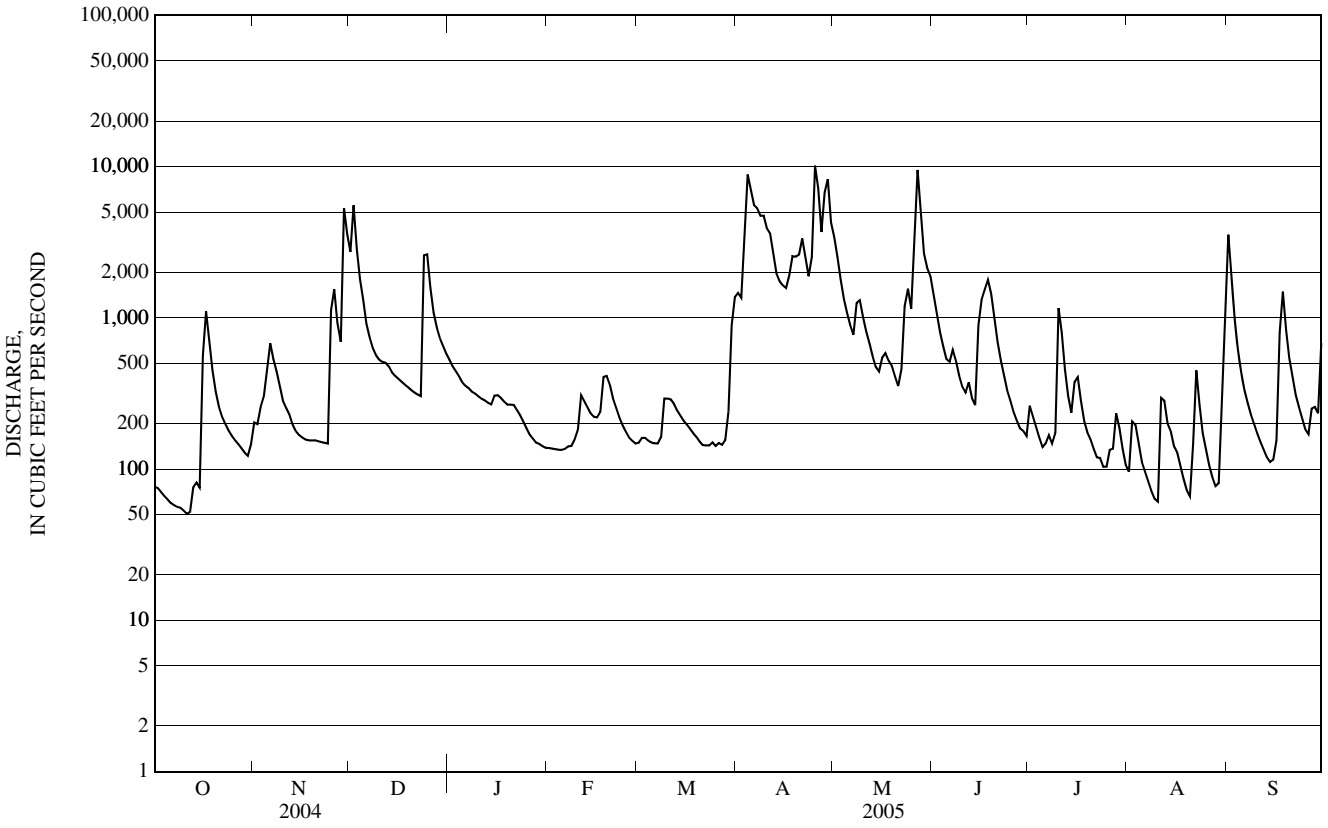
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2005, BY WATER YEAR (WY)

MEAN	397	674	559	307	271	606	2,090	1,249	469	240	171	187
MAX	1,910	2,468	2,699	1,441	1,582	3,791	3,995	3,399	1,916	1,378	974	1,461
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1903 - 2005	
ANNUAL TOTAL	181,025		299,047			
ANNUAL MEAN	495		819		601	
HIGHEST ANNUAL MEAN					990	1954
LOWEST ANNUAL MEAN					238	1911
HIGHEST DAILY MEAN	5,560	Dec 2	10,100	Apr 25	31,700	Apr 1, 1987
LOWEST DAILY MEAN	51	Oct 11	51	Oct 11	5.0	Aug 6, 1905
ANNUAL SEVEN-DAY MINIMUM	55	Oct 6	55	Oct 6	9.5	Sep 11, 2001
MAXIMUM PEAK FLOW			12,600	Apr 25	37,300	Apr 1, 1987
MAXIMUM PEAK STAGE			12.19	Apr 25	22.62	Apr 1, 1987
INSTANTANEOUS LOW FLOW			49	Oct 11	5.0	Aug 6, 1905
ANNUAL RUNOFF (CFSM)	1.66		2.75		2.02	
ANNUAL RUNOFF (INCHES)	22.60		37.33		27.42	
10 PERCENT EXCEEDS	1,130		2,290		1,550	
50 PERCENT EXCEEDS	232		283		250	
90 PERCENT EXCEEDS	82		120		54	



01034000 PISCATAQUIS RIVER AT MEDFORD, ME

LOCATION.--Lat 45° 15'38", long 68° 52'07", 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 mi^2.

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. 8-23 and Dec. 27 to Mar. 31, which are poor. Flow regulated by Sebec Lake, 15 mi upstream, and other small reservoirs and power plants above station, usable capacity about 2.511 billion ft^3. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,100 ft^3/s, Nov. 4, 1966, gage height, 15.58 ft; minimum discharge, 77 ft^3/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 ft^3/s, Apr. 1, 1987, gage height 18.65 ft, present datum, from floodmarks, from rating curve extended above 32,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	2300	15,100	8.13	Apr 26	0730	29,600	11.03
Dec 2	1500	16,800	8.52	Apr 29	1630	*35,800	*12.11
Apr 5	0315	23,800	9.97	May 27	2045	22,600	9.75

Minimum discharge, 321 ft^3/s, Oct. 7-8, gage height, 1.81 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	731	658	7,680	e2,180	e567	e623	6,170	18,600	5,810	1,360	1,120	10,500
2	509	916	14,800	e1,990	e546	e609	5,820	14,800	4,760	1,470	1,810	9,780
3	419	955	12,600	e1,820	e527	e637	7,960	11,200	4,110	1,210	2,130	6,410
4	333	1,090	8,560	e1,680	e513	e632	19,100	8,880	3,530	767	1,850	4,730
5	376	1,350	6,550	e1,560	e506	e600	23,300	7,230	3,070	667	1,390	3,710
6	373	1,870	4,930	e1,460	e498	e592	20,900	6,060	2,770	638	981	3,030
7	338	1,840	4,050	e1,380	e490	e579	18,800	5,210	3,070	649	696	2,550
8	345	1,650	e3,330	e1,320	e482	e592	16,800	6,240	2,890	652	525	2,240
9	351	1,450	e2,920	e1,270	e488	e975	15,700	7,140	2,510	686	489	2,060
10	369	1,270	e2,680	e1,220	e559	e1,220	13,900	6,110	1,920	2,290	474	1,930
11	356	1,160	e2,480	e1,190	e882	e1,280	12,600	5,110	1,340	3,310	585	1,770
12	336	1,110	e2,380	e1,150	e1,170	e1,210	10,800	4,400	1,760	2,490	996	1,590
13	367	1,020	e2,290	e1,120	e1,110	e1,090	8,820	3,840	1,590	2,090	915	758
14	366	956	e2,120	e1,090	e1,020	e946	7,620	3,420	1,350	1,940	791	743
15	402	927	e1,740	e1,210	e973	e867	6,960	3,190	2,630	3,010	741	708
16	637	923	e1,630	e1,260	e941	e813	6,400	3,420	4,260	2,890	676	741
17	2,880	925	e1,540	e1,190	e969	e790	6,340	3,750	4,660	2,330	682	1,350
18	2,750	858	e1,480	e1,120	e1,470	e754	7,190	3,540	5,190	1,520	975	4,060
19	2,160	868	e1,400	e1,060	e1,750	e708	7,690	2,480	4,540	1,630	897	3,510
20	1,790	842	e1,330	e1,020	e1,610	e672	7,710	1,940	3,710	1,600	461	2,680
21	1,570	891	e1,290	e1,020	e1,310	e656	9,030	1,560	2,980	1,720	451	2,570
22	1,420	895	e1,260	e981	e1,120	e572	8,300	1,580	2,320	1,620	1,080	2,250
23	1,330	868	e1,230	e943	e976	e603	6,820	2,900	1,900	1,380	1,250	1,880
24	1,040	840	4,020	e867	e867	e579	7,270	4,690	1,360	710	1,330	1,100
25	1,180	1,870	8,760	e781	e790	e556	18,400	4,000	1,520	689	1,190	950
26	1,200	4,410	6,930	e724	e740	e547	27,700	5,200	1,040	859	1,010	1,050
27	1,120	3,380	e5,260	e683	e686	e542	17,600	19,700	907	902	565	1,650
28	658	2,530	e4,030	e651	e648	e558	18,300	17,800	765	1,250	500	1,810
29	561	9,270	e3,260	e629	---	e827	33,900	10,400	764	1,300	513	1,580
30	486	11,500	e2,780	e604	---	e3,140	27,800	8,080	1,060	1,410	1,230	1,930
31	494	---	e2,450	e581	---	e5,100	---	6,950	---	1,260	3,400	---
TOTAL	27,247	59,092	127,760	35,754	24,208	29,869	405,700	209,420	80,086	46,299	31,703	81,620
MEAN	879	1,970	4,121	1,153	865	964	13,520	6,755	2,670	1,494	1,023	2,721
MAX	2,880	11,500	14,800	2,180	1,750	5,100	33,900	19,700	5,810	3,310	3,400	10,500
MIN	333	658	1,230	581	482	542	5,820	1,560	764	638	451	708
CFSM	0.76	1.70	3.55	0.99	0.74	0.83	11.6	5.81	2.30	1.29	0.88	2.34
IN.	0.87	1.89	4.09	1.14	0.77	0.96	12.99	6.70	2.56	1.48	1.01	2.61

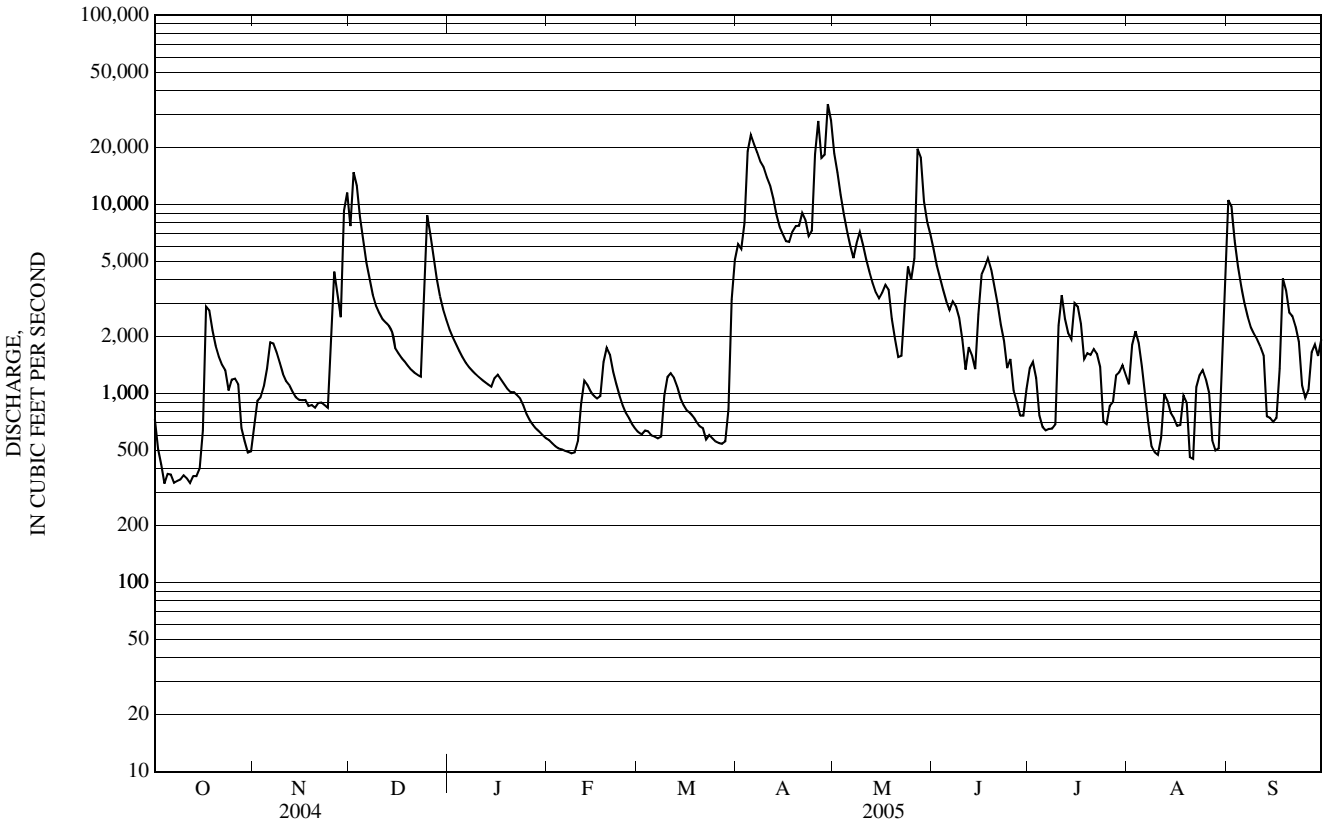
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2005, BY WATER YEAR (WY)

MEAN	1,594	2,616	2,342	1,404	1,352	2,330	7,244	4,659	1,876	1,065	772	937
MAX	6,289	7,672	11,590	4,834	5,659	14,520	13,520	10,920	4,678	5,162	3,686	5,426
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1924 - 2005	
ANNUAL TOTAL	679,229		1,158,758			
ANNUAL MEAN	1,856		3,175		2,349	
HIGHEST ANNUAL MEAN					3,715	1954
LOWEST ANNUAL MEAN					1,254	1957
HIGHEST DAILY MEAN	14,800	Dec 2	33,900	Apr 29	52,900	Nov 4, 1966
LOWEST DAILY MEAN	333	Oct 4	333	Oct 4	79	Sep 20, 2001
ANNUAL SEVEN-DAY MINIMUM	352	Oct 7	352	Oct 7	90	Sep 16, 2001
MAXIMUM PEAK FLOW			35,800	Apr 29	60,100	Nov 4, 1966
MAXIMUM PEAK STAGE			12.11	Apr 29	15.58	Nov 4, 1966
INSTANTANEOUS LOW FLOW			321	Oct 7	77	Sep 20, 2001
ANNUAL RUNOFF (CFSM)	1.60		2.73		2.02	
ANNUAL RUNOFF (INCHES)	21.74		37.10		27.46	
10 PERCENT EXCEEDS	4,080		7,700		5,640	
50 PERCENT EXCEEDS	1,020		1,360		1,200	
90 PERCENT EXCEEDS	433		560		418	



01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME

LOCATION.--Lat 45° 14'10", long 68° 39'05", 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 mi^2, including 249 mi^2 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. 6-23, Dec. 28 to Apr. 5, and period of no gage-height record, Mar. 30 to Apr. 1, which are fair. Flow regulated by many reservoirs above station, combined capacity about 54.336 billion ft^3. Telephone and satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 153,000 ft^3/s, May 1, 1923, gage height, 25.15 ft; minimum daily discharge, 1,630 ft^3/s, Oct. 29, 1905.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 107,000 ft^3/s, Apr. 29, gage height, 19.76 ft; minimum daily discharge, 4,120 ft^3/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,700	4,480	25,100	e12,500	e6,630	e6,130	e23,800	86,000	29,900	8,090	7,050	21,500
2	6,560	4,640	34,100	e12,800	e6,500	e6,440	e25,800	75,800	26,100	7,630	7,910	27,900
3	6,630	4,970	36,400	e11,800	e6,340	e6,510	e31,500	64,700	23,900	7,810	9,230	21,600
4	6,490	5,260	29,300	e10,900	e6,220	e6,270	e49,700	53,600	20,400	6,560	9,340	17,500
5	6,610	5,790	24,700	e10,300	e6,120	e6,110	e61,100	46,800	17,400	6,480	8,420	13,900
6	6,650	6,870	e19,600	e9,590	e6,030	e6,460	60,300	40,600	16,000	6,000	7,620	12,100
7	6,480	7,500	e15,900	e9,040	e5,920	e6,300	58,500	34,800	15,100	6,650	6,350	10,700
8	6,250	6,920	e14,500	e8,610	e5,830	e6,140	56,200	38,600	13,500	5,870	6,620	9,880
9	6,240	6,950	e13,500	e8,230	e5,760	e6,080	54,300	44,300	12,900	6,370	6,090	9,610
10	6,010	6,110	e12,900	e7,870	e5,770	e6,820	52,400	40,500	12,300	8,230	5,550	9,450
11	5,800	5,880	e11,300	e7,640	e6,000	e7,220	49,200	35,700	11,300	11,600	6,010	8,460
12	5,650	5,930	e10,800	e7,430	e6,090	e7,470	44,100	30,000	11,000	10,700	5,850	7,970
13	5,700	5,480	e10,700	e7,210	e5,990	e7,700	39,400	26,100	10,600	9,210	6,260	7,370
14	5,610	5,030	e9,910	e7,050	e5,850	e7,540	35,500	23,200	11,400	8,660	6,020	6,250
15	5,390	5,050	e8,350	e8,140	e6,310	e7,210	31,300	20,400	11,700	9,220	6,010	6,890
16	4,460	4,950	e7,740	e10,900	e7,220	e7,170	28,700	19,100	12,700	10,100	5,240	6,960
17	7,470	4,930	e7,500	e10,700	e7,800	e7,280	26,600	20,000	17,800	9,290	4,900	7,110
18	8,850	4,630	e7,470	e9,980	e8,400	e7,320	26,800	19,000	20,300	8,440	5,580	10,700
19	8,180	4,970	e7,270	e9,680	e8,700	e7,250	27,300	17,900	20,100	7,730	5,720	11,900
20	7,570	4,780	e6,870	e10,300	e8,440	e7,240	28,400	14,700	18,000	8,790	5,220	11,500
21	6,920	4,820	e6,760	e10,400	e7,950	e7,140	31,300	13,800	15,900	8,190	5,290	11,300
22	6,400	4,930	e7,060	e9,810	e7,310	e7,030	31,900	14,500	14,600	7,830	6,080	10,700
23	6,400	4,720	e8,080	e9,090	e7,580	e7,070	29,000	16,500	12,900	7,390	7,620	9,640
24	5,750	4,680	13,500	e8,500	e7,450	e7,100	27,900	20,700	11,200	6,920	6,990	8,750
25	5,280	5,910	23,500	e8,130	e7,050	e7,100	41,700	22,200	9,820	6,360	5,350	7,500
26	5,510	11,300	23,600	e7,850	e6,810	e7,100	67,600	23,200	10,000	6,990	5,220	7,900
27	5,530	11,900	19,400	e7,620	e6,940	e7,130	63,600	42,400	9,040	6,870	4,850	9,290
28	4,700	10,800	e16,900	e7,360	e6,470	e7,270	67,400	48,900	7,780	7,930	4,120	9,750
29	4,400	17,900	e15,000	e7,190	---	e9,500	99,300	39,200	7,210	7,770	4,980	10,400
30	4,280	29,200	e14,100	e7,010	---	e13,700	101,000	34,500	7,360	7,350	5,510	10,800
31	4,180	---	e13,200	e6,810	---	e18,800	---	32,300	---	7,140	11,500	---
TOTAL	188,650	217,280	475,010	280,440	189,480	235,600	1,371,600	1,060,000	438,210	244,170	198,500	335,280
MEAN	6,085	7,243	15,320	9,046	6,767	7,600	45,720	34,190	14,610	7,876	6,403	11,180
MAX	8,850	29,200	36,400	12,800	8,700	18,800	101,000	86,000	29,900	11,600	11,500	27,900
MIN	4,180	4,480	6,760	6,810	5,760	6,080	23,800	13,800	7,210	5,870	4,120	6,250

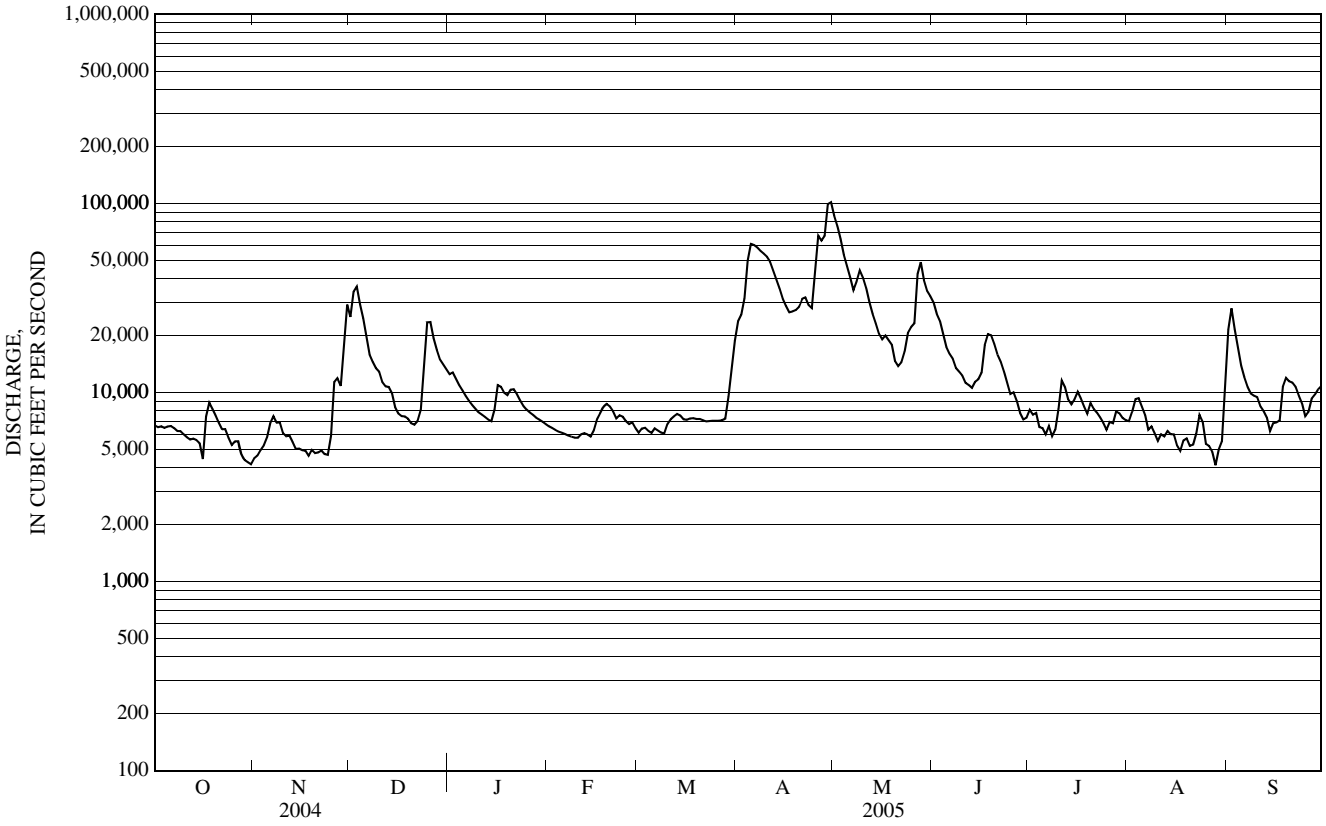
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2005, BY WATER YEAR (WY)

MEAN	8,455	11,700	10,720	7,976	7,403	11,000	29,630	23,590	11,610	7,685	6,434	6,644
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1903 - 2005	
ANNUAL TOTAL	3,471,120		5,234,220			
ANNUAL MEAN	9,484		14,340		11,910	
HIGHEST ANNUAL MEAN					17,760	1973
LOWEST ANNUAL MEAN					6,382	1911
HIGHEST DAILY MEAN	36,400	Dec 3	101,000	Apr 30	152,000	May 1, 1923
LOWEST DAILY MEAN	3,860	Jun 21	4,120	Aug 28	1,630	Oct 29, 1905
ANNUAL SEVEN-DAY MINIMUM	4,140	Jun 27	4,520	Oct 28	1,700	Feb 11, 1904
MAXIMUM PEAK FLOW			107,000	Apr 29	153,000	May 1, 1923
MAXIMUM PEAK STAGE			19.76	Apr 29	25.15	May 1, 1923
10 PERCENT EXCEEDS	18,000		31,700		25,500	
50 PERCENT EXCEEDS	7,090		8,080		7,760	
90 PERCENT EXCEEDS	4,710		5,570		4,520	



01036390 PENOBSCOT RIVER AT EDDINGTON, ME

LOCATION.--Lat 44° 49'36", long 68° 41'48", 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 mi^2, including 249 mi^2 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 ft^3. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum gage height, 18.72 ft, Apr. 30, 2005; minimum gage height, 0.46 ft, Aug. 29, 2002.

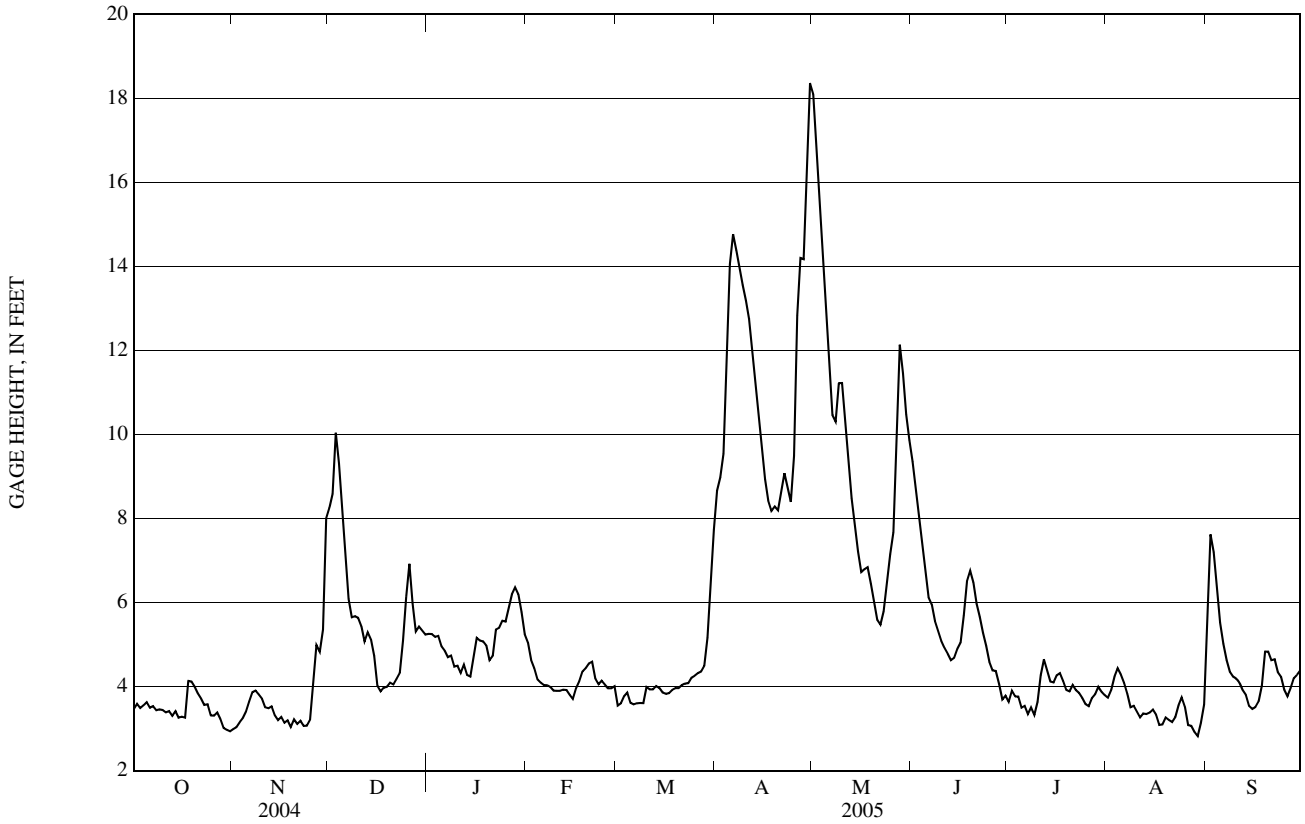
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 23.53 ft, Apr. 3, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 18.72 ft, Apr. 30; minimum gage height, 1.57 ft, Oct. 15.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.47	2.99	8.25	5.26	5.05	3.55	8.67	18.10	9.35	3.64	3.74	5.39
2	3.59	3.04	8.59	5.25	4.63	3.60	8.98	16.98	8.68	3.90	3.92	7.62
3	3.49	3.15	10.04	5.18	4.44	3.77	9.54	15.74	8.02	3.77	4.24	7.20
4	3.55	3.25	9.31	5.21	4.17	3.86	11.43	14.12	7.41	3.76	4.44	6.32
5	3.63	3.40	8.28	4.96	4.10	3.62	14.06	12.72	6.72	3.50	4.29	5.52
6	3.50	3.65	7.29	4.86	4.04	3.58	14.77	11.57	6.12	3.54	4.09	5.02
7	3.53	3.86	6.09	4.70	4.03	3.60	14.39	10.47	5.96	3.35	3.83	4.63
8	3.44	3.91	5.65	4.74	3.99	3.61	13.98	10.31	5.56	3.51	3.51	4.35
9	3.46	3.81	5.68	4.48	3.91	3.61	13.56	11.22	5.32	3.33	3.54	4.24
10	3.44	3.71	5.64	4.50	3.90	3.99	13.20	11.23	5.09	3.64	3.41	4.19
11	3.39	3.51	5.44	4.33	3.90	3.93	12.75	10.41	4.92	4.28	3.26	4.10
12	3.42	3.48	5.07	4.52	3.93	3.93	12.04	9.46	4.78	4.65	3.36	3.92
13	3.30	3.53	5.29	4.28	3.92	4.01	11.22	8.48	4.63	4.39	3.35	3.81
14	3.42	3.32	5.12	4.24	3.80	3.97	10.40	7.81	4.68	4.12	3.38	3.54
15	3.26	3.20	4.73	4.69	3.71	3.86	9.65	7.21	4.90	4.10	3.45	3.47
16	3.28	3.28	4.02	5.16	3.96	3.83	8.93	6.73	5.05	4.27	3.33	3.52
17	3.26	3.14	3.88	5.10	4.13	3.85	8.43	6.80	5.69	4.32	3.09	3.65
18	4.13	3.19	3.98	5.08	4.36	3.92	8.18	6.84	6.51	4.13	3.10	4.03
19	4.12	3.04	4.00	4.98	4.44	3.97	8.29	6.46	6.76	3.92	3.26	4.83
20	4.00	3.22	4.09	4.63	4.55	3.96	8.20	6.02	6.48	3.89	3.21	4.83
21	3.84	3.11	4.05	4.73	4.59	4.04	8.66	5.59	5.98	4.04	3.16	4.63
22	3.72	3.19	4.19	5.36	4.19	4.07	9.08	5.48	5.66	3.92	3.28	4.65
23	3.57	3.07	4.33	5.40	4.06	4.08	8.73	5.79	5.28	3.85	3.55	4.34
24	3.58	3.07	5.09	5.57	4.14	4.21	8.40	6.51	4.97	3.73	3.74	4.23
25	3.31	3.21	6.14	5.55	4.05	4.26	9.49	7.15	4.59	3.58	3.52	3.93
26	3.31	4.10	6.92	5.88	3.96	4.32	12.83	7.67	4.39	3.53	3.08	3.77
27	3.39	4.99	5.98	6.20	3.96	4.36	14.20	9.70	4.37	3.72	3.07	3.97
28	3.23	4.83	5.31	6.36	4.01	4.50	14.17	12.14	4.06	3.82	2.92	4.20
29	3.02	5.35	5.43	6.20	---	5.16	16.39	11.45	3.70	4.00	2.82	4.28
30	2.97	8.00	5.33	5.78	---	6.40	18.36	10.48	3.78	3.88	3.14	4.38
31	2.94	---	5.24	5.25	---	7.73	---	9.86	---	3.80	3.57	---
MEAN	3.47	3.69	5.76	5.11	4.14	4.17	11.37	9.69	5.65	3.87	3.47	4.55
MAX	4.13	8.00	10.04	6.36	5.05	7.73	18.36	18.10	9.35	4.65	4.44	7.62
MIN	2.94	2.99	3.88	4.24	3.71	3.55	8.18	5.48	3.70	3.33	2.82	3.47

01036390 PENOBSCOT RIVER AT EDDINGTON, ME—Continued



01037380 DUCKTRAP RIVER NEAR LINCOLNVILLE, ME

LOCATION.--Lat 44° 19'45", long 69° 03'39", 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 mi^2

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 ft^3/s and 6 ft^3/s, which are fair, flows below 6 ft^3/s, periods of ice effect, Dec. 15-16, 18, 20-21, 25, 27-30, Jan. 1-29, Feb. 26 to Mar. 7, and period of no gage-height record, Jan. 14-29, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,070 ft^3/s, Apr. 28, 2005, gage height, 5.50 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 3	1715	1,050	5.48	May 26	2115	869	5.22
Apr 28	1045	*1,070	*5.50				

Minimum discharge, 0.06 ft^3/s, Sept. 26, gage height, 1.24 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	7.9	198	e31	14	e17	190	180	89	8.7	0.97	6.1
2	3.9	7.3	235	e25	14	e16	184	127	70	8.1	1.2	3.5
3	3.6	14	153	e41	14	e16	726	97	56	6.2	1.1	1.7
4	3.2	11	109	e35	14	e16	592	75	45	5.5	0.91	1.0
5	3.0	23	85	e31	14	e15	285	60	37	5.7	0.84	0.72
6	2.6	19	62	e28	14	e14	194	48	30	4.7	1.3	0.45
7	2.2	17	51	e25	13	e13	162	82	27	4.4	0.99	0.35
8	2.2	17	73	e24	13	25	150	153	22	3.9	0.88	0.28
9	2.3	17	58	e22	14	45	126	115	19	11	0.53	0.24
10	2.4	16	50	e20	17	39	105	90	17	10	0.55	0.18
11	2.5	15	78	e20	22	32	89	71	15	6.6	0.56	0.15
12	2.5	14	72	e18	21	32	76	58	13	5.5	0.59	0.14
13	2.7	13	62	e17	18	29	67	45	12	4.7	0.67	0.13
14	2.5	13	54	e33	17	27	57	37	16	4.2	0.71	0.08
15	2.5	12	e46	e45	98	25	49	35	58	3.9	2.2	0.18
16	24	11	e38	e38	96	25	42	41	55	3.4	1.6	0.30
17	17	11	32	e32	109	24	38	35	64	3.3	1.1	1.0
18	13	10	e28	e29	69	24	34	36	73	3.0	0.89	1.1
19	9.3	10	26	e27	56	24	29	33	61	2.9	0.64	0.71
20	7.8	9.9	e23	e24	46	25	27	30	47	2.7	0.57	0.39
21	7.7	9.8	e20	e22	37	28	49	26	37	2.5	0.82	0.34
22	7.9	10	18	e22	33	31	36	71	32	2.1	0.82	0.21
23	7.8	10	24	e21	30	33	34	145	26	2.0	0.74	0.15
24	8.2	10	119	e20	27	34	55	163	21	1.6	0.70	0.10
25	7.5	38	e66	e18	25	37	157	175	17	1.2	0.91	0.08
26	7.2	45	52	e18	e21	39	112	575	14	1.1	0.90	0.11
27	6.8	32	e46	e17	e19	42	117	615	12	1.1	0.59	0.33
28	7.4	38	e39	e16	e18	78	824	286	11	2.4	0.38	0.23
29	5.9	250	e36	e15	---	269	557	167	9.8	1.3	0.69	0.34
30	5.9	146	e32	16	---	281	231	149	9.2	0.81	2.4	1.0
31	8.3	---	29	15	---	244	---	113	---	0.67	2.5	---
TOTAL	193.9	856.9	2,014	765	903	1,599	5,394	3,933	1,015.0	125.18	30.25	21.59
MEAN	6.25	28.6	65.0	24.7	32.2	51.6	180	127	33.8	4.04	0.98	0.72
MAX	24	250	235	45	109	281	824	615	89	11	2.5	6.1
MIN	2.2	7.3	18	15	13	13	27	26	9.2	0.67	0.38	0.08
CFSM	0.43	1.98	4.51	1.71	2.24	3.58	12.5	8.81	2.35	0.28	0.07	0.05
IN.	0.50	2.21	5.20	1.98	2.33	4.13	13.93	10.16	2.62	0.32	0.08	0.06

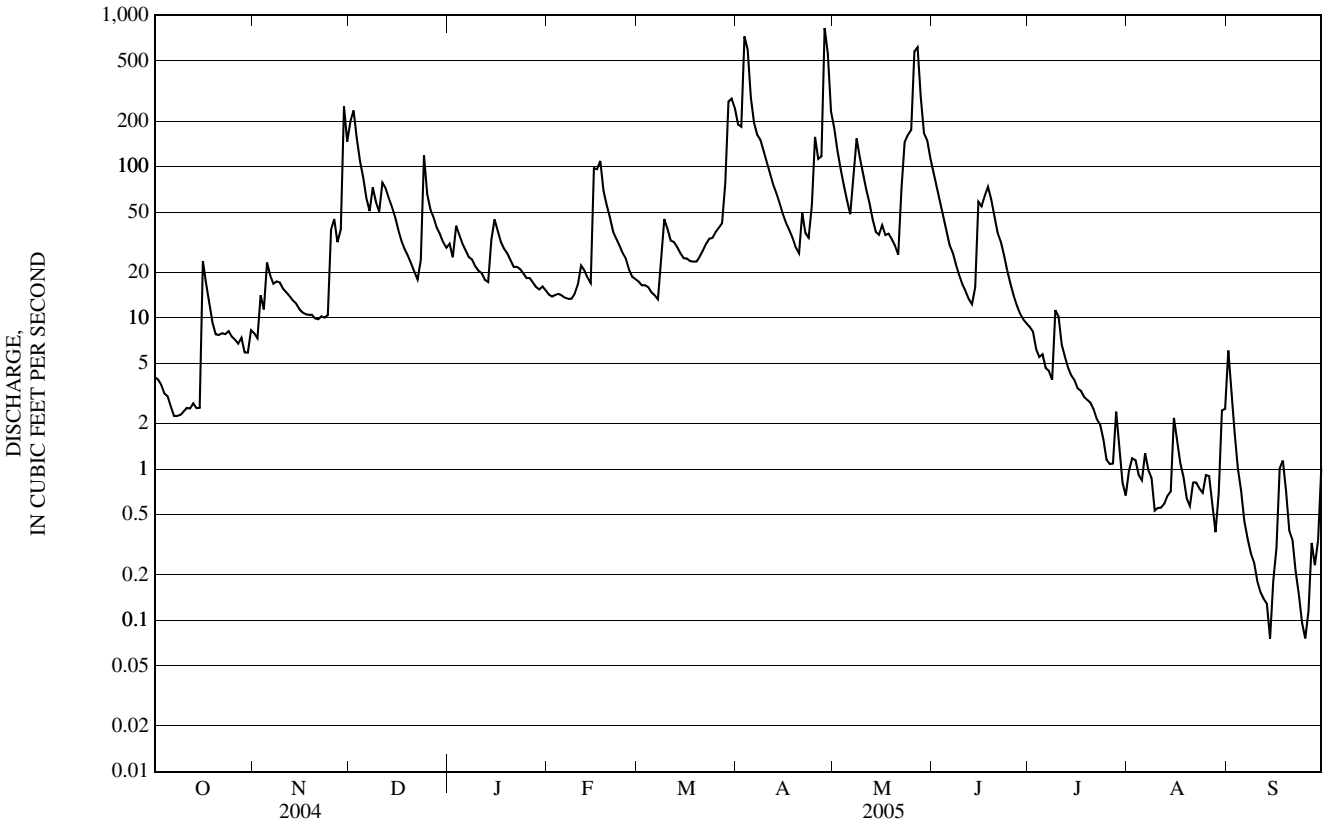
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	9.89	27.5	42.1	30.2	24.5	59.3	81.2	44.1	15.8	5.28	2.43	2.27
MAX	28.4	49.0	89.4	117	57.8	103	180	127	33.8	16.0	15.8	11.9
(WY)	(2000)	(2004)	(2004)	(1999)	(1999)	(1999)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)
MIN	0.07	0.37	3.21	7.84	5.07	21.8	28.4	11.4	8.32	0.91	0.01	0.07
(WY)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)	(1999)	(2001)	(2001)	(2001)	(2001)	(2001)

e Estimated

01037380 DUCKTRAP RIVER NEAR LINCOLNVILLE, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL TOTAL	9,537.1		16,850.82			
ANNUAL MEAN	26.1		46.2		28.7	
HIGHEST ANNUAL MEAN					46.2	2005
LOWEST ANNUAL MEAN					18.4	2001
HIGHEST DAILY MEAN	250	Nov 29	824	Apr 28	824	Apr 28, 2005
LOWEST DAILY MEAN	2.2	Oct 7	0.08	Sep 14	0.00	Aug 17, 2001
ANNUAL SEVEN-DAY MINIMUM	2.4	Oct 6	0.16	Sep 9	0.00	Aug 17, 2001
MAXIMUM PEAK FLOW			1,070	Apr 28	1,070	Apr 28, 2005
MAXIMUM PEAK STAGE			5.50	Apr 28	5.82	Jan 15, 1999
INSTANTANEOUS LOW FLOW			0.06	Sep 26	0.00	Aug 17, 2001
ANNUAL RUNOFF (CFSM)	1.81		3.21		1.99	
ANNUAL RUNOFF (INCHES)	24.64		43.53		27.05	
10 PERCENT EXCEEDS	62		112		73	
50 PERCENT EXCEEDS	14		18		13	
90 PERCENT EXCEEDS	4.5		0.73		0.18	



01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME

LOCATION.--Lat 44° 13'22", long 69° 35'38", 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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--
DISCHARGE: October 1938 to current year.
CHEMICAL ANALYSES: Water years 1954-56.
SPECIFIC CONDUCTANCE: 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 periods of ice effect, Dec. 21, Dec. 25 to Jan. 13 and Jan. 16 to Mar. 19, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,350 ft^3/s, Apr. 1, 1987, gage height, 13.71 ft; minimum discharge, 5.0 ft^3/s, Oct. 24, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Dec 1	2315	1,420	5.38	Apr 28	2115	2,690	7.19
Apr 4	0130	*4,500	*9.50	May 27	1230	1,350	5.27

Minimum discharge, 15 ft^3/s, Aug. 28-29, gage height, 1.69 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	44	845	e360	e189	e151	1,590	1,770	799	105	24	94
2	70	43	1,290	e340	e184	e144	1,550	1,480	702	88	24	81
3	66	54	1,090	e377	e178	e136	3,410	1,230	613	63	28	61
4	61	60	1,030	e396	e173	e130	3,950	1,010	533	55	26	51
5	57	90	928	e370	e168	e125	3,120	840	465	50	24	45
6	52	103	789	e334	e164	e120	2,450	710	420	52	24	40
7	44	86	676	e319	e160	e116	1,870	657	375	50	23	36
8	38	85	618	e299	e154	e118	1,590	979	334	46	22	33
9	37	79	545	e284	e149	e131	1,350	844	289	53	20	31
10	35	77	488	e269	e154	e161	1,140	764	256	60	19	28
11	34	81	579	e256	e225	e155	970	698	234	57	17	26
12	33	85	586	e234	e265	e155	825	625	212	50	16	24
13	33	84	528	e228	e246	e154	734	539	197	45	17	22
14	33	83	491	427	e233	e154	658	470	202	45	18	21
15	32	79	412	581	e264	e156	578	424	298	46	30	25
16	54	77	385	e462	e353	e158	491	430	308	42	27	27
17	75	74	351	e416	e395	e157	430	397	351	38	23	59
18	59	75	331	e374	e378	e155	392	369	361	36	20	68
19	52	74	308	e339	e345	e152	353	341	325	34	19	48
20	72	67	284	e317	e316	164	327	314	299	33	18	41
21	86	69	e254	e297	e284	180	448	293	275	30	18	38
22	86	69	226	e282	e264	197	408	307	255	28	19	35
23	84	66	244	e271	e244	217	395	503	229	27	18	33
24	83	64	856	e260	e221	222	750	700	204	25	18	30
25	59	136	e605	e247	e203	235	1,420	655	184	23	18	29
26	47	186	e557	e237	e187	268	1,250	979	167	23	17	29
27	46	148	e503	e226	e175	297	1,220	1,300	148	23	17	38
28	44	151	e472	e218	e162	447	2,280	1,280	130	29	15	36
29	43	792	e453	e209	---	1,410	2,410	1,210	121	28	27	34
30	42	609	e400	e202	---	1,470	2,000	1,080	113	24	83	45
31	43	---	e360	e195	---	1,590	---	909	---	23	84	---
TOTAL	1,675	3,790	17,484	9,626	6,433	9,425	40,359	24,107	9,399	1,331	773	1,208
MEAN	54.0	126	564	311	230	304	1,345	778	313	42.9	24.9	40.3
MAX	86	792	1,290	581	395	1,590	3,950	1,770	799	105	84	94
MIN	32	43	226	195	149	116	327	293	113	23	15	21
CFSM	0.37	0.87	3.89	2.14	1.58	2.10	9.28	5.36	2.16	0.30	0.17	0.28
IN.	0.43	0.97	4.49	2.47	1.65	2.42	10.35	6.18	2.41	0.34	0.20	0.31

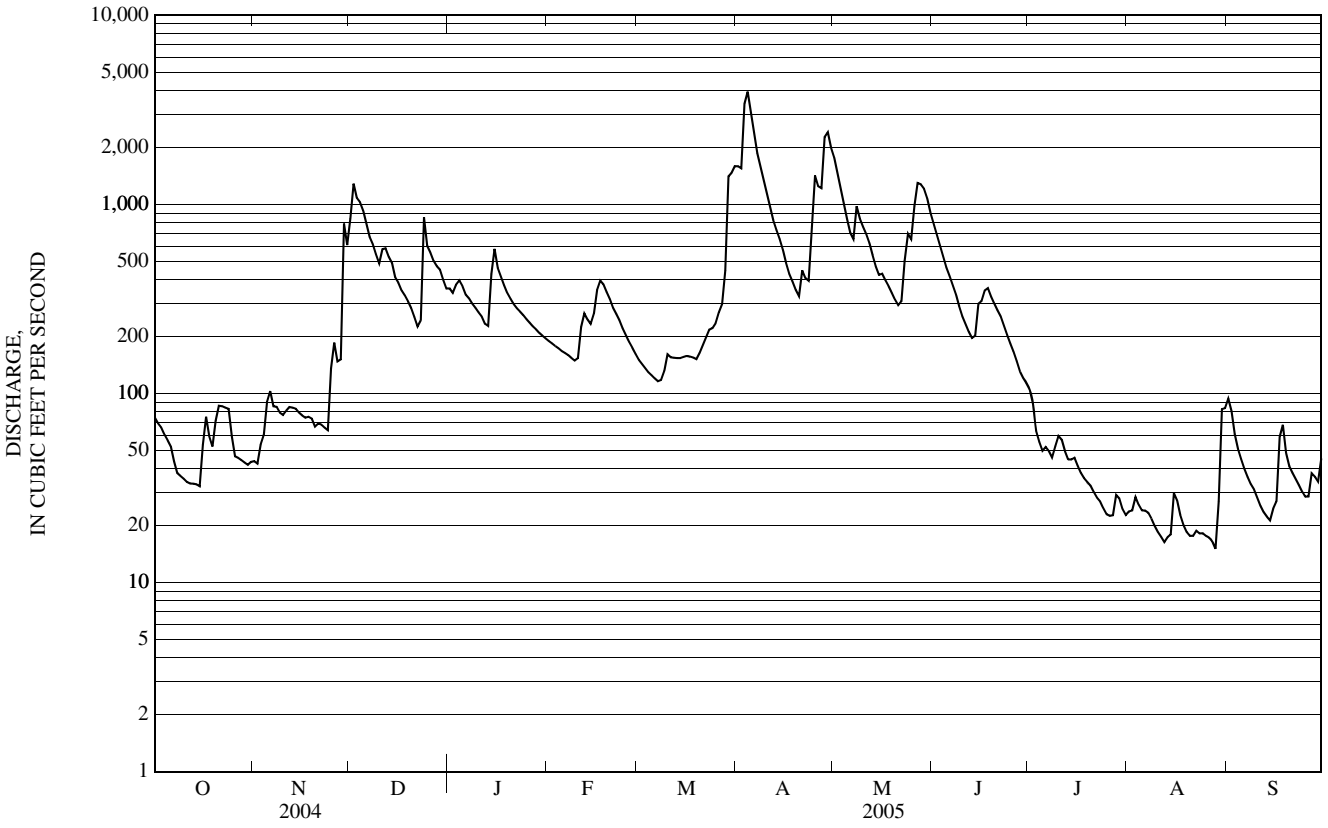
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	88.2	241	328	231	229	442	742	346	167	73.4	48.0	51.4
MAX	658	664	1,393	677	922	1,103	1,345	778	774	466	245	708
(WY)	(1978)	(1991)	(1974)	(1999)	(1970)	(1979)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL TOTAL	74,640		125,610			
ANNUAL MEAN	204		344		249	
HIGHEST ANNUAL MEAN					427	1984
LOWEST ANNUAL MEAN					115	1985
HIGHEST DAILY MEAN	1,290	Dec 2	3,950	Apr 4	6,690	Apr 1, 1987
LOWEST DAILY MEAN	26	Feb 20	15	Aug 28	5.1	Oct 24, 1941
ANNUAL SEVEN-DAY MINIMUM	28	Feb 15	17	Aug 22	5.5	Oct 18, 1941
MAXIMUM PEAK FLOW			4,500	Apr 4	7,350	Apr 1, 1987
MAXIMUM PEAK STAGE			9.50	Apr 4	13.71	Apr 1, 1987
INSTANTANEOUS LOW FLOW			15	Aug 28	5.0	Oct 24, 1941
ANNUAL RUNOFF (CFSM)	1.41		2.37		1.71	
ANNUAL RUNOFF (INCHES)	19.15		32.23		23.29	
10 PERCENT EXCEEDS	489		849		625	
50 PERCENT EXCEEDS	92		173		129	
90 PERCENT EXCEEDS	44		27		23	



01038000 SHEEPSCOT RIVER AT NORTH WHITEFEID, ME--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--
CHEMICAL ANALYSES: Water years 1954-56.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1974 to September 1976.
WATER TEMPERATURE: October 1957 to September 1971, July 1974 to September 1976, January 2004 to current year.

REMARKS.--Records good. Interruptions in the record were due to malfunctions of the monitor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 31.5 C, Aug. 2, 1975: minimum, -0.4 C on many days during January 2005.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 29.3° C, July 20, 21; minimum, -0.4° C, on several days.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.8	14.8	15.7	9.4	7.8	8.6	4.6	3.4	3.8	0.9	0.2	0.6
2	16.2	15.3	15.9	8.2	7.3	7.7	4.5	3.6	4.1	0.2	-0.4	-0.1
3	16.8	14.9	15.7	8.6	6.9	7.7	3.6	2.4	3.0	0.8	0.0	0.5
4	15.8	13.8	14.6	6.9	5.7	6.2	2.5	2.2	2.4	0.9	0.6	0.7
5	15.0	12.7	14.0	7.0	6.0	6.5	2.6	1.8	2.3	0.7	0.0	0.4
6	12.9	11.3	11.9	6.0	5.2	5.7	1.8	1.4	1.6	0.2	-0.2	-0.1
7	13.8	10.9	11.9	6.8	5.7	6.3	1.6	0.5	1.2	0.6	-0.1	0.2
8	14.9	11.5	12.8	6.8	5.3	6.1	1.1	0.6	0.9	0.4	0.0	0.2
9	15.1	12.6	13.7	5.3	3.8	4.3	1.2	0.7	1.0	0.4	-0.2	0.1
10	15.2	13.6	14.2	4.0	2.5	3.0	1.4	1.1	1.2	0.6	0.0	0.3
11	14.5	12.8	13.5	4.0	2.7	3.4	1.3	1.0	1.1	0.3	-0.3	0.0
12	12.9	11.8	12.4	3.9	2.8	3.2	1.3	1.0	1.2	0.0	-0.2	-0.1
13	13.8	11.1	12.0	3.2	2.1	2.6	1.7	1.2	1.4	0.3	-0.2	0.0
14	14.1	11.1	12.1	2.1	0.9	1.4	1.5	0.4	1.0	1.2	-0.2	0.5
15	12.9	12.2	12.6	1.8	0.7	1.3	0.6	0.1	0.3	-0.1	-0.4	-0.2
16	14.4	12.7	13.4	2.0	1.2	1.6	0.8	0.1	0.4	0.2	-0.4	-0.2
17	13.4	12.2	12.7	2.0	0.9	1.5	1.1	0.3	0.7	0.1	-0.3	-0.2
18	12.2	10.7	11.3	3.3	2.0	2.6	0.8	0.0	0.4	-0.3	-0.4	-0.3
19	10.8	9.3	10	4.2	3.3	3.6	1.2	0.6	0.9	0.0	-0.4	-0.2
20	10.2	8.5	9.2	3.6	2.2	2.6	1.0	-0.1	0.7	0.1	-0.3	-0.2
21	9.3	8.2	8.7	3.0	2.3	2.6	0.1	-0.4	-0.1	0.0	-0.4	-0.3
22	9.4	8.8	9.0	3.9	3.0	3.3	1.1	0.0	0.5	-0.3	-0.4	-0.3
23	8.9	8.4	8.7	3.2	2.5	2.9	2.5	1.0	1.5	-0.2	-0.4	-0.3
24	8.6	8.3	8.5	4.8	2.9	3.6	2.2	0.1	0.5	-0.3	-0.4	-0.3
25	8.8	8.4	8.6	6.6	4.8	5.9	0.5	0.0	0.2	-0.3	-0.4	-0.3
26	10.0	8.5	8.9	6.2	3.3	4.6	0.6	0.2	0.4	---	---	---
27	8.9	7.7	8.2	3.3	2.1	2.6	0.2	-0.2	0.0	---	---	---
28	8.8	6.9	7.7	4.3	2.0	2.7	0.6	-0.1	0.2	---	---	---
29	7.8	6.1	6.7	4.8	4.3	4.6	0.9	0.4	0.6	---	---	---
30	6.8	5.7	6.3	4.3	3.4	3.9	0.6	-0.1	0.2	---	---	---
31	9.6	6.8	8.4	---	---	---	0.8	0.0	0.4	---	---	---
MONTH	16.8	5.7	11.3	9.4	0.7	4.1	4.6	-0.4	1.1	1.2	-0.4	0.0

01038000 SHEEPSCOT RIVER AT NORTH WHITEFEID, ME—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	1.9	1.1	1.5	9.6	9.2	9.4
2	---	---	---	---	---	---	1.8	1.6	1.7	10.9	8.7	9.7
3	---	---	---	---	---	---	1.7	1.2	1.4	11.2	9.6	10.3
4	---	---	---	---	---	---	1.9	1.1	1.4	11.3	9.5	10.5
5	---	---	---	---	---	---	2.8	1.5	2.1	11.8	9.7	10.8
6	---	---	---	---	---	---	4.2	2.2	3.0	12.4	10.3	11.4
7	---	---	---	---	---	---	4.3	3.0	3.7	11.5	9.4	10.6
8	---	---	---	---	---	---	5.5	3.5	4.3	9.4	8.0	8.4
9	---	---	---	---	---	---	6.1	3.8	4.9	10.0	8.4	9.1
10	---	---	---	---	---	---	6.7	4.1	5.4	13.2	9.5	11.2
11	---	---	---	---	---	---	6.3	4.4	5.4	13.8	11.3	12.5
12	---	---	---	---	---	---	5.6	4.2	4.6	14.2	12.1	13.0
13	---	---	---	---	---	---	5.7	3.8	4.7	13.7	11.2	12.5
14	---	---	---	---	---	---	6.8	4.8	5.8	13.2	11.6	12.5
15	---	---	---	---	---	---	7.3	4.6	5.9	12.6	11.6	12.1
16	---	---	---	---	---	---	8.7	5.6	7.0	11.6	11.2	11.3
17	---	---	---	---	---	---	9.7	6.3	7.9	11.7	11.0	11.2
18	---	---	---	---	---	---	11.0	8.4	9.5	13.2	11.1	11.9
19	---	---	---	---	---	---	12.3	9.1	10.4	14.5	12.0	13.1
20	---	---	---	---	---	---	12.8	10.4	11.4	15.3	12.5	13.8
21	---	---	---	---	---	---	11.9	10.3	11.1	14.5	13.2	14.0
22	---	---	---	---	---	---	11.9	9.2	10.4	13.2	11.4	12.2
23	---	---	---	---	---	---	10.6	9.3	10.1	11.4	10.1	10.9
24	---	---	---	1.9	0.6	1.1	9.7	8.8	9.2	10.3	9.8	10.1
25	---	---	---	2.5	0.5	1.3	9.2	8.4	8.8	10.2	9.8	10
26	---	---	---	2.5	0.3	1.1	11.1	8.2	9.5	9.9	9.6	9.7
27	---	---	---	2.8	0.6	1.4	10.5	9.7	10.2	11.1	9.7	10.3
28	---	---	---	1.3	0.4	1.1	9.7	8.0	8.5	13.0	11.1	12.0
29	---	---	---	0.4	0.1	0.3	9.4	7.9	8.5	13.9	12.6	13.3
30	---	---	---	1.6	0.3	0.8	9.7	8.4	9.2	13.7	12.8	13.1
31	---	---	---	2.2	0.6	1.3	---	---	---	13.9	13.3	13.6
MONTH	---	---	---	2.8	0.1	1.1	12.8	1.1	6.6	15.3	8.0	11.4
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.4	13.4	14.2	23.3	21.8	22.1	25.1	21.6	23.0	23.2	21.2	22.0
2	16.2	13.0	14.5	24.7	21.2	22.6	26.3	21.8	23.6	23.4	20.6	22.0
3	17.3	14.2	15.7	24.5	20.8	22.8	27.0	22.7	24.2	23.3	20.7	21.9
4	19.2	15.5	17.4	24.8	21.6	23.1	26.8	21.7	23.7	22.3	20.5	21.2
5	20.9	18.7	19.8	24.7	21.9	23.1	26.5	22.7	24.2	22.1	19.3	20.4
6	20.7	17.7	19.1	23.7	21.2	22.5	27.3	22.2	24.2	22.3	19.1	20.3
7	20.5	17.3	18.6	21.2	20.3	20.8	27.3	21.6	23.9	22.8	19.1	20.4
8	20.6	17.3	18.9	20.9	20.0	20.4	28.2	21.9	24.4	23.6	19.5	20.9
9	23.7	19.8	21.5	20.0	18.6	19.2	28.6	23.1	25.3	23.5	20.4	21.4
10	23.4	21.0	22.1	21.8	18.4	19.7	29.2	23.7	25.9	22.4	18.6	20.0
11	24.5	21.0	22.6	23.9	20.4	22.0	28.7	24.6	26.1	21.0	17.0	18.5
12	24.7	22.5	23.5	24.3	21.8	23.0	26.1	23.1	24.6	22.0	17.4	19.3
13	25.2	23.2	24.1	25.4	22.1	23.3	28.3	22.8	25.0	21.7	18.5	19.8
14	24.6	19.9	22.3	24.2	22.8	23.3	25.2	23.3	24.2	22.3	18.8	20.3
15	19.9	16.1	17.7	26.1	22.6	23.9	24.5	19.7	22.3	21.0	15.9	19.4
16	16.1	15.5	15.7	26.2	22.9	24.2	25.8	21.6	23.0	20.2	15.9	18.2
17	15.6	15.2	15.4	27.2	23.7	24.9	25.8	21.8	23.1	20.2	15.9	18.7
18	16.6	15.1	15.8	26.6	24.7	25.3	23.9	19.9	21.6	19.1	18.2	18.7
19	18.4	15.6	16.8	---	---	---	24.1	18.9	21.0	20.7	17.7	18.9
20	20.6	16.4	18.2	29.3	25.5	26.8	21.2	20.2	20.7	19.2	17.9	18.6
21	21.3	17.8	19.3	29.3	24.5	26.3	22.7	20.3	21.1	19.8	17.3	18.2
22	21.6	19.0	20.0	28.7	24.3	25.9	25.1	20.0	22.1	20.0	16.9	18.0
23	22.5	18.8	20.4	28.6	24.1	25.7	24.9	20.6	22.4	20.9	17.4	18.5
24	22.4	19.3	20.7	27.5	22.7	24.6	23.5	21.1	21.9	19.9	16.4	17.7
25	25.0	19.9	22.1	25.8	21.6	23.8	24.5	19.7	21.5	17.5	15.7	16.3
26	26.6	22.2	24.2	27.6	22.2	24.6	25.2	19.2	21.5	17.1	15.8	16.5
27	28.0	24.7	26.1	29.2	24.2	26.0	25.3	19.4	21.7	19.1	15.9	17.1
28	26.8	23.9	25.4	27.6	23.7	25.1	23.7	20.2	21.9	17.7	15.3	16.0
29	26.1	24.0	25.2	26.9	22.3	24.0	22.6	21.0	21.8	16.7	14.3	15.7
30	25.6	23.3	24.1	27.1	22.4	24.1	22.0	21.2	21.7	16.0	14.3	14.8
31	---	---	---	25.7	21.9	23.4	21.7	20.7	21.2	---	---	---
MONTH	28.0	13.0	20.0	29.3	18.4	23.6	29.2	18.9	23.0	23.6	14.3	19.0
YEAR	29.3	-0.4	11.9									

01042500 KENNEBEC RIVER AT THE FORKS, ME

LOCATION.--Lat 45° 20'23", long 69° 57'43", 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 mi^2.

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 periods of ice effect, Dec. 6, Jan. 2, 5, 8-9, 11, Jan. 25 to Feb. 3, Feb. 12, 14 and 19-21, which are fair. Flow regulated by Moosehead Lake, Brassua Lake, and Indian Pond, combined capacity about 32.98 billion ft^3. 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 ft^3/s, Apr. 18, 1983, gage height, 14.41 ft; minimum daily discharge, 161 ft^3/s, Aug. 30, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,900 ft^3/s, Apr. 26, gage height, 10.56 ft; minimum daily discharge, 993 ft^3/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,500	1,230	2,810	1,620	e3,070	3,650	2,540	12,300	8,500	2,730	2,700	2,190
2	2,390	1,970	2,940	e1,470	e3,410	3,840	2,610	11,400	6,670	2,530	1,890	2,820
3	2,650	1,290	2,270	1,540	e3,550	3,420	2,040	11,000	5,930	2,370	2,000	1,950
4	3,450	1,230	2,460	1,620	3,580	2,850	2,270	10,000	4,770	2,670	1,270	1,520
5	3,340	1,270	1,990	e2,150	3,580	3,770	3,040	9,900	3,950	2,930	1,580	1,260
6	3,180	1,250	e1,890	2,310	3,580	3,770	3,790	9,820	2,480	2,930	1,460	1,230
7	3,490	1,300	1,800	1,970	2,750	3,540	5,050	9,750	1,650	3,110	1,460	1,360
8	3,370	1,320	1,500	e1,960	2,800	3,540	4,350	9,750	3,900	2,520	1,760	1,370
9	2,430	1,330	1,430	e1,940	3,130	3,720	4,360	9,640	3,640	2,400	1,760	3,430
10	995	1,600	1,360	2,600	3,540	3,690	4,140	7,760	4,170	3,010	1,810	2,940
11	2,690	1,840	1,360	e2,260	3,620	3,650	4,010	6,340	3,620	2,760	2,080	2,160
12	3,120	1,530	1,310	2,310	e3,240	3,680	3,340	6,240	4,010	1,950	1,820	2,360
13	2,350	1,470	1,280	2,260	3,230	3,900	2,910	6,010	3,570	1,950	1,240	2,680
14	2,340	1,990	1,230	2,210	e3,330	4,120	2,270	4,530	3,940	2,260	1,050	2,490
15	1,640	1,770	3,130	1,880	3,220	3,740	2,140	4,140	4,330	2,670	1,010	2,110
16	2,230	1,490	2,170	1,910	3,270	4,220	2,150	4,240	3,820	2,000	1,620	2,620
17	2,530	1,830	1,130	1,940	3,950	4,430	2,370	3,490	3,590	1,970	1,020	2,350
18	1,890	2,080	1,590	2,550	2,320	4,420	2,200	2,690	5,820	2,530	1,670	2,430
19	1,560	1,560	1,610	2,900	e3,280	4,210	2,610	2,560	5,260	2,680	1,320	2,860
20	1,930	1,270	2,170	3,250	e3,720	4,190	3,370	3,170	3,880	2,260	1,210	2,860
21	1,410	1,320	1,400	3,310	e3,730	4,480	3,470	2,920	2,640	1,880	1,240	2,850
22	2,260	1,420	1,480	3,070	3,260	4,480	3,660	1,830	2,190	2,300	1,410	2,660
23	1,750	1,340	1,270	2,900	3,110	4,490	3,290	2,820	3,230	2,230	1,660	2,650
24	1,900	1,300	2,010	3,480	2,940	4,100	3,990	3,290	3,940	2,040	1,300	2,870
25	2,120	1,410	2,680	e2,670	3,440	3,710	10,800	3,220	2,270	2,230	1,190	2,400
26	1,890	1,380	2,120	e2,670	3,900	3,380	17,500	5,900	2,110	2,590	1,000	2,720
27	2,150	1,300	2,480	e2,980	3,700	3,380	17,100	14,000	2,710	2,110	1,180	2,800
28	2,140	1,300	2,220	e3,060	4,120	3,370	15,500	11,000	3,440	2,060	993	2,760
29	1,250	2,290	2,350	e3,060	---	3,190	15,000	7,890	2,290	1,730	1,720	2,630
30	1,050	2,520	2,290	e3,040	---	3,200	13,600	8,360	2,900	1,490	2,270	2,770
31	1,110	---	1,740	e3,080	---	2,580	---	10,500	---	1,790	1,180	---
TOTAL	70,105	46,200	59,470	75,970	94,370	116,710	165,470	216,460	115,220	72,680	46,873	72,100
MEAN	2,261	1,540	1,918	2,451	3,370	3,765	5,516	6,983	3,841	2,345	1,512	2,403
MAX	3,500	2,520	3,130	3,480	4,120	4,490	17,500	14,000	8,500	3,110	2,700	3,430
MIN	995	1,230	1,130	1,470	2,320	2,580	2,040	1,830	1,650	1,490	993	1,230

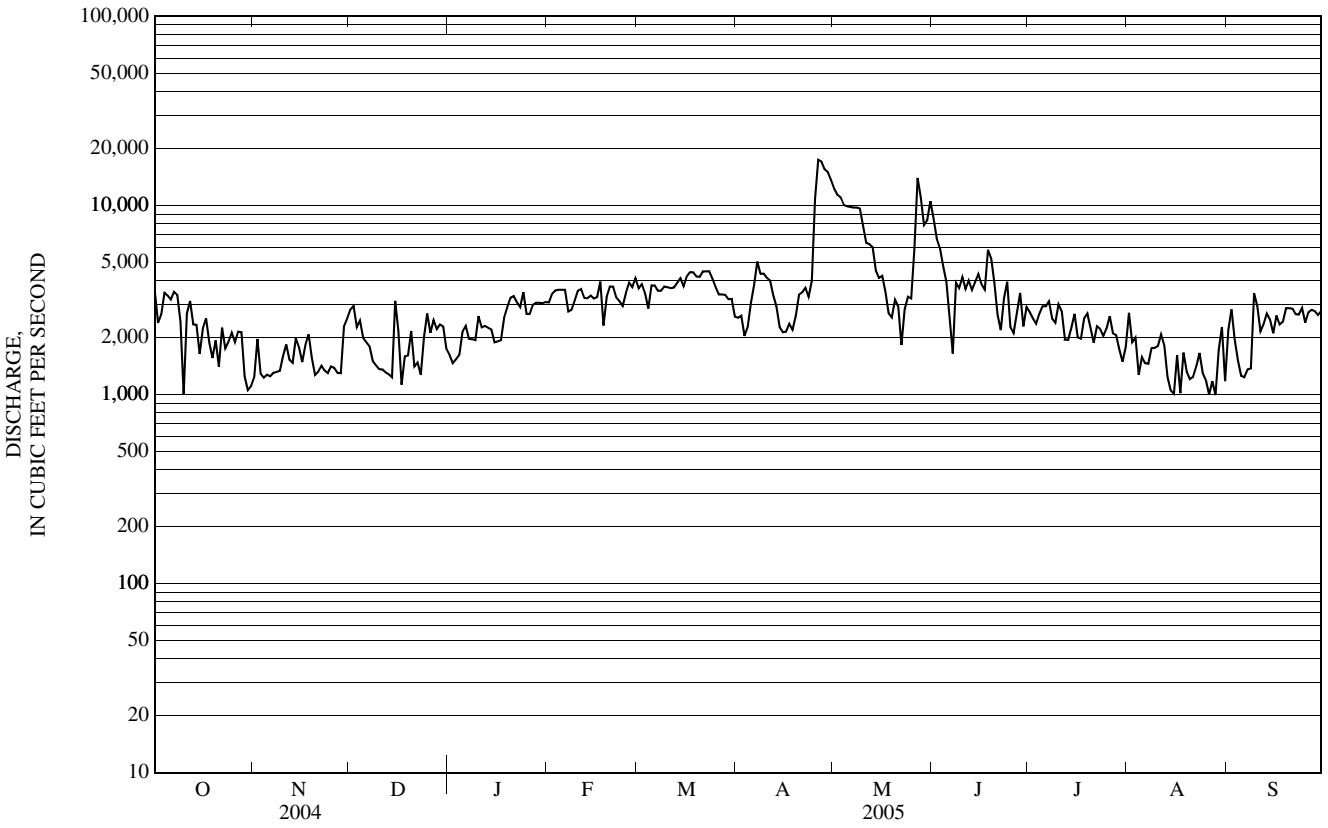
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2005, BY WATER YEAR (WY)

MEAN	1,988	1,800	2,087	2,342	2,584	2,375	2,965	4,646	3,300	2,650	2,386	2,272
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1904 - 2005	
ANNUAL TOTAL	923,165		1,151,628			
ANNUAL MEAN	2,522		3,155		2,617	
HIGHEST ANNUAL MEAN					4,701	1996
LOWEST ANNUAL MEAN					1,516	1950
HIGHEST DAILY MEAN	6,860	Jan 4	17,500	Apr 26	28,200	Jun 1, 1984
LOWEST DAILY MEAN	726	Apr 30	993	Aug 28	161	Aug 30, 1987
ANNUAL SEVEN-DAY MINIMUM	1,030	May 18	1,250	Aug 22	314	Jan 6, 1909
MAXIMUM PEAK FLOW			19,900	Apr 26	32,900	Apr 18, 1983
MAXIMUM PEAK STAGE			10.56	Apr 26	14.41	Apr 18, 1983
10 PERCENT EXCEEDS	4,680		4,450		4,370	
50 PERCENT EXCEEDS	2,090		2,610		2,240	
90 PERCENT EXCEEDS	1,160		1,320		887	



01044550 SPENCER STREAM AT MOUTH, NEAR GRAND FALLS, ME

LOCATION.--Lat 45° 18'07", long 70° 13'26", 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 mi^2.

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. 2, 9, May 7, 14, June 4, 11, July 9, 30, 31, Aug. 14, Sept. 4, 17, except for periods of doubtful stage-discharge relation from backwater from the Dead River, Apr. 24-30, May 12-13, 23-31, June 6-7, periods of ice effect, Nov. 10-18, Dec. 5-24, Dec. 26 to Apr. 10, periods of doubtful gage- height record, June 16-21, Sept. 19-27, and periods of no gage-height record, Jan. 2, 22, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,500 ft^3/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 ft^3/s, Sept. 10-11, 2002, gage height, 0.97 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 25	- - -	*5,450[a]	Unknown	May 27	1100	[b]	*7.78

Minimum discharge, 32 ft^3/s, Aug. 28-29, gage height, 1.32 ft.

[a] Estimated

[b] Backwater from Dead River.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	186	611	e316	e135	e134	e110	1,980	992	287	99	1,580
2	e85	172	590	e303	e132	e140	e139	1,810	776	233	94	1,030
3	84	213	473	e292	e130	e141	e227	1,460	657	199	95	469
4	81	221	405	e283	e128	e137	e1,070	1,210	e572	174	87	e318
5	79	205	e359	e274	e127	e134	e1,820	1,030	508	171	78	245
6	74	208	e326	e266	e125	e133	e1,510	915	e493	258	74	194
7	72	266	e301	e261	e125	e132	e1,470	e886	e499	232	68	166
8	70	261	e279	e255	e124	e144	e1,610	875	471	179	61	146
9	e69	222	e263	e249	e137	e279	e1,940	848	407	e205	57	134
10	68	e184	e255	e243	e192	e262	e1,680	824	375	666	56	121
11	67	e165	e259	e238	e307	e221	1,550	864	e353	559	80	107
12	78	e152	e257	e232	e323	e192	1,250	e767	330	363	73	98
13	103	e142	e246	e228	e271	e183	1,010	e639	322	267	68	88
14	97	e136	e235	e225	e243	e163	904	e551	299	224	e69	81
15	88	e131	e226	e306	e226	e140	861	527	409	203	68	86
16	362	e128	e217	e348	e213	e120	899	650	e434	175	63	110
17	541	e126	e209	e293	e225	e108	1,160	614	e562	155	56	e160
18	385	e129	e204	e265	e329	e98	1,750	531	e927	143	51	316
19	267	144	e197	e248	e337	e92	1,820	475	e878	140	44	e285
20	212	171	e192	e240	e300	e90	2,190	435	e595	154	41	e190
21	181	151	e187	e314	e245	e89	2,610	411	e473	143	54	e148
22	162	141	e183	e299	e214	e88	1,910	457	399	127	65	e122
23	152	137	e182	e254	e188	e90	1,490	e854	345	117	56	e101
24	143	130	e821	e223	e172	e90	e1,680	e1,390	299	113	49	e87
25	136	247	1,090	e203	e158	e88	e5,010	e979	267	122	44	e78
26	130	699	e650	e186	e147	e87	e3,960	e1,730	240	166	40	e83
27	122	416	e489	e170	e139	e86	e2,440	e3,580	224	150	36	e174
28	118	326	e414	e157	e134	e86	e3,320	e2,500	623	221	34	160
29	113	1,030	e372	e148	---	e88	e3,560	e1,410	341	169	33	127
30	109	932	e347	e144	---	e91	e2,190	e1,120	378	e132	76	180
31	135	---	e332	e140	---	e97	---	e1,260	---	e111	237	---
TOTAL	4,474	7,771	11,171	7,603	5,526	4,023	53,140	33,582	14,448	6,558	2,106	7,184
MEAN	144	259	360	245	197	130	1,771	1,083	482	212	67.9	239
MAX	541	1,030	1,090	348	337	279	5,010	3,580	992	666	237	1,580
MIN	67	126	182	140	124	86	110	411	224	111	33	78
CFSM	0.74	1.34	1.86	1.26	1.02	0.67	9.13	5.58	2.48	1.09	0.35	1.23
IN.	0.86	1.49	2.14	1.46	1.06	0.77	10.19	6.44	2.77	1.26	0.40	1.38

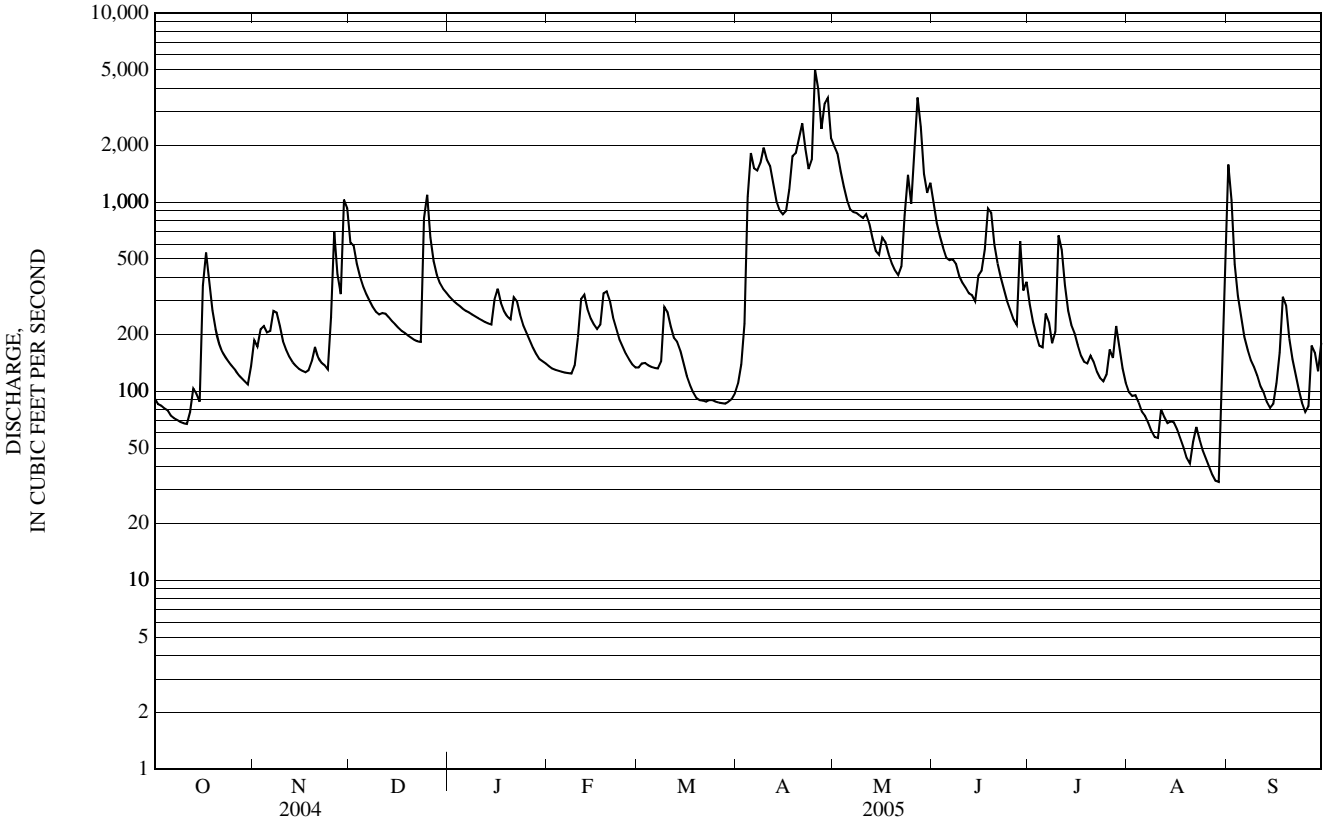
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	228	314	343	170	130	210	1,199	809	333	172	127	184
MAX	547	720	913	306	197	514	1,771	1,191	482	229	371	612
(WY)	(2000)	(2004)	(2004)	(2004)	(2005)	(2000)	(2005)	(2000)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1999 - 2005	
ANNUAL TOTAL	121,063		157,586			
ANNUAL MEAN	331		432		347	
HIGHEST ANNUAL MEAN					441	2004
LOWEST ANNUAL MEAN					240	2002
HIGHEST DAILY MEAN	2,660	Apr 20	5,010	Apr 25	5,010	Apr 25, 2005
LOWEST DAILY MEAN	67	Oct 11	33	Aug 29	9.0	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	71	Oct 6	42	Aug 23	10	Sep 5, 2002
MAXIMUM PEAK FLOW			5,450	Apr 25	5,500	May 11, 2000
MAXIMUM PEAK STAGE			7.78	May 27	9.14	Dec 20, 2000
INSTANTANEOUS LOW FLOW			32	Aug 28	8.7	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.71		2.23		1.79	
ANNUAL RUNOFF (INCHES)	23.21		30.22		24.27	
10 PERCENT EXCEEDS	765		1,050		826	
50 PERCENT EXCEEDS	209		214		168	
90 PERCENT EXCEEDS	107		81		55	



01046500 KENNEBEC RIVER AT BINGHAM, ME

LOCATION.--Lat 45° 03'07", long 69° 53'08", 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 mi^2.

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. 24 and 27-28, which are fair. Flow regulated by Moosehead Lake, Indian Pond, and Brassua, Flagstaff, and Wyman Lakes, combined capacity about 47.973 billion ft^3. 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 ft^3/s, June 1, 1984, gage height, 15.61 ft; minimum daily discharge, 110 ft^3/s, Dec. 25, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43,800 ft^3/s, Apr. 26, gage height, 13.79 ft; minimum daily discharge, 1,630 ft^3/s, Aug. 26.

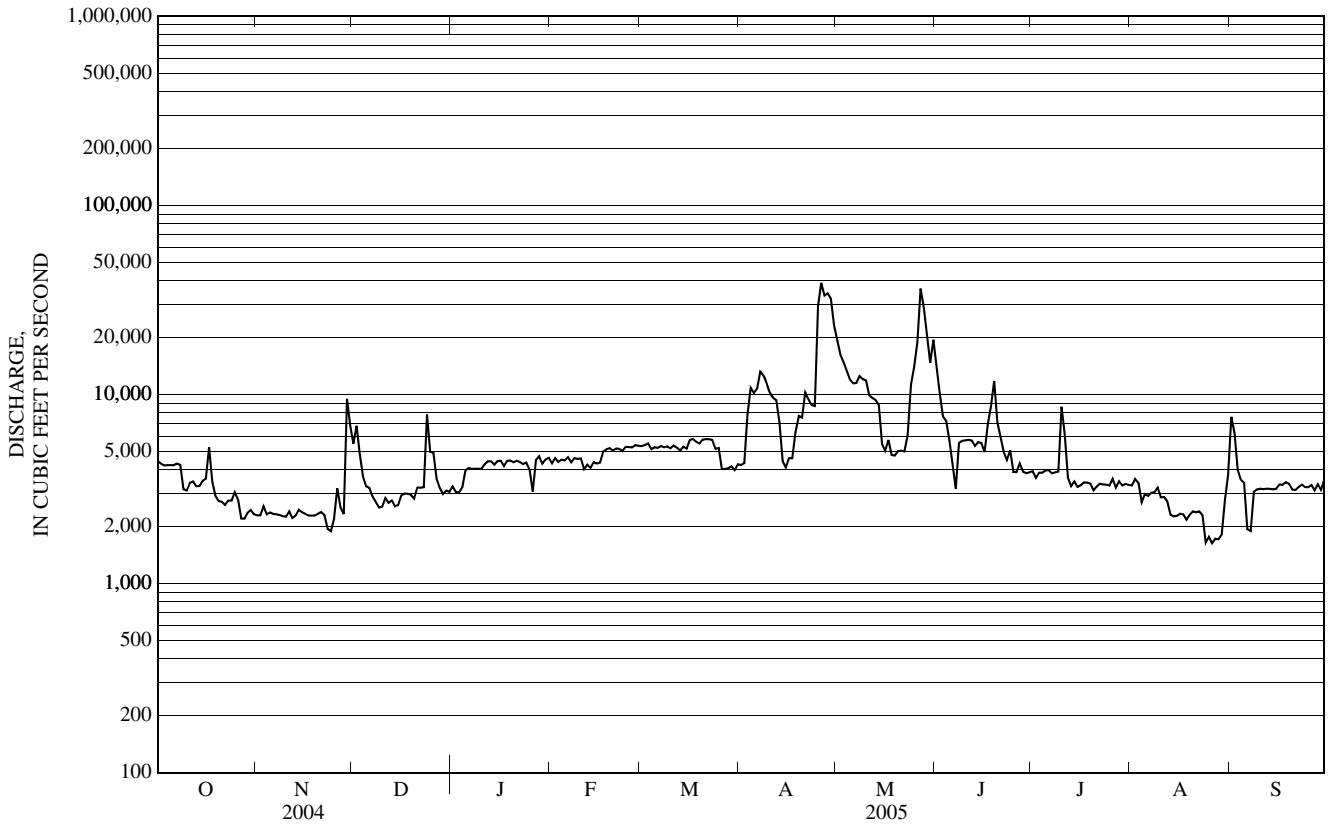
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,440	2,290	5,500	3,260	4,320	5,330	4,240	19,400	14,200	3,930	3,300	7,620
2	4,310	2,290	6,830	3,050	4,610	5,400	4,330	16,200	10,100	3,630	3,570	6,260
3	4,220	2,560	4,830	3,040	4,390	5,510	7,830	14,800	7,660	3,860	3,410	4,010
4	4,230	2,330	3,680	3,240	4,520	5,140	10,900	13,300	7,260	3,860	2,690	3,540
5	4,230	2,380	3,270	3,990	4,490	5,260	10,200	12,000	5,710	3,970	2,970	3,410
6	4,230	2,340	3,210	4,090	4,670	5,230	10,700	11,500	4,340	3,980	2,910	1,940
7	4,310	2,330	2,890	4,040	4,370	5,340	13,200	11,500	3,180	3,820	3,020	1,900
8	4,240	2,310	2,700	4,050	4,610	5,260	12,600	12,500	5,550	3,880	3,040	3,060
9	3,150	2,270	2,530	4,040	4,560	5,310	11,500	12,000	5,690	3,910	3,220	3,150
10	3,100	2,260	2,550	4,050	4,590	5,200	10,200	11,900	5,720	8,620	2,860	3,170
11	3,410	2,410	2,830	4,280	4,030	5,370	9,620	9,890	5,760	6,130	2,870	3,160
12	3,470	2,220	2,680	4,440	4,260	5,230	9,340	9,600	5,720	3,640	2,720	3,180
13	3,270	2,280	2,750	4,430	4,100	5,060	7,100	9,350	5,340	3,280	2,310	3,170
14	3,280	2,460	2,570	4,260	4,390	5,290	4,450	8,810	5,600	3,470	2,270	3,150
15	3,500	2,380	2,600	4,450	4,310	5,170	4,110	5,480	5,550	3,240	2,280	3,170
16	3,590	2,340	2,930	4,460	4,360	5,750	4,610	5,040	4,960	3,310	2,340	3,340
17	5,280	2,290	3,000	4,190	4,990	5,810	4,600	5,750	6,960	3,430	2,320	3,330
18	3,460	2,290	2,980	4,460	5,130	5,630	6,310	4,800	8,690	3,420	2,180	3,430
19	2,900	2,290	2,940	4,480	5,200	5,500	7,700	4,760	11,800	3,390	2,320	3,370
20	2,730	2,340	2,810	4,380	5,060	5,760	7,550	5,020	7,120	3,120	2,410	3,140
21	2,710	2,390	3,220	4,460	5,180	5,820	10,300	5,040	5,960	3,260	2,380	3,130
22	2,610	2,310	3,220	4,390	5,160	5,800	9,420	5,000	4,960	3,380	2,410	3,240
23	2,740	1,950	3,230	4,290	5,010	5,750	8,790	6,090	4,500	3,350	2,300	3,340
24	2,750	1,890	7,830	e4,370	5,280	5,170	8,700	11,300	5,060	3,340	1,640	3,240
25	3,040	2,200	4,970	4,010	5,270	5,210	29,300	14,000	3,900	3,300	1,770	3,230
26	2,790	3,190	4,920	3,070	5,260	4,030	38,900	19,000	3,880	3,580	1,630	3,320
27	2,210	2,530	3,590	e4,500	5,400	4,040	33,400	36,300	4,320	3,220	1,730	3,110
28	2,200	2,330	3,210	e4,720	5,350	4,080	34,300	28,900	3,900	3,480	1,720	3,350
29	2,370	9,480	2,980	4,310	---	4,170	32,200	20,200	3,830	3,310	1,820	3,130
30	2,450	6,860	3,100	4,530	---	3,980	23,300	14,700	3,880	3,370	2,760	3,540
31	2,330	---	3,060	4,630	---	4,270	---	19,500	---	3,320	3,760	---
TOTAL	103,550	81,790	109,410	127,960	132,870	159,870	389,700	383,630	181,100	116,800	78,930	103,130
MEAN	3,340	2,726	3,529	4,128	4,745	5,157	12,990	12,380	6,037	3,768	2,546	3,438
MAX	5,280	9,480	7,830	4,720	5,400	5,820	38,900	36,300	14,200	8,620	3,760	7,620
MIN	2,200	1,890	2,530	3,040	4,030	3,980	4,110	4,760	3,180	3,120	1,630	1,900
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2005, BY WATER YEAR (WY)												
MEAN	3,411	3,565	3,608	3,646	3,896	4,281	7,296	8,808	4,854	3,642	3,250	3,299
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1908 - 2005	
ANNUAL TOTAL	1,461,220		1,968,740			
ANNUAL MEAN	3,992		5,394		4,464	
HIGHEST ANNUAL MEAN					7,881	1996
LOWEST ANNUAL MEAN					2,613	1980
HIGHEST DAILY MEAN	9,730	Jan 1	38,900	Apr 26	62,000	Jun 1, 1984
LOWEST DAILY MEAN	1,390	Jun 22	1,630	Aug 26	110	Dec 25, 1947
ANNUAL SEVEN-DAY MINIMUM	1,640	Jul 2	1,800	Aug 23	587	Nov 18, 1908
MAXIMUM PEAK FLOW			43,800	Apr 26	65,200	Jun 1, 1984
MAXIMUM PEAK STAGE			13.79	Apr 26	15.61	Jun 1, 1984
10 PERCENT EXCEEDS	7,050		9,730		7,660	
50 PERCENT EXCEEDS	3,560		4,050		3,460	
90 PERCENT EXCEEDS	1,880		2,340		2,160	



01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME

LOCATION.--Lat 44° 52'09", long 69° 57'18", Somerset County, Hydrologic Unit 01030003, on left bank 3.4 mi upstream from Mill Stream and North Anson.

DRAINAGE AREA.--353 mi^2.

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, Nov. 11-24, Dec. 5-24, Dec. 27 to Apr. 3, and period of doubtful gage-height record, Jan. 19 to Sept. 30, 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 ft^3/s, Apr. 1, 1987, gage height, 26.66 ft, from rating extended above 27,000 ft^3/s on basis of slope-area measurements; maximum gage height, 27.78 ft, Feb. 21, 1978 (backwater from ice); minimum discharge, 18 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	0645	11,900	12.29	Apr 25	0100	15,600	14.13
Apr 3	1630	Ice Jam	*16.80	Apr 28	2200	11,000	11.80
Apr 3	1945	*21,500	16.70	May 27	0130	20,300	16.21
Apr 7	0045	6,190	8.98				

Minimum discharge, 71 ft^3/s, Aug. 20, gage height, 2.63 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	287	2,740	e787	e159	e312	e1,640	4,030	2,010	358	145	3,680
2	139	281	3,850	e697	e149	e300	e1,510	2,810	1,440	319	143	1,750
3	139	428	2,320	e628	e141	e272	e8,600	2,210	1,250	246	145	834
4	138	427	1,490	e568	e142	e253	12,500	1,690	866	212	125	398
5	134	466	e1,040	e516	e145	e238	6,680	1,270	793	195	94	324
6	128	761	e719	e474	e145	e225	5,100	1,160	804	243	89	272
7	126	666	e592	e442	e143	e214	5,320	1,130	817	261	85	234
8	126	587	e533	e416	e141	e207	5,130	1,780	714	209	81	207
9	124	498	e493	e391	e172	e197	4,690	1,630	610	246	78	179
10	124	392	e465	e369	e273	e185	3,860	1,360	503	570	75	167
11	122	e275	e452	e350	e372	e212	3,580	1,240	488	401	89	153
12	126	e242	e435	e333	e360	e293	2,520	1,350	621	278	140	143
13	147	e217	e409	e326	e324	e286	1,850	1,020	711	223	107	138
14	162	e200	e382	e344	e266	e228	1,820	829	726	203	94	134
15	145	e187	e363	e508	e260	e194	1,790	772	2,460	196	93	138
16	1,680	e178	e350	e443	e256	e211	1,640	999	2,560	183	93	162
17	1,680	e172	e338	e412	e379	e206	1,790	1,000	3,010	169	87	207
18	1,090	e166	e325	e346	e515	e199	2,670	876	3,310	161	80	338
19	655	e169	e314	e315	e490	e211	2,400	775	2,740	169	74	258
20	376	e171	e305	e316	e432	e206	2,740	709	1,720	249	72	228
21	333	e165	e294	e290	e384	e188	3,320	661	1,130	211	129	201
22	344	e160	e287	e265	e339	e197	2,320	1,700	836	208	316	181
23	361	e156	e282	e241	e305	e201	1,930	3,470	658	185	163	166
24	283	e154	e5,880	e219	e276	e201	5,050	4,000	524	166	119	149
25	271	1,230	3,290	e229	e258	e197	10,500	2,770	452	159	101	142
26	261	1,960	2,050	e215	e247	e193	5,810	8,280	396	167	92	141
27	250	1,130	e1,280	e198	e238	e201	3,610	13,600	354	174	85	169
28	240	854	e1,090	e183	e232	e225	8,630	5,430	318	241	80	199
29	225	7,470	e937	e171	---	e516	7,100	3,130	293	206	107	168
30	202	3,500	e855	e164	---	e1,240	3,840	2,040	383	170	200	299
31	243	---	e830	e165	---	e1,660	---	2,750	---	153	687	---
TOTAL	10,519	23,549	34,990	11,321	7,543	9,668	129,940	76,471	33,497	7,131	4,068	11,759
MEAN	339	785	1,129	365	269	312	4,331	2,467	1,117	230	131	392
MAX	1,680	7,470	5,880	787	515	1,660	12,500	13,600	3,310	570	687	3,680
MIN	122	154	282	164	141	185	1,510	661	293	153	72	134
CFSM	0.96	2.22	3.20	1.03	0.76	0.88	12.3	6.99	3.16	0.65	0.37	1.11
IN.	1.11	2.48	3.69	1.19	0.79	1.02	13.69	8.06	3.53	0.75	0.43	1.24

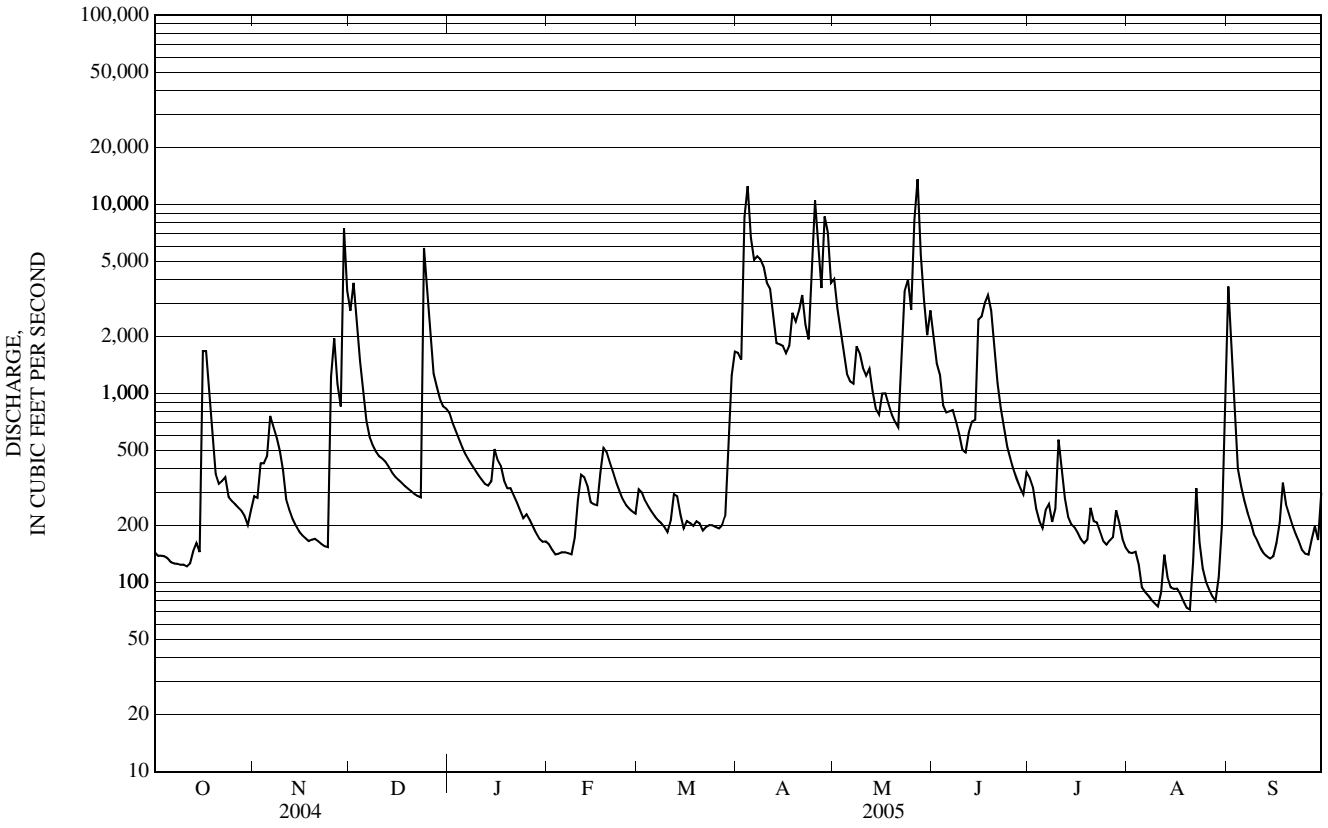
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2005, BY WATER YEAR (WY)

MEAN	498	764	623	372	324	831	2,344	1,548	618	326	219	242
MAX	2,606	2,492	3,565	1,633	1,922	4,750	4,331	3,694	2,916	2,201	1,124	1,768
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1903 - 2005	
ANNUAL TOTAL	232,083		360,456			
ANNUAL MEAN	634		988		726	
HIGHEST ANNUAL MEAN					1,288	1996
LOWEST ANNUAL MEAN					333	1941
HIGHEST DAILY MEAN	7,470	Nov 29	13,600	May 27	36,000	Apr 1, 1987
LOWEST DAILY MEAN	102	Jun 29	72	Aug 20	27	Aug 28, 1949
ANNUAL SEVEN-DAY MINIMUM	112	Jun 25	84	Aug 5	31	Sep 7, 2002
MAXIMUM PEAK FLOW			21,500	Apr 3	50,700	Apr 1, 1987
MAXIMUM PEAK STAGE			16.80	Apr 3	27.78	Feb 21, 1978
INSTANTANEOUS LOW FLOW			71	Aug 20	18	Oct 29, 1929
ANNUAL RUNOFF (CFSM)	1.80		2.80		2.06	
ANNUAL RUNOFF (INCHES)	24.46		37.99		27.95	
10 PERCENT EXCEEDS	1,490		2,740		1,760	
50 PERCENT EXCEEDS	328		314		313	
90 PERCENT EXCEEDS	146		139		97	



01048000 SANDY RIVER NEAR MERCER, ME

LOCATION.--Lat 44° 42'29", long 69° 56'15", 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 mi^2.

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, Nov. 12-24, Dec. 6-24 and Dec. 27 to Apr. 3, 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 ft^3/s, Mar. 19, 1936, gage height, 16.75 ft, from rating curve extended above 15,000 ft^3/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 ft^3/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 ft^3/s, from rating curve extended as explained above.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	1415	13,200	9.79	Apr 28	1900	15,300	10.38
Dec 2	0245	8,760	8.34	May 1	1300	6,100	7.33
Dec 24	1630	9,330	8.53	May 24	0515	9,040	8.43
Apr 3	0945	Ice Jam	*16.22	May 27	0800	17,800	11.08
Apr 4	0530	*27,300	13.73	Jun 17	2130	6,190	7.37
Apr 25	0900	16,800	10.78				

Minimum discharge, 79 ft^3/s, Aug. 20-21, gage height, 2.67 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	293	3,800	e938	e240	e436	e2,500	5,400	2,740	422	156	2,520
2	156	285	6,740	e860	e231	e443	e2,410	4,100	2,070	408	143	1,360
3	153	296	3,190	e801	e223	e443	e15,300	3,160	1,670	383	151	614
4	149	391	2,240	e752	e214	e423	22,100	2,520	1,380	330	153	414
5	147	619	1,770	e718	e207	e403	12,300	2,060	1,160	297	150	334
6	140	995	e1,490	e685	e201	e389	8,910	1,740	1,180	315	133	294
7	137	737	e1,310	e660	e198	e380	8,650	1,590	1,140	453	128	247
8	136	642	e1,130	e637	e196	e370	8,090	2,980	996	370	135	213
9	136	517	e1,020	e620	e212	e363	7,640	2,480	840	369	114	191
10	135	428	e925	e601	e303	e359	6,030	1,950	732	900	103	173
11	131	366	e848	e589	e448	e372	5,580	1,670	725	717	95	161
12	137	e329	e862	e574	e505	e420	4,020	1,560	1,890	490	94	149
13	141	e301	e821	e564	e450	e416	3,080	1,360	1,330	378	117	137
14	148	e277	e749	e556	e397	e403	2,830	1,120	1,160	327	108	129
15	162	e264	e620	e756	e363	e397	2,690	1,040	4,360	305	103	126
16	773	e253	e577	e801	e395	e509	2,560	1,460	4,000	278	102	125
17	1,770	e243	e538	e681	e593	e565	2,780	1,480	4,540	247	99	148
18	825	e236	e505	e607	e762	e541	3,370	1,250	4,530	226	94	244
19	561	e241	e475	e565	e727	e533	3,130	1,050	3,730	223	86	277
20	432	e251	e453	e535	e652	e560	3,170	934	2,300	233	81	221
21	360	e249	e435	e516	e606	e618	4,840	848	1,620	272	90	194
22	322	e245	e423	e481	e566	e713	3,220	1,880	1,270	218	209	175
23	294	e242	e589	e442	e532	e868	2,410	4,600	1,070	188	262	159
24	276	e239	e5,670	e407	e502	e998	4,980	7,640	873	175	171	140
25	261	1,470	4,640	e377	e479	e1,000	13,500	4,300	747	159	135	127
26	251	2,560	2,340	e349	e464	e979	6,710	7,430	639	149	120	120
27	236	1,340	e1,680	e324	e453	e972	4,010	14,900	553	159	107	121
28	224	982	e1,390	e300	e443	e1,130	11,500	6,270	487	209	96	130
29	213	9,080	e1,230	e281	---	e2,060	11,200	4,020	446	305	94	164
30	205	4,260	e1,110	e266	---	e2,870	5,250	3,140	428	226	121	175
31	226	---	e1,020	e254	---	e2,780	---	3,670	---	181	229	---
TOTAL	9,399	28,631	50,590	17,497	11,562	23,713	194,760	99,602	50,606	9,912	3,979	9,582
MEAN	303	954	1,632	564	413	765	6,492	3,213	1,687	320	128	319
MAX	1,770	9,080	6,740	938	762	2,870	22,100	14,900	4,540	900	262	2,520
MIN	131	236	423	254	196	359	2,410	848	428	149	81	120
CFSM	0.59	1.85	3.16	1.09	0.80	1.48	12.6	6.23	3.27	0.62	0.25	0.62
IN.	0.68	2.06	3.65	1.26	0.83	1.71	14.04	7.18	3.65	0.71	0.29	0.69

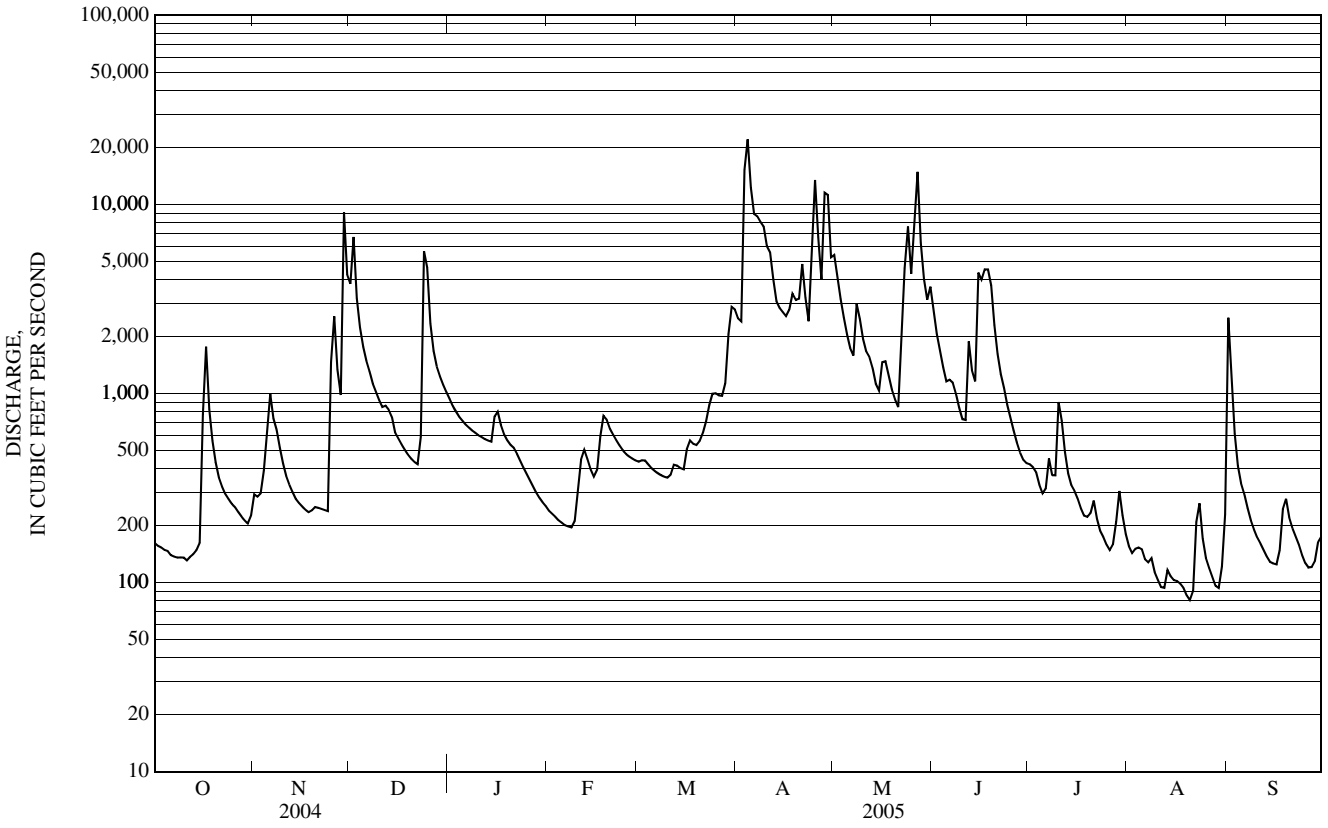
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	564	962	869	547	492	1,245	3,422	1,905	793	394	245	276
MAX	3,057	2,947	4,315	2,285	3,322	6,479	6,492	4,105	3,824	2,300	1,439	2,664
(WY)	(1978)	(1964)	(1974)	(1978)	(1970)	(1936)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	332,872		509,833			
ANNUAL MEAN	909		1,397		977	
HIGHEST ANNUAL MEAN					1,583	1974
LOWEST ANNUAL MEAN					436	1941
HIGHEST DAILY MEAN	9,080	Nov 29	22,100	Apr 4	31,400	Mar 27, 1953
LOWEST DAILY MEAN	131	Oct 11	81	Aug 20	30	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	136	Oct 6	94	Aug 15	32	Sep 9, 2002
MAXIMUM PEAK FLOW			27,300	Apr 4	38,600	Mar 19, 1936
MAXIMUM PEAK STAGE			16.22	Apr 3	18.89	Feb 12, 1979
INSTANTANEOUS LOW FLOW			79	Aug 20	30	Sep 14, 2002
ANNUAL RUNOFF (CFSM)	1.76		2.71		1.89	
ANNUAL RUNOFF (INCHES)	24.00		36.76		25.73	
10 PERCENT EXCEEDS	2,250		3,880		2,460	
50 PERCENT EXCEEDS	458		487		425	
90 PERCENT EXCEEDS	182		139		112	



01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME

LOCATION.--Lat 44° 43'00", long 69° 24'50", 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 mi^2.

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. 21-31, Feb. 14, 20, 24, Feb. 26 to Mar. 1, Mar. 3-5, 8-9, 11, 13, and periods of no gage-height record, Dec. 19, Dec. 21 to Jan. 6, which are poor. Flow regulated by dam 0.4 mi upstream, and by Great Moose and Sebasticook Lakes and Plymouth Pond, combined capacity about 2.345 billion ft^3. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,600 ft^3/s, Apr. 3, 1987, gage height, 15.53 ft; minimum daily discharge, 4.5 ft^3/s, Nov. 10, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,920 ft^3/s, Apr. 5, gage height, 10.67 ft; minimum daily discharge, 89 ft^3/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	448	165	2,610	e648	329	e380	5,490	8,510	4,790	229	227	297
2	417	145	3,430	e590	310	354	6,400	7,970	3,620	223	213	378
3	457	141	4,090	e543	255	e245	6,780	7,230	2,410	215	222	376
4	509	140	4,130	e516	174	e245	8,150	6,400	1,650	200	196	360
5	509	207	3,830	e504	162	e257	9,360	5,340	1,310	145	187	341
6	397	260	3,270	e499	163	303	9,490	4,340	1,240	147	138	303
7	343	320	2,780	524	193	309	9,170	3,240	1,370	161	126	337
8	346	362	2,000	567	194	e340	8,750	2,720	1,340	166	134	225
9	339	446	1,290	557	202	e554	8,330	2,540	1,130	206	134	119
10	330	326	939	506	195	551	7,720	2,240	789	371	133	129
11	329	277	783	322	245	e372	7,060	1,820	536	444	156	140
12	309	338	765	208	341	296	6,360	1,440	571	365	167	246
13	256	329	791	448	341	e310	5,520	1,270	628	303	114	230
14	331	312	777	589	e335	344	4,560	1,170	501	262	99	155
15	295	241	675	723	349	361	3,640	1,050	670	357	106	121
16	358	194	640	725	458	382	2,800	1,060	1,460	782	108	120
17	347	189	595	699	538	723	2,230	1,070	1,980	585	107	123
18	483	214	471	685	635	601	1,940	914	2,320	317	102	140
19	259	226	e416	527	636	885	1,620	877	2,640	226	97	147
20	219	221	556	549	e634	1,070	1,410	973	2,650	280	93	133
21	242	206	e490	e602	664	1,050	1,500	1,110	2,610	424	95	186
22	269	201	e403	e581	515	1,000	1,600	1,180	2,520	370	101	426
23	304	185	e428	e469	405	949	1,630	1,420	2,280	311	101	556
24	306	178	e639	e389	e501	998	1,730	1,810	1,540	318	98	674
25	277	231	e1,100	e216	493	1,020	2,340	2,130	924	310	97	722
26	286	680	e1,150	e216	e421	1,050	3,480	2,830	414	305	94	690
27	281	773	e1,120	e301	e397	1,060	4,740	4,300	178	288	92	905
28	275	786	e1,030	e449	e383	1,090	6,370	5,880	207	490	89	842
29	254	1,240	e913	e332	---	1,890	7,790	6,510	229	616	96	857
30	239	2,020	e821	e354	---	3,210	8,590	6,250	231	509	110	970
31	216	---	e721	e347	---	4,490	---	5,630	---	390	138	---
TOTAL	10,230	11,553	43,653	15,185	10,468	26,689	156,550	101,224	44,738	10,315	3,970	11,248
MEAN	330	385	1,408	490	374	861	5,218	3,265	1,491	333	128	375
MAX	509	2,020	4,130	725	664	4,490	9,490	8,510	4,790	782	227	970
MIN	216	140	403	208	162	245	1,410	877	178	145	89	119

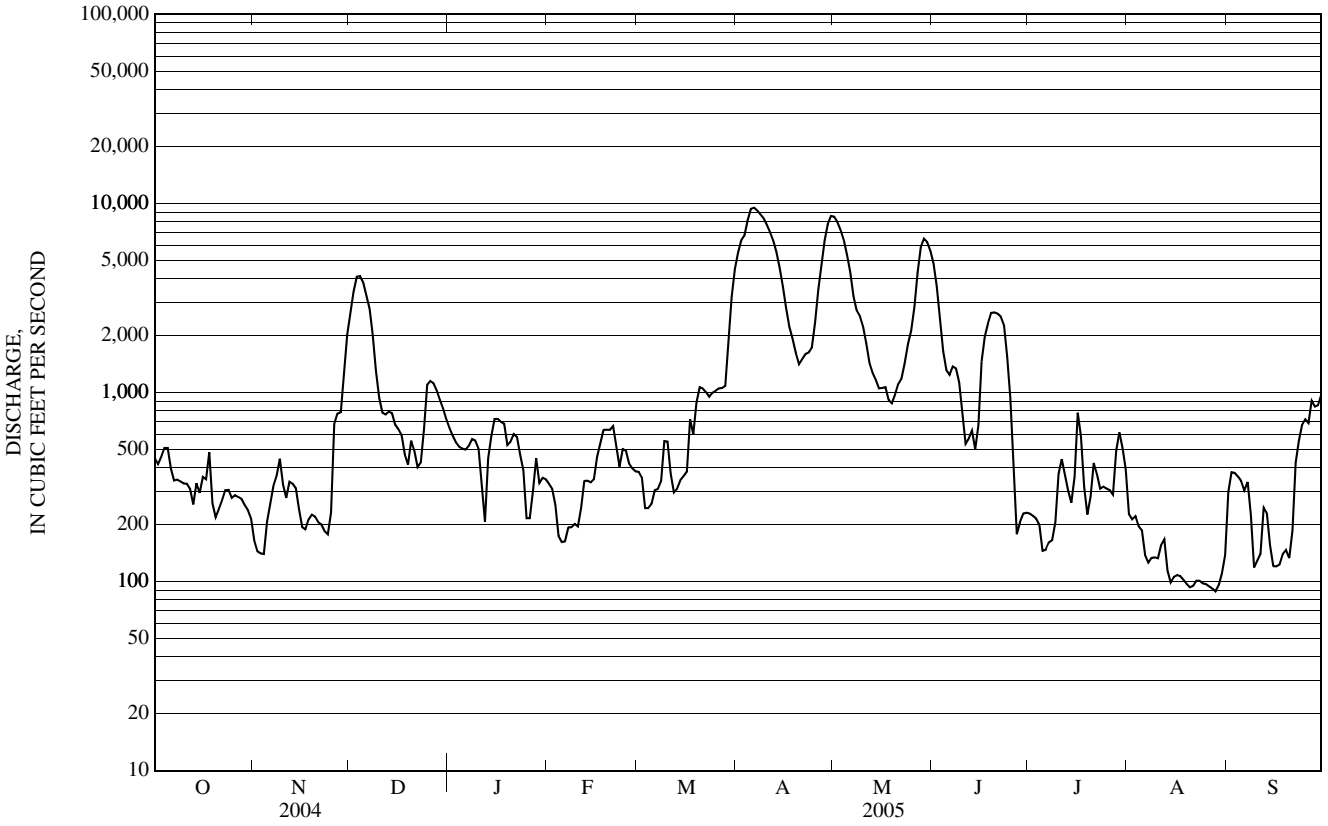
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	482	886	1,038	684	653	1,326	3,350	1,420	645	343	267	420
MAX	2,654	2,913	4,609	2,260	3,576	5,764	5,768	3,265	3,659	1,914	1,708	3,447
(WY)	(1978)	(1964)	(1974)	(1978)	(1970)	(1936)	(1934)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	262,854		445,823			
ANNUAL MEAN	718		1,221		956	
HIGHEST ANNUAL MEAN					1,645	1954
LOWEST ANNUAL MEAN					437	1985
HIGHEST DAILY MEAN	4,130	Dec 4	9,490	Apr 6	17,200	Apr 3, 1987
LOWEST DAILY MEAN	77	Jul 8	89	Aug 28	4.5	Nov 10, 1956
ANNUAL SEVEN-DAY MINIMUM	133	Jul 7	95	Aug 23	6.6	Nov 6, 1965
MAXIMUM PEAK FLOW			9,920	Apr 5	17,600	Apr 3, 1987
MAXIMUM PEAK STAGE			10.67	Apr 5	15.53	Apr 3, 1987
10 PERCENT EXCEEDS	1,630		3,540		2,450	
50 PERCENT EXCEEDS	422		449		480	
90 PERCENT EXCEEDS	167		146		110	



01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME

LOCATION.--Lat 44° 28'20", long 69° 41'02", Kennebec County, Hydrologic Unit 01030003, on right bank at North Sidney, and 5.3 mi downstream from Sebasticook River.

DRAINAGE AREA.--5,403 mi^2.

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 ft^3/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 periods of ice effect, Dec. 11-23 and Dec. 27 to Apr. 2, which are fair. Flow regulated by Indian and Plymouth Ponds, and Moosehead, Brassua, Flagstaff, Wyman, Great Moose, and Sebasticook Lakes, combined capacity about 50.318 billion ft^3. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 232,000 ft^3/s, Apr. 2, 1987, gage height, 39.31 ft; minimum daily discharge, 1,160 ft^3/s, July 7, 1988, caused by unusual regulation.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 93,900 ft^3/s, Apr. 4, gage height, 22.29 ft; minimum daily discharge, 1,930 ft^3/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,840	3,700	21,100	e7,460	e6,050	e6,820	e23,800	48,300	30,600	6,400	4,770	14,100
2	5,550	4,190	35,200	e7,080	e5,960	e6,790	e23,900	42,200	23,700	6,220	4,710	14,600
3	5,490	4,430	24,200	e6,920	e5,920	e6,700	45,500	35,300	18,400	5,800	4,820	8,350
4	5,710	4,000	19,000	e6,780	e5,820	e6,710	87,700	30,900	15,700	5,600	4,030	6,020
5	5,740	5,800	15,600	e7,040	e5,730	e6,600	62,400	26,800	13,600	5,660	3,880	5,370
6	5,680	5,590	13,100	e7,010	e5,670	e6,570	50,700	23,000	11,900	5,710	3,860	4,490
7	5,510	5,580	11,400	e6,870	e5,670	e6,570	50,000	21,600	10,000	5,570	3,790	2,920
8	5,420	5,420	10,300	e6,920	e5,500	e6,600	47,300	25,500	8,340	5,850	3,670	3,780
9	5,130	5,340	8,420	e6,810	e5,520	e6,600	44,200	25,900	10,100	6,070	3,830	4,480
10	4,500	4,350	6,580	e6,770	e5,460	e6,780	37,500	23,100	10,300	10,400	3,780	3,760
11	4,490	4,710	e7,680	e6,720	e5,350	e6,650	34,300	20,700	10,400	11,700	3,610	3,810
12	4,480	4,070	e7,640	e6,540	e5,800	e6,620	30,400	16,800	10,500	7,360	3,530	4,000
13	4,570	4,190	e7,250	e6,520	e5,800	e6,730	25,900	16,500	10,100	5,800	3,510	4,070
14	4,460	4,180	e6,750	e7,120	e5,820	e6,660	21,400	15,200	10,200	4,900	2,760	3,840
15	4,730	3,710	e5,920	e8,190	e6,030	e6,550	18,600	13,800	19,300	5,460	3,040	4,010
16	5,900	4,270	e5,780	e8,620	e6,250	e6,510	16,000	11,000	20,300	5,310	2,760	3,780
17	10,500	4,290	e5,780	e7,860	e7,650	e7,240	15,400	12,600	21,600	5,840	2,840	4,580
18	9,090	3,590	e5,470	e7,260	e8,740	e7,570	14,400	11,700	24,900	5,620	2,640	4,400
19	6,610	4,180	e5,320	e6,890	e8,540	e7,400	19,000	10,500	26,300	4,980	2,560	5,040
20	5,110	3,700	e5,320	e7,000	e8,210	e7,740	17,800	10,000	21,500	5,090	2,720	4,510
21	4,660	3,640	e5,340	e6,610	e7,830	e8,410	22,600	10,000	14,900	5,210	3,080	4,210
22	4,490	4,190	e5,330	e6,610	e7,670	e8,800	23,000	10,500	13,600	5,080	3,370	4,150
23	4,620	3,780	e5,310	e6,470	e7,670	e9,280	19,300	16,700	11,500	4,890	3,210	4,670
24	4,700	3,540	21,700	e6,320	e7,160	e9,380	23,100	27,200	10,800	4,890	2,600	4,580
25	4,270	6,200	25,300	e6,200	e7,310	e9,060	55,800	29,400	9,310	4,710	2,170	4,470
26	4,410	12,400	15,600	e5,610	e7,120	e8,540	65,700	34,200	8,230	4,790	2,470	4,710
27	4,420	9,750	e12,100	e5,470	e6,930	e8,170	58,100	76,100	7,380	4,840	2,020	4,910
28	3,500	7,500	e9,520	e6,480	e6,850	e9,150	67,900	67,000	7,000	5,710	1,930	4,900
29	3,660	28,900	e9,340	e6,460	---	e14,100	85,100	47,100	6,790	5,390	2,110	5,060
30	3,750	29,600	e8,580	e6,410	---	e20,000	59,900	32,700	4,540	5,530	2,690	5,710
31	3,370	---	e7,970	e6,210	---	e22,600	---	34,200	---	4,990	3,770	---
TOTAL	160,360	198,790	353,900	211,230	184,030	263,900	1,166,700	826,500	421,790	181,370	100,530	157,280
MEAN	5,173	6,626	11,420	6,814	6,572	8,513	38,890	26,660	14,060	5,851	3,243	5,243
MAX	10,500	29,600	35,200	8,620	8,740	22,600	87,700	76,100	30,600	11,700	4,820	14,600
MIN	3,370	3,540	5,310	5,470	5,350	6,510	14,400	10,000	4,540	4,710	1,930	2,920

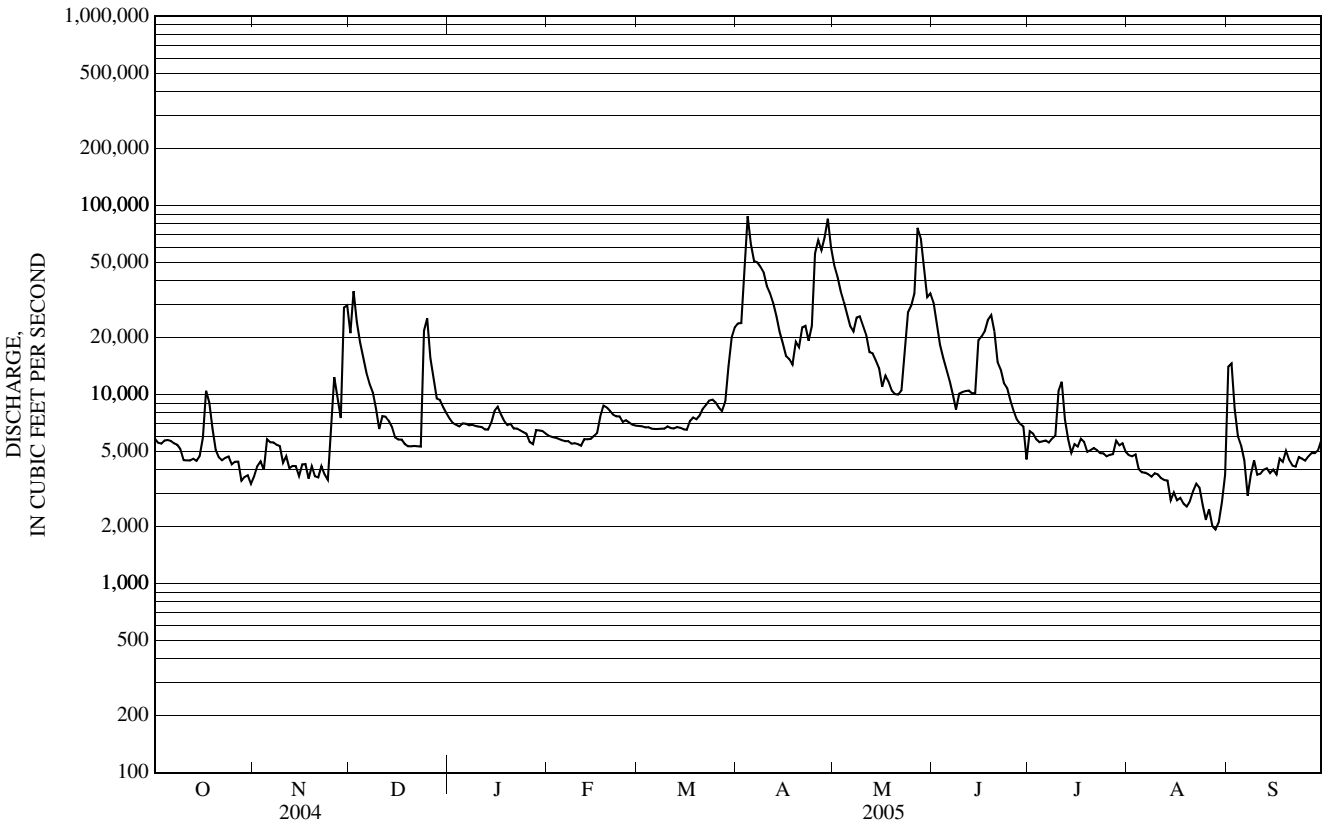
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)

MEAN	6,644	8,344	8,548	6,130	6,171	10,580	22,810	14,120	8,873	5,026	4,611	5,093
MAX	15,020	17,620	27,050	12,230	10,200	22,470	38,890	26,660	29,420	10,550	7,196	7,636
(WY)	(1982)	(1991)	(2004)	(1986)	(1981)	(1979)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1979 - 2005	
ANNUAL TOTAL	3,001,250		4,226,380			
ANNUAL MEAN	8,200		11,580		8,826	
HIGHEST ANNUAL MEAN					13,730	1984
LOWEST ANNUAL MEAN					5,617	1985
HIGHEST DAILY MEAN	36,300	Apr 15	87,700	Apr 4	186,000	Apr 2, 1987
LOWEST DAILY MEAN	2,650	Jul 1	1,930	Aug 28	1,160	Jul 7, 1988
ANNUAL SEVEN-DAY MINIMUM	2,830	Jun 25	2,280	Aug 24	1,640	Jan 5, 2002
MAXIMUM PEAK FLOW			93,900	Apr 4	232,000	Apr 2, 1987
MAXIMUM PEAK STAGE			22.29	Apr 4	39.31	Apr 2, 1987
10 PERCENT EXCEEDS	15,000		25,700		17,300	
50 PERCENT EXCEEDS	6,960		6,600		5,890	
90 PERCENT EXCEEDS	3,490		3,780		3,420	



01049320 KENNEBEC RIVER AT FATHER CURRAN BRIDGE AT AUGUSTA, ME

LOCATION.--Lat 44° 19'07", long 69° 46'18", 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 mi^2.

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, July 2-3, 5-6 and 11. 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 ft^3. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.79 ft, Apr. 4, 2005; 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, 18.79 ft, Apr. 4; minimum gage height, -2.42 ft, Aug. 25-26.

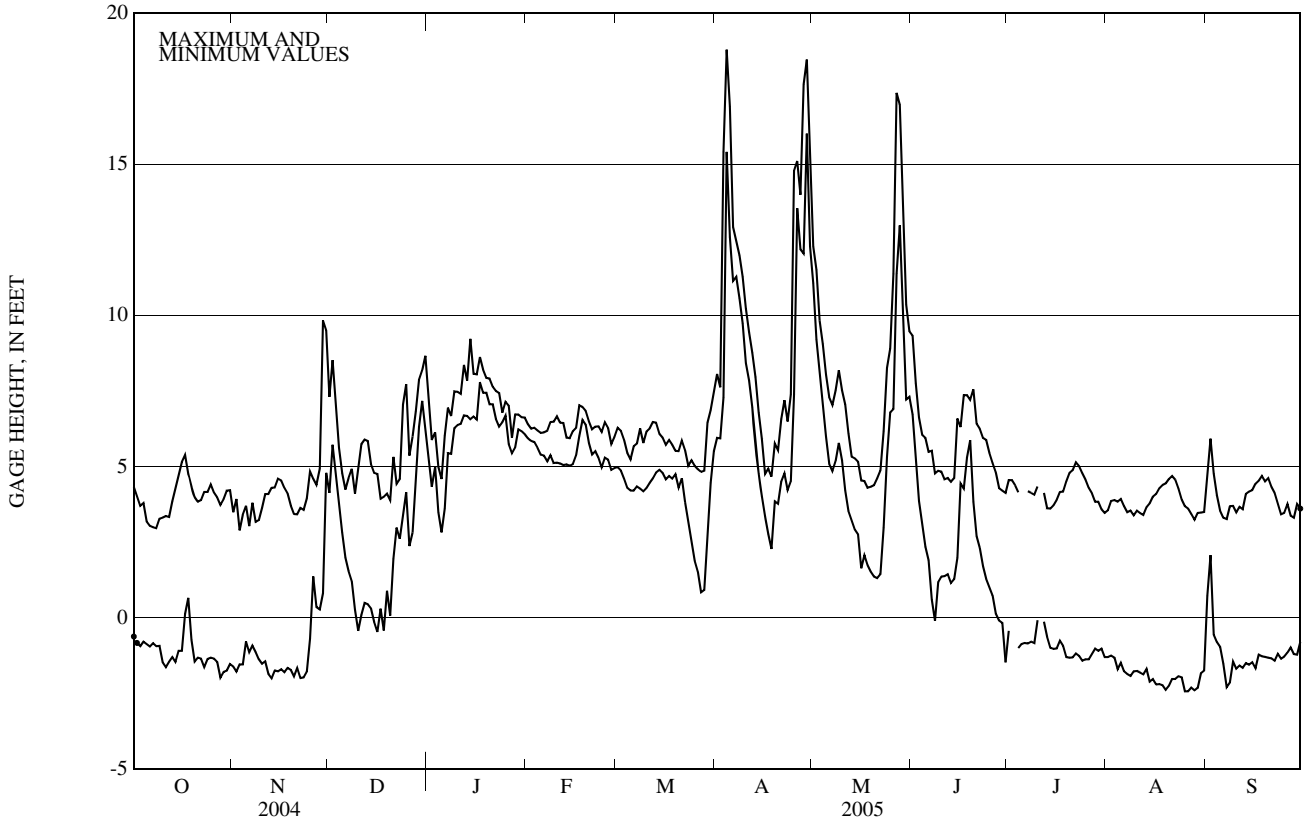
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.34	-0.61	3.50	-1.60	7.31	4.14	7.22	5.17	6.41	5.94	6.29	4.99
2	4.03	-0.82	3.94	-1.77	8.53	5.73	5.89	4.34	6.26	5.86	6.19	4.88
3	3.71	-0.93	2.90	-1.53	7.06	4.80	6.14	5.00	6.29	5.82	5.89	4.61
4	3.80	-0.78	3.42	-1.53	5.63	3.85	5.00	3.50	6.20	5.63	5.46	4.31
5	3.19	-0.86	3.71	-0.77	4.79	2.82	4.60	2.83	6.12	5.40	5.25	4.22
6	3.05	-0.94	3.04	-1.13	4.25	2.00	6.03	3.62	6.14	5.37	5.68	4.21
7	3.00	-0.83	3.81	-0.91	4.63	1.55	6.96	5.45	6.19	5.18	5.77	4.35
8	2.97	-0.93	3.18	-1.12	4.93	1.22	6.68	5.43	6.48	5.38	6.27	4.28
9	3.28	-0.92	3.24	-1.36	4.11	0.27	7.49	6.28	6.49	5.13	5.79	4.19
10	3.32	-1.46	3.64	-1.51	4.94	-0.42	7.48	6.38	6.67	5.14	6.17	4.30
11	3.37	-1.62	4.10	-1.43	5.75	0.11	7.41	6.42	6.46	5.11	6.27	4.47
12	3.34	-1.44	4.10	-1.85	5.90	0.50	8.37	6.70	6.45	5.06	6.48	4.62
13	3.86	-1.29	4.31	-1.99	5.85	0.46	7.85	6.68	5.97	5.08	6.46	4.81
14	4.27	-1.45	4.32	-1.73	5.09	0.32	9.23	6.57	5.95	5.03	6.09	4.90
15	4.70	-1.08	4.61	-1.76	4.80	-0.13	8.08	6.66	6.18	5.09	5.97	4.80
16	5.16	-1.08	4.55	-1.69	4.76	-0.46	8.06	6.56	6.29	5.38	5.73	4.59
17	5.39	0.14	4.30	-1.79	3.95	0.31	8.63	7.80	7.03	6.02	5.89	4.70
18	4.76	0.67	4.12	-1.65	4.01	-0.41	8.21	7.45	6.98	6.55	5.73	4.61
19	4.35	-0.72	3.72	-1.71	4.12	0.90	7.94	7.45	6.85	6.39	5.53	4.75
20	4.00	-1.44	3.44	-1.93	3.90	0.08	7.92	7.07	6.51	5.79	5.52	4.31
21	3.85	-1.31	3.43	-1.65	5.33	1.96	7.65	7.07	6.24	5.41	5.87	4.62
22	3.90	-1.34	3.64	-1.98	4.44	2.99	7.51	6.58	6.33	5.52	5.55	3.83
23	4.17	-1.62	3.58	-1.96	4.60	2.62	7.44	6.33	6.34	5.30	5.04	3.15
24	4.17	-1.35	3.96	-1.77	7.06	3.35	6.79	6.47	6.15	4.98	5.22	2.51
25	4.42	-1.31	4.85	-0.68	7.73	4.16	7.15	6.69	6.47	5.30	5.04	1.90
26	4.15	-1.34	4.61	1.38	5.37	2.38	7.02	5.75	6.28	5.24	4.92	1.53
27	3.99	-1.45	4.41	0.37	6.00	2.83	5.96	5.45	5.75	4.90	4.83	0.85
28	3.74	-1.97	4.94	0.29	6.83	4.64	6.73	5.64	5.99	4.96	4.87	0.93
29	3.93	-1.78	9.84	0.82	7.87	6.31	6.73	6.24	---	---	6.46	2.66
30	4.21	-1.74	9.52	4.80	8.19	7.18	6.64	6.18	---	---	6.88	4.47
31	4.23	-1.52	---	---	8.67	6.12	6.63	6.08	---	---	7.48	5.52
MONTH	5.39	-1.97	9.84	-1.99	8.67	-0.46	9.23	2.83	7.03	4.90	7.48	0.85

01049320 KENNEBEC RIVER AT FATHER CURRAN BRIDGE AT AUGUSTA, ME—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	8.07	5.96	12.29	11.07	9.34	6.73	4.56	-0.42	3.56	-1.29	4.80	0.74
2	7.63	5.94	11.51	9.21	7.76	5.18	4.56	---	3.87	-1.24	5.93	2.08
3	15.41	7.29	9.83	8.13	6.63	3.87	4.39	---	3.90	-1.31	4.78	-0.54
4	18.79	15.41	9.05	7.06	6.06	3.09	4.16	-0.99	3.85	-1.69	4.06	-0.79
5	16.91	12.60	8.04	5.99	5.96	2.36	---	-0.86	3.94	-1.48	3.55	-0.95
6	12.93	11.14	7.30	5.10	5.49	1.91	---	-0.82	3.70	-1.76	3.32	-1.51
7	12.45	11.28	7.05	4.86	5.53	0.61	4.19	-0.84	3.50	-1.85	3.27	-2.28
8	11.99	10.57	7.53	5.19	4.78	-0.09	4.14	-0.78	3.55	-1.91	3.70	-2.13
9	11.28	9.74	8.19	5.79	4.87	1.19	4.08	-0.83	3.40	-1.76	3.71	-1.43
10	10.23	8.43	7.53	5.21	4.84	1.37	4.35	-0.07	3.55	-1.75	3.50	-1.67
11	9.45	7.85	7.06	4.21	4.59	1.39	---	---	3.47	-1.80	3.68	-1.57
12	8.77	6.97	6.11	3.54	4.63	1.45	4.14	-0.12	3.41	-1.86	3.60	-1.64
13	7.96	5.93	5.34	3.24	4.51	1.16	3.63	-0.62	3.66	-1.68	4.10	-1.49
14	6.80	4.77	5.28	2.93	4.63	1.29	3.62	-0.98	3.79	-2.10	4.18	-1.54
15	5.92	4.02	5.17	2.77	6.60	1.99	3.73	-1.02	4.01	-2.02	4.23	-1.46
16	4.77	3.36	4.55	1.65	6.32	4.45	3.91	-1.00	4.10	-2.19	4.44	-1.66
17	4.94	2.78	4.53	2.08	7.37	4.28	4.17	-0.75	4.29	-2.18	4.54	-1.21
18	4.68	2.29	4.31	1.75	7.37	5.31	4.18	-0.92	4.40	-2.22	4.70	-1.26
19	5.78	3.86	4.34	1.53	7.21	5.88	4.52	-1.29	4.45	-2.37	4.52	-1.28
20	5.55	3.78	4.39	1.37	7.56	3.84	4.80	-1.31	4.60	-2.24	4.63	-1.31
21	6.57	4.51	4.62	1.32	6.43	2.71	4.89	-1.30	4.70	-2.01	4.34	-1.33
22	7.20	4.78	4.88	1.45	6.26	2.32	5.15	-1.17	4.58	-2.01	4.14	-1.41
23	6.50	4.23	6.18	2.99	5.96	1.72	5.02	-1.25	4.28	-1.92	3.78	-1.18
24	7.39	4.52	8.27	5.33	5.89	1.30	4.79	-1.41	3.92	-1.96	3.43	-1.34
25	14.78	7.39	8.91	6.80	5.46	1.03	4.58	-1.36	3.70	-2.42	3.48	-1.27
26	15.11	13.55	11.38	6.91	5.13	0.75	4.31	-1.36	3.62	-2.42	3.77	-1.14
27	13.99	12.19	17.36	11.38	4.82	0.15	4.13	-1.18	3.44	-2.30	3.39	-0.97
28	17.64	12.05	16.97	12.98	4.29	-0.08	3.85	-1.01	3.25	-2.39	3.32	-1.19
29	18.46	16.01	12.98	10.36	4.21	-0.16	3.85	-1.08	3.48	-2.31	3.77	-1.21
30	16.01	12.29	10.36	7.22	4.14	-1.46	3.60	-1.01	3.49	-1.83	3.62	-0.79
31	---	---	9.48	7.31	---	---	3.48	-1.29	3.51	-1.74	---	---
MONTH	18.79	2.29	17.36	1.32	9.34	-1.46	5.15	-1.41	4.70	-2.42	5.93	-2.28
YEAR	18.79	-2.42										



01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME

LOCATION.--Lat 44° 13'45", long 69° 46'41", 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 mi^2.

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.--No estimated daily discharges. Records good. 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 ft^3/s, Mar. 21, 1936, gage height unknown; minimum discharge, leakage only when all gates in dam were closed several days in 1890-1909.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,870 ft^3/s, Apr. 4, gage height, 9.86 ft; minimum daily discharge, 44 ft^3/s, Aug. 26.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

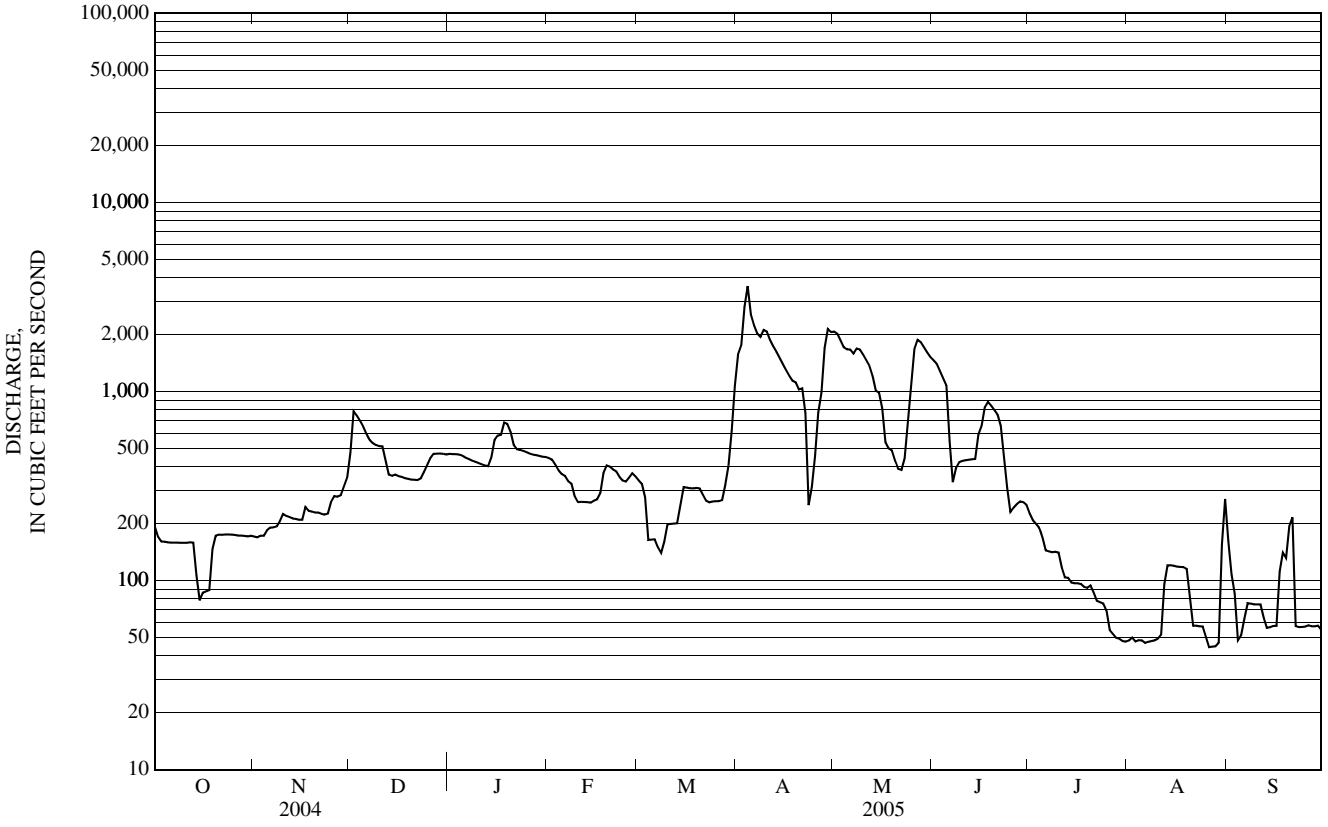
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	193	171	474	468	445	339	1,570	2,080	1,460	226	48	162
2	171	169	787	467	436	325	1,760	2,020	1,400	208	50	108
3	161	173	746	467	410	276	2,800	1,860	1,290	199	48	85
4	161	173	701	464	383	164	3,610	1,720	1,180	190	48	48
5	160	185	654	458	366	165	2,560	1,670	1,080	169	48	51
6	159	191	599	446	358	165	2,240	1,670	548	144	47	63
7	159	191	556	439	335	150	2,030	1,590	332	143	47	76
8	159	193	534	430	325	140	1,940	1,690	394	141	48	76
9	159	206	521	425	279	161	2,110	1,670	422	142	48	75
10	159	225	514	418	260	199	2,080	1,570	429	141	49	75
11	159	220	513	412	261	199	1,880	1,470	433	118	52	75
12	159	217	433	406	261	200	1,730	1,370	436	104	96	64
13	159	213	364	403	260	201	1,620	1,210	438	103	120	56
14	106	212	358	448	259	249	1,500	1,010	440	98	121	57
15	79	210	364	555	265	312	1,400	986	591	97	120	58
16	86	210	357	585	269	310	1,300	814	657	97	119	58
17	88	245	353	591	290	308	1,210	540	825	96	118	112
18	89	234	348	684	372	308	1,140	500	882	93	118	141
19	147	232	346	674	406	309	1,120	489	841	91	115	132
20	173	229	342	614	401	307	1,020	432	799	94	80	193
21	175	229	342	521	387	285	1,040	390	755	86	58	216
22	175	226	340	495	378	265	767	385	657	78	58	57
23	175	223	347	490	354	259	251	444	446	77	57	57
24	175	226	375	485	338	262	313	719	309	76	57	57
25	175	261	409	478	334	263	455	1,100	230	69	50	57
26	174	280	444	469	350	263	773	1,670	243	55	44	58
27	173	278	468	464	369	266	984	1,870	253	52	45	57
28	173	283	469	461	356	321	1,700	1,820	262	50	45	57
29	172	315	470	456	---	405	2,140	1,720	260	49	47	58
30	171	350	469	452	---	616	2,060	1,610	252	48	155	55
31	173	---	465	451	---	1,070	---	1,520	---	48	270	---
TOTAL	4,797	6,770	14,462	15,076	9,507	9,062	47,103	39,609	18,544	3,382	2,426	2,494
MEAN	155	226	467	486	340	292	1,570	1,278	618	109	78.3	83.1
MAX	193	350	787	684	445	1,070	3,610	2,080	1,460	226	270	216
MIN	79	169	340	403	259	140	251	385	230	48	44	48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2005, BY WATER YEAR (WY)

MEAN	253	271	338	290	301	532	939	466	308	185	165	191
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)

01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1906 - 2005	
ANNUAL TOTAL	99,675		173,232			
ANNUAL MEAN	272		475		353	
HIGHEST ANNUAL MEAN					723	1984
LOWEST ANNUAL MEAN					172	1985
HIGHEST DAILY MEAN	1,020	Jan 1	3,610	Apr 4	4,320	Mar 20, 1936
LOWEST DAILY MEAN	56	Jul 26	44	Aug 26	0.00	Aug 25, 1907
ANNUAL SEVEN-DAY MINIMUM	59	Jul 21	48	Aug 3	7.9	Aug 26, 1983
MAXIMUM PEAK FLOW			3,870	Apr 4	5,020	Mar 21, 1936
MAXIMUM PEAK STAGE			9.86	Apr 4		
10 PERCENT EXCEEDS	495		1,400		773	
50 PERCENT EXCEEDS	204		280		260	
90 PERCENT EXCEEDS	91		58		54	



01049505 KENNEBEC RIVER AT GARDINER, ME

LOCATION.--Lat 44° 13'49", long 69° 46'10", 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 mi^2.

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.--Gage height affected by ocean tides. Flow regulated by Indian and PlymouthPonds, and Moosehead, Brassua, Flagstaff, Wyman, Great Moose, and Sebasticook Lakes, combined capacity about 50.318 billion ft^3. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 13.43 ft, Apr. 4, 2005; 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, 13.43 ft, Apr. 4; minimum gage height, -2.00 ft, Aug. 19.

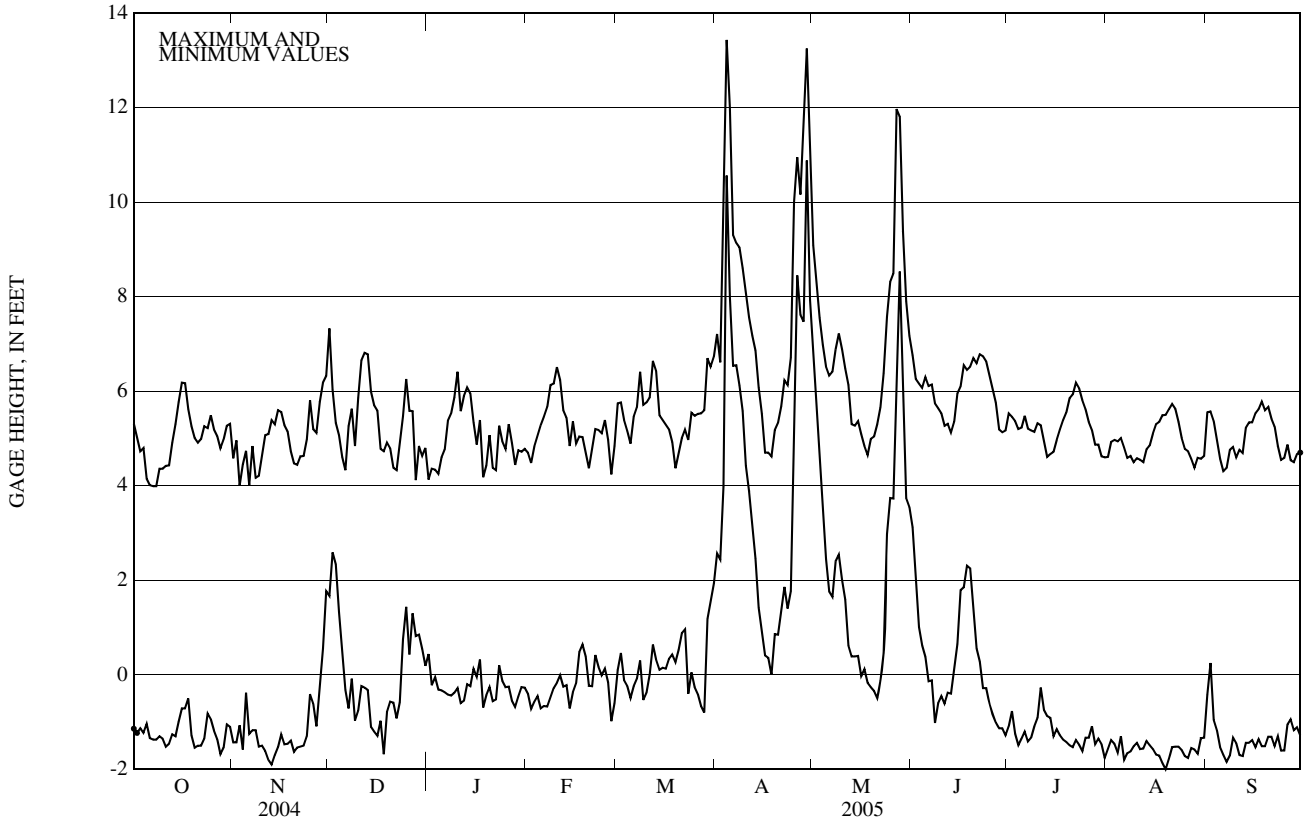
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.31	-1.14	4.58	-1.43	7.33	1.67	4.13	0.44	4.70	-0.40	5.74	0.10
2	5.01	-1.23	4.96	-1.43	6.03	2.59	4.36	-0.22	4.48	-0.72	5.76	0.46
3	4.73	-1.13	4.00	-1.07	5.33	2.34	4.34	-0.05	4.83	-0.57	5.39	-0.12
4	4.80	-1.23	4.45	-1.58	5.07	1.33	4.25	-0.31	5.06	-0.45	5.16	-0.24
5	4.15	-1.04	4.74	-0.38	4.61	0.59	4.60	-0.33	5.28	-0.71	4.89	-0.49
6	4.01	-1.34	4.01	-1.25	4.33	-0.32	4.77	-0.37	5.46	-0.66	5.46	-0.24
7	3.99	-1.37	4.84	-1.17	5.26	-0.71	5.38	-0.42	5.67	-0.67	5.66	-0.08
8	3.99	-1.37	4.17	-1.17	5.63	-0.08	5.53	-0.44	6.13	-0.48	6.41	0.30
9	4.36	-1.30	4.21	-1.52	4.84	-0.97	5.87	-0.38	6.16	-0.28	5.71	-0.53
10	4.36	-1.35	4.62	-1.50	5.86	-0.76	6.41	-0.28	6.51	-0.17	5.76	-0.38
11	4.42	-1.52	5.07	-1.61	6.65	-0.24	5.58	-0.60	6.24	-0.01	5.87	0.01
12	4.43	-1.46	5.09	-1.80	6.81	-0.27	5.90	-0.55	5.60	-0.25	6.64	0.64
13	4.91	-1.26	5.39	-1.90	6.78	-0.32	6.08	-0.20	5.44	-0.22	6.43	0.32
14	5.30	-1.30	5.30	-1.70	5.99	-1.10	5.95	-0.24	4.84	-0.71	5.49	0.11
15	5.77	-0.99	5.60	-1.53	5.70	-1.20	5.34	0.13	5.36	-0.37	5.39	0.15
16	6.18	-0.71	5.56	-1.26	5.59	-1.29	4.87	-0.04	4.89	-0.18	5.29	0.13
17	6.17	-0.71	5.28	-1.47	4.78	-0.97	5.39	0.32	5.04	0.48	5.19	0.34
18	5.62	-0.50	5.15	-1.46	4.73	-1.68	4.18	-0.69	5.03	0.64	4.92	0.43
19	5.26	-1.28	4.73	-1.39	4.91	-0.79	4.43	-0.43	4.71	0.39	4.37	0.27
20	5.01	-1.54	4.47	-1.63	4.79	-0.57	5.07	-0.26	4.37	-0.23	4.70	0.53
21	4.91	-1.50	4.44	-1.54	4.38	-0.59	4.38	-0.56	4.77	-0.24	5.01	0.88
22	4.99	-1.50	4.62	-1.52	4.33	-0.92	4.33	-0.52	5.20	0.42	5.19	0.96
23	5.26	-1.35	4.63	-1.50	4.87	-0.58	5.27	0.20	5.18	0.17	4.97	-0.40
24	5.22	-0.82	4.98	-1.30	5.47	0.75	4.94	-0.13	5.11	-0.01	5.54	0.05
25	5.49	-0.94	5.81	-0.41	6.26	1.44	4.78	-0.26	5.39	0.13	5.48	-0.26
26	5.19	-1.18	5.20	-0.61	5.59	0.43	5.30	-0.25	4.97	-0.16	5.52	-0.41
27	5.05	-1.36	5.12	-1.09	5.58	1.30	4.90	-0.55	4.24	-0.98	5.53	-0.66
28	4.79	-1.68	5.77	-0.32	4.12	0.82	4.44	-0.68	4.84	-0.60	5.60	-0.80
29	4.98	-1.54	6.18	0.56	4.84	0.85	4.75	-0.46	---	---	6.70	1.18
30	5.27	-1.05	6.32	1.77	4.63	0.55	4.72	-0.26	---	---	6.52	1.55
31	5.31	-1.10	---	---	4.80	0.19	4.78	-0.27	---	---	6.73	1.93
MONTH	6.18	-1.68	6.32	-1.90	7.33	-1.68	6.41	-0.69	6.51	-0.98	6.73	-0.80

01049505 KENNEBEC RIVER AT GARDINER, ME—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.21	2.57	9.09	6.51	6.76	3.12	5.53	-1.09	4.61	-1.57	5.55	-0.42
2	6.61	2.44	8.39	5.22	6.26	1.99	5.46	-0.77	4.93	-1.38	5.57	0.25
3	10.56	3.98	7.55	4.19	6.16	1.01	5.37	-1.25	4.97	-1.46	5.37	-0.95
4	13.43	10.56	6.98	3.34	6.07	0.62	5.20	-1.49	4.94	-1.64	4.99	-1.17
5	12.00	8.00	6.52	2.45	6.30	0.38	5.23	-1.35	5.01	-1.30	4.57	-1.53
6	9.31	6.54	6.33	1.76	6.11	-0.14	5.48	-1.20	4.81	-1.80	4.31	-1.69
7	9.14	6.55	6.41	1.65	6.14	-0.12	5.21	-1.41	4.59	-1.66	4.38	-1.84
8	9.04	6.12	6.89	2.40	5.74	-1.02	5.17	-1.33	4.63	-1.62	4.76	-1.71
9	8.60	5.58	7.22	2.54	5.64	-0.60	5.14	-1.09	4.50	-1.51	4.82	-1.33
10	8.10	4.42	6.89	2.01	5.53	-0.45	5.32	-0.91	4.58	-1.44	4.60	-1.45
11	7.56	3.88	6.48	1.59	5.27	-0.61	5.28	-0.27	4.55	-1.57	4.76	-1.70
12	7.18	3.20	6.13	0.62	5.31	-0.38	4.95	-0.74	4.50	-1.56	4.69	-1.72
13	6.86	2.46	5.30	0.39	5.12	-0.40	4.61	-0.87	4.77	-1.40	5.23	-1.44
14	6.08	1.42	5.27	0.39	5.35	0.11	4.67	-0.91	4.85	-1.49	5.34	-1.44
15	5.52	0.93	5.37	0.40	5.95	0.65	4.72	-1.30	5.10	-1.57	5.34	-1.38
16	4.70	0.41	5.09	-0.03	6.10	1.79	4.97	-1.15	5.30	-1.69	5.53	-1.53
17	4.70	0.36	4.84	0.12	6.55	1.85	5.19	-1.28	5.35	-1.71	5.62	-1.36
18	4.62	0.00	4.65	-0.17	6.45	2.31	5.39	-1.37	5.49	-1.87	5.78	-1.51
19	5.18	0.86	4.99	-0.26	6.52	2.25	5.55	-1.42	5.50	-2.00	5.60	-1.51
20	5.33	0.85	5.04	-0.34	6.70	1.42	5.85	-1.49	5.62	-1.78	5.67	-1.31
21	5.68	1.33	5.30	-0.49	6.59	0.56	5.93	-1.53	5.73	-1.53	5.42	-1.31
22	6.23	1.86	5.66	-0.13	6.78	0.28	6.18	-1.38	5.63	-1.52	5.25	-1.51
23	6.13	1.40	6.38	0.46	6.74	-0.28	6.06	-1.48	5.35	-1.52	4.84	-1.30
24	6.71	1.77	7.58	2.98	6.63	-0.28	5.81	-1.61	5.01	-1.59	4.55	-1.60
25	10.00	4.63	8.31	3.74	6.35	-0.61	5.62	-1.33	4.78	-1.72	4.59	-1.60
26	10.95	8.45	8.49	3.73	6.05	-0.82	5.35	-1.33	4.73	-1.76	4.87	-1.05
27	10.16	7.62	11.97	6.51	5.76	-1.01	5.18	-1.09	4.57	-1.55	4.54	-0.94
28	11.78	7.47	11.81	8.53	5.19	-1.13	4.87	-1.47	4.38	-1.58	4.50	-1.17
29	13.25	10.88	9.38	6.23	5.13	-1.13	4.87	-1.35	4.59	-1.67	4.67	-1.11
30	10.88	7.93	7.90	3.74	5.17	-1.28	4.62	-1.47	4.57	-1.34	4.70	-1.28
31	---	---	7.17	3.55	---	---	4.60	-1.76	4.63	-1.33	---	---
MONTH	13.43	0.00	11.97	-0.49	6.78	-1.28	6.18	-1.76	5.73	-2.00	5.78	-1.84
YEAR	13.43	-2.00										



01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH

LOCATION.--Lat 44° 52'39", long 71° 03'27", 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 mi^2.

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. Datum of gage is 1,259.48 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 18-24 and Dec. 3 to Apr. 13, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,800 ft^3/s, Mar. 31, 1998, gage height, 12.11 ft, from rating curve extended above 7,500 ft^3/s; maximum gage height, 19.45 ft, Apr. 3, 2005 (backwater from ice); minimum discharge, 6.8 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 3	2115	Ice Jam	*19.45	Apr 21	0200	3,950	7.62
Apr 4	- - -	3,640[a]	- - -	Apr 24	1900	*5,000	8.34

Minimum discharge, 28 ft^3/s, Aug. 28, gage height, 1.73 ft.

[a] Estimated daily discharge

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	204	569	e433	e98	e86	e736	1,770	556	225	62	1,700
2	68	164	752	e418	e96	e85	e645	1,250	419	196	69	418
3	67	372	e443	e274	e94	e88	e3,640	925	337	157	121	190
4	67	284	e332	e226	e93	e85	e2,620	739	282	124	90	134
5	66	267	e287	e189	e92	e83	e1,870	594	238	107	64	108
6	65	284	e177	e163	e90	e81	e1,490	537	208	193	57	87
7	64	473	e211	e151	e89	e80	e1,300	532	190	180	51	73
8	62	426	e207	e146	e89	e79	e2,070	537	164	119	45	66
9	60	292	e194	e144	e94	e82	e1,790	492	151	453	41	80
10	58	200	e201	e142	e103	e82	e1,460	511	211	610	38	68
11	58	203	e204	e141	e100	e82	e1,370	526	197	1,090	49	58
12	61	182	e201	e140	e94	e79	e863	515	175	401	65	53
13	59	134	e188	e147	e88	e77	e652	368	165	238	49	48
14	56	135	e171	e1,670	e88	e72	649	300	529	183	42	46
15	76	143	e144	e1,240	e88	e69	694	418	1,920	211	47	51
16	267	144	e131	e568	e90	e69	917	561	1,070	152	46	73
17	282	137	e128	e369	e153	e68	1,540	475	1,080	126	38	93
18	206	e140	e121	e263	e134	e68	2,200	376	1,800	115	34	170
19	147	e154	e117	e219	e112	e68	2,120	373	1,140	133	31	186
20	116	e166	e113	e213	e106	e69	2,940	308	559	150	31	119
21	100	e154	e111	e189	e101	e70	3,230	268	380	113	77	95
22	91	e163	e110	e162	e98	e75	1,730	312	331	90	80	78
23	86	e170	e362	e143	e99	e80	1,470	550	269	83	52	67
24	82	e158	e1,230	e132	e96	e82	3,160	989	216	72	43	67
25	77	930	e688	e124	e93	e83	4,090	534	181	65	42	59
26	75	1,250	e326	e119	e91	e78	2,020	515	153	67	35	59
27	73	498	e241	e113	e89	e79	1,500	896	200	106	31	309
28	70	499	e210	e109	e87	e83	1,960	657	230	324	30	192
29	68	1,950	e200	e106	---	e100	2,490	525	186	137	48	146
30	67	841	e187	e102	---	e270	1,700	634	497	89	98	293
31	107	---	e181	e100	---	e458	---	835	---	70	599	---
TOTAL	2,872	11,117	8,737	8,655	2,745	3,010	54,916	18,822	14,034	6,379	2,205	5,186
MEAN	92.6	371	282	279	98.0	97.1	1,831	607	468	206	71.1	173
MAX	282	1,950	1,230	1,670	153	458	4,090	1,770	1,920	1,090	599	1,700
MIN	56	134	110	100	87	68	645	268	151	65	30	46
CFSM	0.61	2.44	1.85	1.84	0.64	0.64	12.0	3.99	3.08	1.35	0.47	1.14
IN.	0.70	2.72	2.14	2.12	0.67	0.74	13.44	4.61	3.43	1.56	0.54	1.27

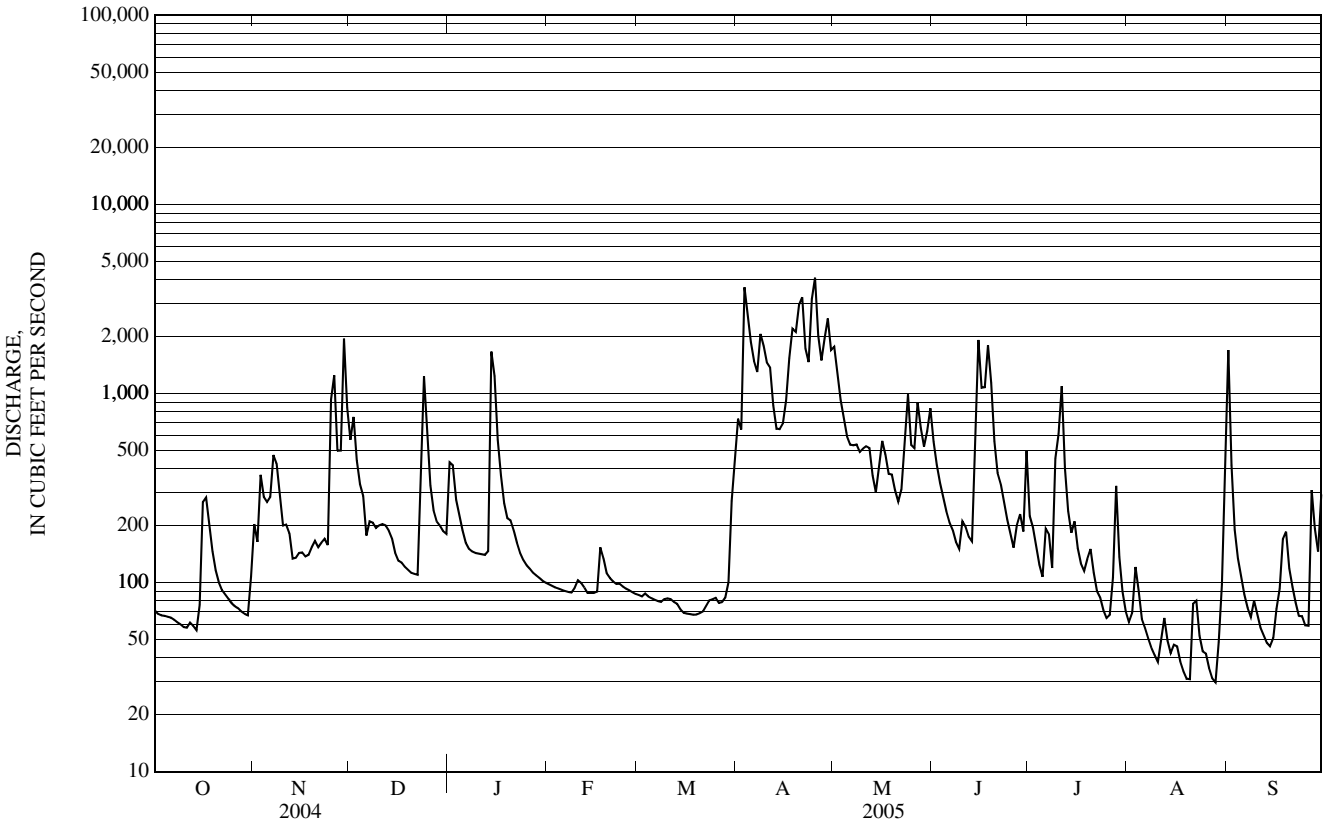
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2005, BY WATER YEAR (WY)

MEAN	263	337	234	168	145	285	1,093	903	321	170	137	149
MAX	869	733	739	575	783	936	1,831	2,115	804	703	492	836
(WY)	(1991)	(1964)	(1974)	(1995)	(1981)	(1998)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1941 - 2005	
ANNUAL TOTAL	116,863		138,678			
ANNUAL MEAN	319		380		351	
HIGHEST ANNUAL MEAN					524	1996
LOWEST ANNUAL MEAN					225	1965
HIGHEST DAILY MEAN	4,440	Apr 20	4,090	Apr 25	9,900	Mar 31, 1998
LOWEST DAILY MEAN	52	Jul 5	30	Aug 28	6.8	Aug 28, 1949
ANNUAL SEVEN-DAY MINIMUM	58	Feb 24	38	Aug 14	9.0	Sep 11, 1952
MAXIMUM PEAK FLOW			5,000	Apr 24	12,800	Mar 31, 1998
MAXIMUM PEAK STAGE			19.45	Apr 3	19.45	Apr 3, 2005
INSTANTANEOUS LOW FLOW			28	Aug 28	6.8	Aug 27, 1949
ANNUAL RUNOFF (CFSM)	2.10		2.50		2.31	
ANNUAL RUNOFF (INCHES)	28.60		33.94		31.37	
10 PERCENT EXCEEDS	784		1,070		845	
50 PERCENT EXCEEDS	166		151		158	
90 PERCENT EXCEEDS	68		63		52	



01053500 ANDROSCOGGIN RIVER AT ERROL, NH

LOCATION.--Lat 44°46'57", long 71°07'43", 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 mi^2.

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.--No estimated daily discharges. Records good. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, combined usable capacity about 28.1 billion ft^3, 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 ft^3/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, 8,520 ft^3/s, Apr. 26, gage height, 6.44 ft; minimum daily discharge, 1,030 ft^3/s, Nov. 30.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

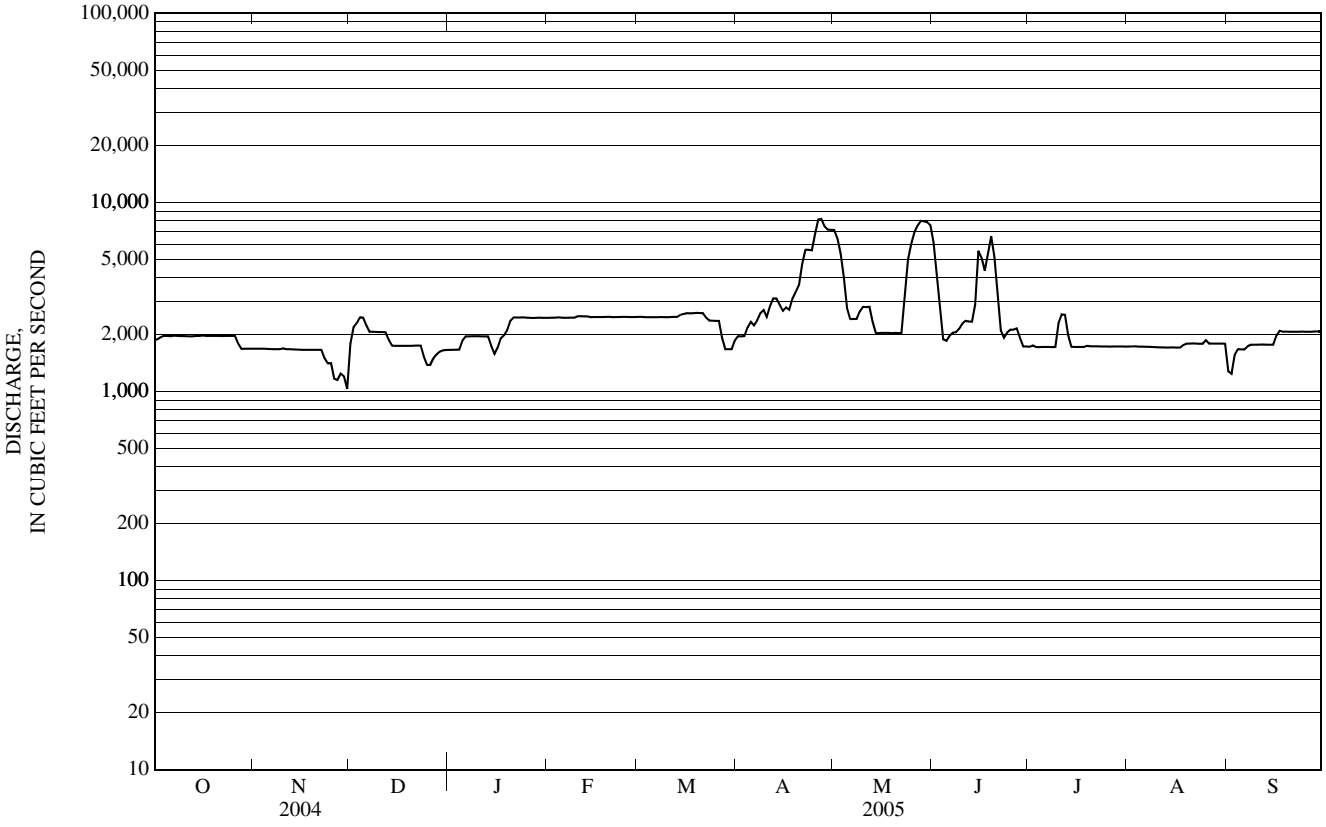
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,870	1,690	1,790	1,660	2,450	2,480	1,960	7,140	6,120	1,720	1,730	1,280
2	1,900	1,690	2,190	1,660	2,460	2,480	1,960	6,470	4,080	1,750	1,730	1,240
3	1,950	1,690	2,300	1,660	2,460	2,480	1,960	5,360	2,700	1,720	1,730	1,560
4	1,970	1,680	2,470	1,660	2,470	2,470	2,190	4,020	1,890	1,720	1,730	1,670
5	1,970	1,680	2,460	1,860	2,460	2,470	2,340	2,770	1,850	1,720	1,730	1,670
6	1,960	1,680	2,240	1,960	2,450	2,470	2,240	2,410	1,970	1,720	1,720	1,670
7	1,980	1,680	2,070	1,960	2,460	2,470	2,380	2,420	2,050	1,720	1,720	1,740
8	1,970	1,680	2,070	1,960	2,460	2,480	2,600	2,420	2,060	1,720	1,720	1,770
9	1,970	1,680	2,070	1,960	2,460	2,470	2,700	2,650	2,150	1,720	1,720	1,770
10	1,960	1,690	2,060	1,960	2,500	2,470	2,480	2,810	2,290	2,300	1,710	1,770
11	1,960	1,670	2,060	1,960	2,500	2,480	2,830	2,800	2,360	2,560	1,710	1,770
12	1,960	1,670	2,060	1,960	2,500	2,480	3,110	2,800	2,340	2,550	1,710	1,770
13	1,960	1,670	1,880	1,960	2,500	2,480	3,110	2,340	2,340	1,990	1,710	1,770
14	1,970	1,670	1,750	1,740	2,470	2,540	2,870	2,040	2,890	1,720	1,710	1,770
15	1,970	1,660	1,750	1,580	2,480	2,570	2,670	2,040	5,550	1,720	1,710	1,770
16	1,980	1,660	1,740	1,710	2,480	2,600	2,780	2,040	5,100	1,720	1,710	1,980
17	1,970	1,660	1,740	1,920	2,480	2,590	2,700	2,040	4,360	1,720	1,710	2,100
18	1,970	1,660	1,740	1,990	2,480	2,600	3,090	2,040	5,360	1,720	1,760	2,070
19	1,970	1,660	1,750	2,120	2,480	2,600	3,360	2,040	6,610	1,740	1,790	2,080
20	1,970	1,660	1,750	2,370	2,480	2,600	3,670	2,040	5,160	1,730	1,790	2,070
21	1,970	1,660	1,750	2,470	2,470	2,600	4,740	2,040	3,340	1,730	1,800	2,070
22	1,970	1,660	1,750	2,460	2,480	2,460	5,630	2,040	2,110	1,730	1,790	2,070
23	1,970	1,500	1,750	2,460	2,480	2,370	5,610	3,250	1,930	1,730	1,790	2,070
24	1,970	1,410	1,530	2,470	2,480	2,370	5,580	4,990	2,050	1,730	1,790	2,070
25	1,970	1,410	1,380	2,460	2,480	2,370	6,790	6,020	2,120	1,730	1,870	2,070
26	1,970	1,170	1,380	2,450	2,480	2,370	8,110	6,950	2,120	1,730	1,790	2,070
27	1,790	1,150	1,500	2,450	2,480	1,920	8,180	7,530	2,160	1,730	1,790	2,070
28	1,680	1,240	1,570	2,450	2,480	1,680	7,470	7,990	1,920	1,730	1,790	2,080
29	1,680	1,200	1,630	2,460	---	1,670	7,180	7,940	1,730	1,730	1,790	2,080
30	1,680	1,030	1,650	2,450	---	1,670	7,160	7,870	1,730	1,730	1,790	2,080
31	1,690	---	1,660	2,450	---	1,860	---	7,580	---	1,730	1,790	---
TOTAL	59,520	46,910	57,490	64,640	69,310	73,620	119,450	124,890	90,440	56,010	54,330	56,020
MEAN	1,920	1,564	1,855	2,085	2,475	2,375	3,982	4,029	3,015	1,807	1,753	1,867
MAX	1,980	1,690	2,470	2,470	2,500	2,600	8,180	7,990	6,610	2,560	1,870	2,100
MIN	1,680	1,030	1,380	1,580	2,450	1,670	1,960	2,040	1,730	1,720	1,710	1,240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2005, BY WATER YEAR (WY)

MEAN	1,592	1,554	1,723	1,794	1,868	1,861	2,187	3,072	2,260	1,771	1,676	1,685
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)

01053500 ANDROSCOGGIN RIVER AT ERROL, NH—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1905 - 2005	
ANNUAL TOTAL	739,209		872,630			
ANNUAL MEAN	2,020		2,391		1,919	
HIGHEST ANNUAL MEAN					3,117	1996
LOWEST ANNUAL MEAN					1,046	1911
HIGHEST DAILY MEAN	6,680	Apr 21	8,180	Apr 27	16,100	May 22, 1969
LOWEST DAILY MEAN	992	Mar 30	1,030	Nov 30	0.00	Oct 31, 1917
ANNUAL SEVEN-DAY MINIMUM	1,230	Jul 28	1,230	Nov 24	152	Mar 21, 1948
MAXIMUM PEAK FLOW			8,520	Apr 26	16,500	May 22, 1969
MAXIMUM PEAK STAGE			6.44	Apr 26	9.40	May 22, 1969
10 PERCENT EXCEEDS	3,380		3,100		2,630	
50 PERCENT EXCEEDS	1,800		1,970		1,690	
90 PERCENT EXCEEDS	1,250		1,670		1,140	



01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH

LOCATION.--Lat 44° 26'09", long 71° 11'25", 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 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 1913 to current year. October 1922 to September 1928, monthly discharge only, published in WSP 1301. Discharges for Dececember 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.--No estimated daily discharges. Records good. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, combined usable capacity about 28.1 billion ft^3, 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 ft^3/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, 11,300 ft^3/s, Apr. 25, gage height, 7.84 ft; minimum daily discharge, 1,630 ft^3/s, Aug. 19.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

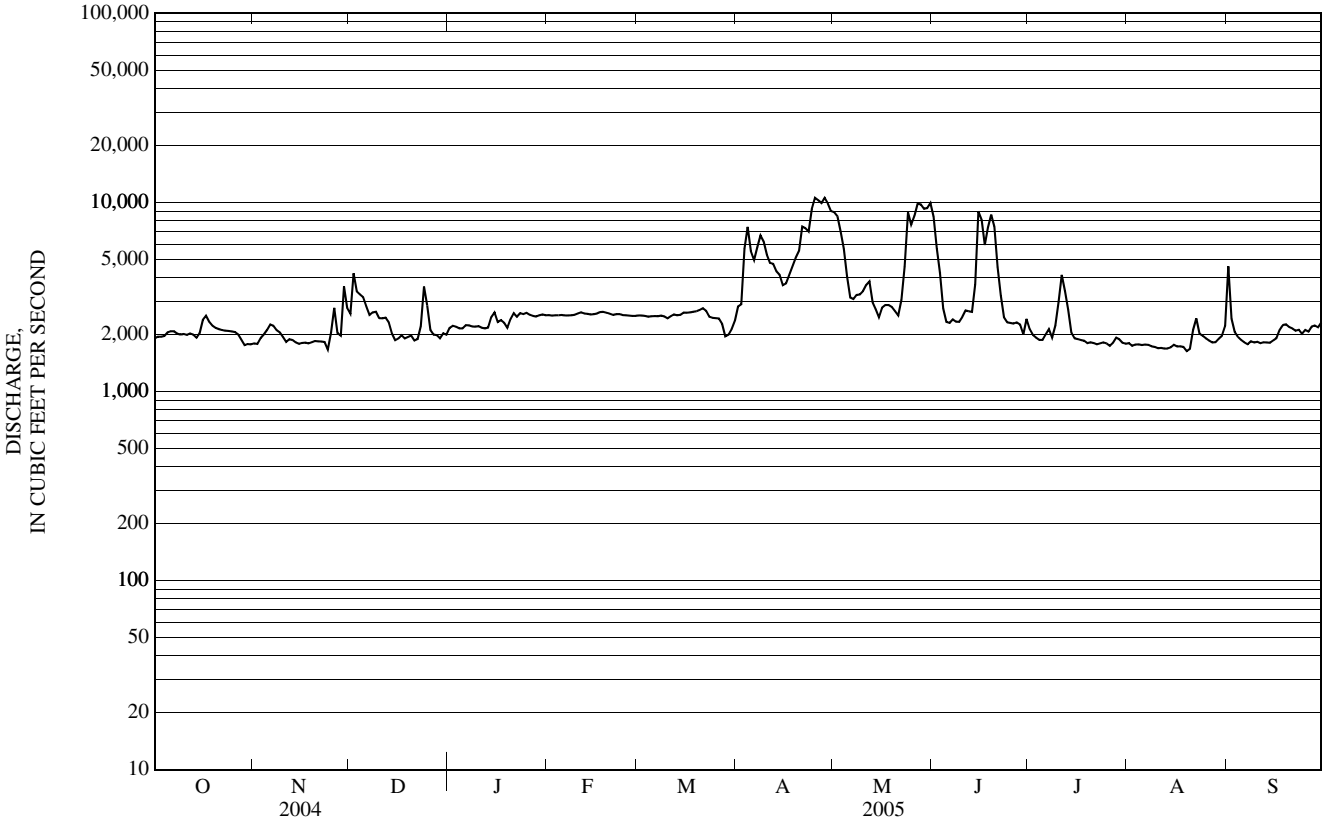
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,910	1,800	2,570	2,170	2,540	2,530	2,820	8,890	8,400	2,130	1,800	4,600
2	1,950	1,790	4,220	2,220	2,520	2,520	2,900	8,460	5,710	1,990	1,750	2,430
3	1,950	1,920	3,390	2,200	2,530	2,510	5,700	7,020	4,230	1,930	1,770	2,070
4	1,970	2,000	3,260	2,160	2,530	2,490	7,420	5,690	2,750	1,880	1,770	1,950
5	2,050	2,120	3,150	2,160	2,540	2,500	5,530	4,070	2,330	1,880	1,760	1,880
6	2,080	2,260	2,820	2,240	2,530	2,510	4,960	3,140	2,310	2,010	1,770	1,820
7	2,080	2,230	2,540	2,240	2,520	2,500	5,790	3,080	2,410	2,140	1,770	1,780
8	2,020	2,110	2,620	2,210	2,530	2,520	6,690	3,240	2,340	1,930	1,740	1,840
9	2,000	2,060	2,640	2,200	2,540	2,500	6,220	3,260	2,340	2,230	1,720	1,820
10	2,020	1,940	2,440	2,220	2,580	2,440	5,290	3,390	2,480	2,970	1,700	1,830
11	1,990	1,830	2,440	2,180	2,620	2,500	4,790	3,660	2,690	4,140	1,700	1,800
12	2,030	1,890	2,460	2,160	2,580	2,550	4,730	3,820	2,660	3,410	1,690	1,820
13	2,000	1,870	2,320	2,180	2,580	2,530	4,320	2,970	2,640	2,710	1,690	1,820
14	1,930	1,820	2,030	2,480	2,550	2,550	4,150	2,720	3,690	2,050	1,710	1,810
15	2,040	1,790	1,870	2,620	2,560	2,610	3,650	2,470	8,980	1,910	1,770	1,870
16	2,390	1,810	1,910	2,330	2,580	2,610	3,730	2,780	8,130	1,890	1,730	1,920
17	2,510	1,820	1,980	2,390	2,630	2,620	4,140	2,870	5,950	1,870	1,730	2,120
18	2,340	1,800	1,910	2,310	2,640	2,640	4,600	2,870	7,390	1,860	1,720	2,250
19	2,230	1,820	1,940	2,170	2,610	2,660	5,100	2,800	8,620	1,800	1,630	2,270
20	2,170	1,850	1,980	2,420	2,580	2,700	5,540	2,660	7,430	1,820	1,680	2,190
21	2,140	1,840	1,860	2,600	2,540	2,760	7,450	2,530	4,550	1,800	2,120	2,150
22	2,110	1,840	1,890	2,490	2,570	2,670	7,310	3,060	3,230	1,780	2,440	2,090
23	2,100	1,830	2,220	2,600	2,570	2,490	7,010	4,570	2,470	1,800	2,020	2,120
24	2,090	1,670	3,590	2,570	2,530	2,450	9,230	8,860	2,320	1,820	1,970	2,020
25	2,080	2,050	2,850	2,610	2,530	2,450	10,600	7,620	2,310	1,800	1,910	2,110
26	2,060	2,770	2,120	2,540	2,520	2,430	10,300	8,470	2,290	1,750	1,860	2,080
27	2,000	2,040	2,000	2,510	2,510	2,280	9,920	9,840	2,320	1,810	1,820	2,200
28	1,880	1,970	1,990	2,490	2,510	1,960	10,600	9,760	2,260	1,930	1,830	2,240
29	1,760	3,590	1,910	2,530	---	2,000	9,880	9,260	2,010	1,890	1,900	2,190
30	1,780	2,770	2,030	2,550	---	2,140	9,000	9,330	2,420	1,810	1,970	2,320
31	1,770	---	2,000	2,530	---	2,360	---	9,950	---	1,790	2,220	---
TOTAL	63,430	60,900	74,950	73,280	71,570	76,980	189,370	163,110	119,660	64,530	56,660	63,410
MEAN	2,046	2,030	2,418	2,364	2,556	2,483	6,312	5,262	3,989	2,082	1,828	2,114
MAX	2,510	3,590	4,220	2,620	2,640	2,760	10,600	9,950	8,980	4,140	2,440	4,600
MIN	1,760	1,670	1,860	2,160	2,510	1,960	2,820	2,470	2,010	1,750	1,630	1,780

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2005, BY WATER YEAR (WY)

MEAN	2,049	2,106	2,167	2,144	2,169	2,494	3,981	4,229	2,793	2,067	1,917	1,971
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)

01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1914 - 2005	
ANNUAL TOTAL	888,764		1,077,850			
ANNUAL MEAN	2,428		2,953		2,512	
HIGHEST ANNUAL MEAN					4,147	1996
LOWEST ANNUAL MEAN					1,689	1965
HIGHEST DAILY MEAN	7,980	Apr 21	10,600	Apr 25	20,000	Jun 18, 1917
LOWEST DAILY MEAN	944	Jul 2	1,630	Aug 19	795	Mar 15, 1948
ANNUAL SEVEN-DAY MINIMUM	1,330	Jun 26	1,710	Aug 8	866	Mar 10, 1948
MAXIMUM PEAK FLOW			11,300	Apr 25	21,900	Apr 30, 1923
MAXIMUM PEAK STAGE			7.84	Apr 25		
10 PERCENT EXCEEDS	3,400		5,530		3,760	
50 PERCENT EXCEEDS	2,120		2,320		2,010	
90 PERCENT EXCEEDS	1,470		1,800		1,580	



01054200 WILD RIVER AT GILEAD, ME

(Hydrologic bench-mark station)

LOCATION.--Lat 44° 23'26", long 70° 58'47", Oxford County, Hydrologic Unit 01040002, on right bank 200 ft upstream from U.S. Route 2 highway bridge, 2,000 ft upstream from mouth, and 0.4 mi west of Gilead.

DRAINAGE AREA.--69.6 mi^2.

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, Nov. 11, 14-15, Dec. 5-23, Dec. 25 to Apr. 4, and period of doubtful gage-height record, Oct. 1 to Nov. 2, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,500 ft^3/s, Oct. 22, 1995, gage height, 14.84 ft; minimum discharge, 6.0 ft^3/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 ft^3/s.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 28	2215	6,760	8.97	Apr 24	1345	*9,860	*10.34
Dec 23	2315	7,300	9.23	Apr 27	2230	6,390	8.72
Apr 3	- - -	3,950[a]	- - -				

Minimum discharge, 15 ft^3/s, Aug. 27-28, gage height, 2.86 ft.

[a] Estimated daily discharge

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	61	686	e167	e44	e50	e800	833	357	165	24	573
2	38	56	643	e189	e44	e48	e773	460	283	97	26	93
3	39	96	320	e170	e43	e44	e3,950	377	234	70	27	54
4	37	87	237	e148	e42	e40	e1,410	295	199	58	25	40
5	36	156	e191	e134	e42	e39	624	246	168	53	24	36
6	33	138	e141	e129	e42	e39	641	224	153	71	33	30
7	34	151	e172	e126	e43	e39	845	234	153	95	24	27
8	35	142	e196	e123	e44	e39	987	325	126	65	21	25
9	35	106	e174	e123	e57	e42	749	284	112	189	20	24
10	35	83	e139	e121	e81	e51	674	269	104	157	19	22
11	32	e79	e136	e121	e76	e46	618	289	106	209	20	20
12	32	76	e122	e121	e64	e47	401	389	98	104	18	19
13	36	70	e114	e176	e52	e46	305	221	87	77	18	18
14	32	e67	e104	e424	e52	e43	312	181	180	64	18	18
15	78	e65	e100	e150	e79	e42	327	262	441	115	34	25
16	497	62	e95	e95	e120	e40	379	364	260	72	28	35
17	198	60	e92	e77	e183	e39	583	244	332	58	22	67
18	119	60	e88	e65	e158	e38	776	200	394	54	19	56
19	91	61	e85	e59	e132	e35	730	176	376	64	17	39
20	77	60	e82	e58	e117	e36	1,360	163	202	83	17	31
21	70	61	e78	e57	e103	e40	1,410	154	148	53	25	27
22	64	64	e94	e56	e98	e43	510	803	139	43	31	23
23	61	63	e617	e60	e84	e45	595	1,610	118	41	21	21
24	60	62	1,830	e56	e73	e41	4,090	1,750	100	36	19	19
25	58	1,030	e342	e51	e63	e39	1,410	929	85	33	19	18
26	56	444	e218	e50	e57	e38	641	2,000	75	33	17	19
27	54	214	e187	e49	e53	e44	1,960	1,400	68	32	15	53
28	51	1,190	e171	e48	e50	e191	2,820	582	69	33	15	35
29	49	1,720	e161	e47	---	e690	865	531	68	28	24	36
30	49	420	e154	e46	---	e810	560	683	88	26	49	103
31	64	---	e149	e45	---	e791	---	516	---	24	180	---
TOTAL	2,190	7,004	7,918	3,341	2,096	3,615	32,105	16,994	5,323	2,302	869	1,606
MEAN	70.6	233	255	108	74.9	117	1,070	548	177	74.3	28.0	53.5
MAX	497	1,720	1,830	424	183	810	4,090	2,000	441	209	180	573
MIN	32	56	78	45	42	35	305	154	68	24	15	18
CFSM	1.02	3.35	3.67	1.55	1.08	1.68	15.4	7.88	2.55	1.07	0.40	0.77
IN.	1.17	3.74	4.23	1.79	1.12	1.93	17.16	9.08	2.85	1.23	0.46	0.86

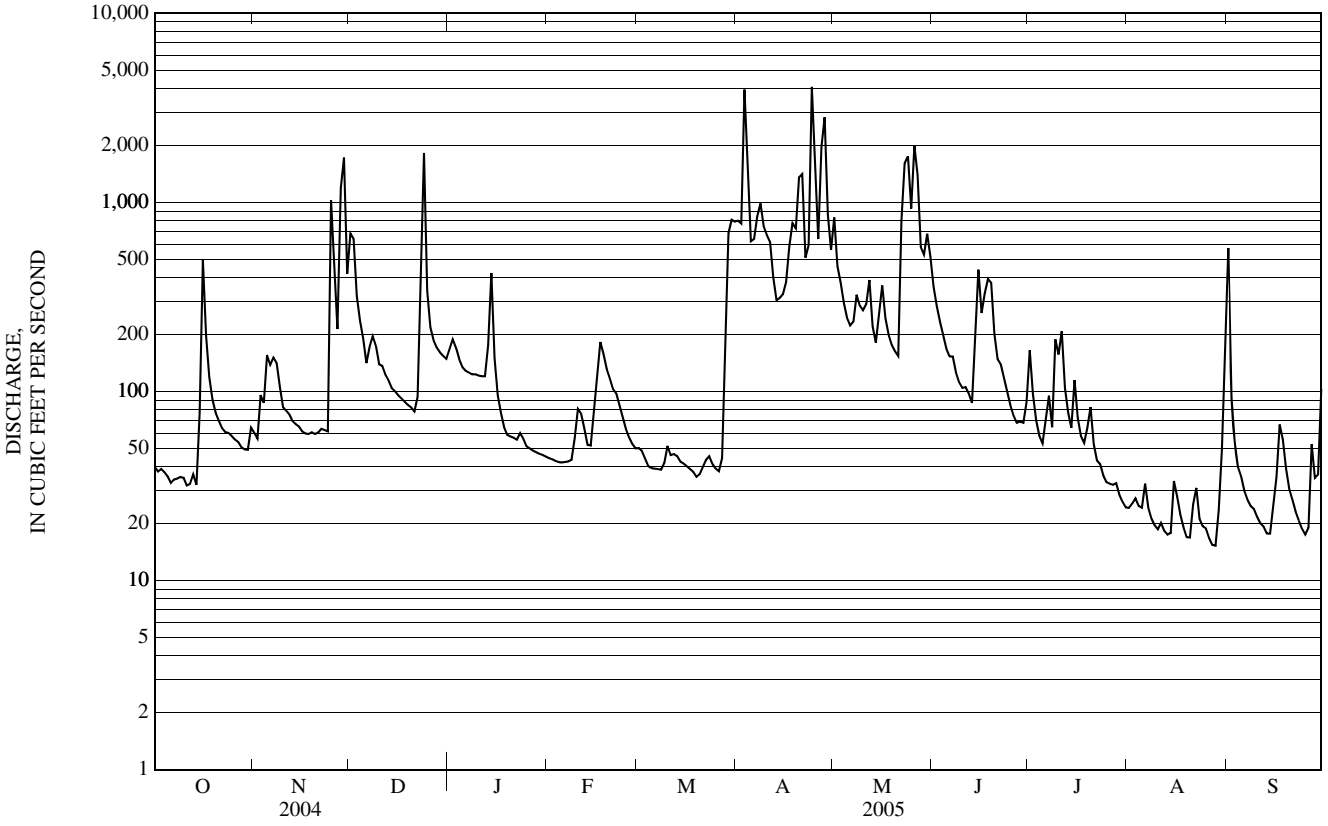
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	146	208	155	112	101	227	529	393	152	73.5	65.8	65.7
MAX	503	587	609	483	579	558	1,070	1,028	785	353	251	438
(WY)	(2004)	(1970)	(2004)	(1986)	(1981)	(1979)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	57,137		85,363			
ANNUAL MEAN	156		234		186	
HIGHEST ANNUAL MEAN					294	1996
LOWEST ANNUAL MEAN					72.9	1965
HIGHEST DAILY MEAN	1,940	Apr 14	4,090	Apr 24	7,510	Jun 14, 1998
LOWEST DAILY MEAN	18	Aug 11	15	Aug 27	6.1	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	20	Aug 5	19	Aug 23	7.1	Sep 5, 2002
MAXIMUM PEAK FLOW			9,860	Apr 24	24,500	Oct 22, 1995
MAXIMUM PEAK STAGE			10.34	Apr 24	14.84	Oct 22, 1995
INSTANTANEOUS LOW FLOW			15	Aug 27	6.0	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	2.24		3.36		2.67	
ANNUAL RUNOFF (INCHES)	30.54		45.63		36.28	
10 PERCENT EXCEEDS	341		631		410	
50 PERCENT EXCEEDS	78		77		76	
90 PERCENT EXCEEDS	35		25		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 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	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)
OCT													
16...	0433	4.17	6.1	19	10.3	5	1.29	.47	.75	1.21	58	.7	3.40
16...	0709	5.06	5.8	18	10.3	5	1.12	.44	.83	1.01	43	.8	2.88
16...	1409	4.23	5.7	17	11.4	5	1.21	.43	.63	.92	32	.7	2.65
JAN													
14...	0830	5.38	6.3	16	.0	--	--	--	--	--	36	.5	--
15...	0550	4.07	5.9	14	.0	--	--	--	--	--	23	.4	--
APR													
01...	1100	4.79	6.3	15	.2	--	--	--	--	--	38	.4	--
03...	0630	6.22	6.0	14	.0	--	--	--	--	--	24	.4	--
03...	0700	8.15	5.9	14	.0	--	--	--	--	--	29	.4	--
03...	0840	9.37	5.6	13	.0	--	--	--	--	--	15	.4	--
03...	0925	9.87	5.6	12	.0	--	--	--	--	--	19	.4	--
03...	1335	8.63	5.4	12	.1	--	--	--	--	--	13	.4	--
03...	1900	7.17	5.4	12	.1	--	--	--	--	--	8	.4	--
07...	1040	4.59	5.8	13	2.7	--	--	--	--	--	17	.5	--
27...	1430	5.13	5.8	13	5.7	--	--	--	--	--	22	.4	--
27...	1655	7.06	5.5	12	5.2	--	--	--	--	--	17	.4	--
27...	1930	8.03	5.4	12	4.6	--	--	--	--	--	16	.3	--
27...	2025	8.41	5.4	11	4.5	--	--	--	--	--	11	.3	--
28...	0120	7.25	5.3	12	4.2	--	--	--	--	--	11	.3	--
28...	1250	6.28	5.3	12	4.5	--	--	--	--	--	14	.4	--
JUN													
07...	1305	3.63	5.9	14	16.1	--	--	--	--	--	31	.4	--
13...	1400	3.38	6.0	15	20.2	--	--	--	--	--	43	.4	--
JUL													
01...	0320	3.86	--	--	19.5	--	--	--	--	--	--	--	--
15...	1045	3.63	--	--	19.8	--	--	--	--	--	--	--	--
AUG													
31...	2000	4.35	--	--	19.6	--	--	--	--	--	--	--	--
SEP													
01...	0120	5.99	--	--	18.3	--	--	--	--	--	--	--	--

WATER-QUALITY RECORDS—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Sulfate water, fltrd, mg/L (00945)	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						
16...	3.2	<.028	<.03	4.8	130	<40
16...	3.1	<.028	<.03	6.9	214	45
16...	3.0	<.028	<.03	8.0	255	62
JAN						
14...	3.1	<.028	<.03	1.8	--	<40
15...	2.9	<.028	<.03	3.3	--	<40
APR						
01...	3.1	<.028	<.03	2.1	--	<40
03...	2.7	<.028	<.03	2.9	--	<40
03...	2.5	<.028	.04	3.1	--	<40
03...	2.2	<.028	.05	3.8	--	47
03...	2.1	<.028	.05	4.2	--	57
03...	2.2	<.028	.06	4.6	--	65
03...	2.3	<.028	.05	4.2	--	57
07...	2.8	<.028	<.03	2.6	--	<40
27...	2.6	<.028	<.03	4.5	--	<40
27...	2.3	<.028	<.03	4.7	--	52
27...	2.1	<.028	<.03	5.1	--	64
27...	2.1	<.028	<.03	5.3	--	62
28...	2.2	<.028	<.03	4.9	--	61
28...	2.3	<.028	<.03	4.7	--	51
JUN						
07...	2.9	<.028	<.03	2.6	--	<40
13...	2.9	<.028	<.03	2.6	--	<40
JUL						
01...	--	.312	--	4.5	--	--
15...	--	.178	--	3.6	--	--
AUG						
31...	--	.111	--	7.1	--	--
SEP						
01...	--	.049	--	9.3	--	--

01054300 ELLIS RIVER AT SOUTH ANDOVER, ME

LOCATION.--Lat 44° 35'36", long 70° 43'59", Oxford County, Hydrologic Unit 01040002, on left bank 100 ft upstream from covered bridge at South Andover.
DRAINAGE AREA.--130 mi^2.
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. 15-23, Dec. 25 to Apr. 3, and period of doubtful gage height record, Aug. 24 to Sept. 30, which are fair. Satellite telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,830 ft^3/s, Dec. 18, 2003, gage height, 19.26 ft; minimum discharge, 8.4 ft^3/s, Sept. 11, 2002.
REVISIONS.--The maximum discharges for water years 1967-69, 1971, 1973-74, 1976-82, and peak dishcarges greater than base discharge for water years 1970, 1974, and 1979 have been revised, as shown in the following table. These values supersede those published in the report of those years.

Water Year	Date	Discharge (ft^3/s)	Gage height (ft)	Water Year	Date	Discharge (ft^3/s)	Gage height (ft)
1967	Nov. 3, 1966	5,460	17.88	1976	Apr. 2, 1976	6,580	unknown
1968	Apr. 25, 1968	5,930	18.22	1977	Mar. 15, 1977	3,030	15.59
1969	July 30, 1969	7,580	19.14	1978	Oct. 10, 1977	3,050	15.61
1970	Nov. 6, 1969	4,050	16.70	1979	Mar. 25, 1979	4,320	16.95
1970	Dec. 29, 1969	7,760	19.23	1979	Apr. 28, 1979	4,980	17.51
1971	May 4, 1971	4,110	16.76	1980	Apr. 10, 1980	4,320	16.95
1973	July 1, 1973	5,100	17.61	1981	Sept. 24, 1981	3,900	16.55
1974	Dec. 15, 1973	4,150	16.79	1982	Apr. 27, 1982	4,020	16.67
1974	Dec. 22, 1973	5,430	17.86				

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	0815	3,470	16.11	Apr 24	2115	4,920	17.46
Dec 24	1015	2,810	15.31	Apr 28	2030	3,070	15.64
Apr 3	1900	*5,180	*17.67	May 27	1000	2,240	14.30
Apr 8	0515	2,010	13.80				

Minimum discharge, 24 ft'/s, Aug. 20, gage height, 4.43 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	80	810	e580	e86	e72	e445	1,190	744	143	47	e826
2	49	75	1,230	e564	e84	e75	e460	987	595	129	45	e441
3	48	105	774	e506	e83	e73	e2,340	815	495	109	46	e242
4	55	118	583	e448	e83	e70	3,350	700	418	94	44	e159
5	54	176	480	e398	e81	e69	1,950	606	354	87	41	e116
6	51	253	374	e325	e78	e68	1,510	535	369	311	40	e90
7	49	224	350	e320	e76	e69	1,690	491	323	268	37	e74
8	48	204	330	e286	e77	e72	1,900	502	265	165	35	e63
9	47	167	308	e263	e82	e80	1,730	467	228	244	32	e55
10	46	136	273	e237	e97	e88	1,400	429	201	408	31	e49
11	45	122	282	e212	e113	e86	1,310	408	192	440	29	e44
12	44	113	249	e196	e109	e84	1,000	400	243	304	30	e41
13	46	100	230	e193	e95	e84	796	346	181	204	29	e38
14	45	93	213	e212	e82	e84	745	300	310	159	28	e36
15	48	90	e197	e324	e85	e82	719	317	1,420	144	32	e37
16	267	87	e190	e268	e94	e80	714	452	1,050	111	33	e49
17	294	86	e185	e243	e106	e77	812	420	963	94	30	e70
18	196	84	e178	e191	e108	e75	998	357	1,070	129	27	e84
19	149	86	e170	e166	e97	e73	924	315	916	153	26	e73
20	123	85	e165	e169	e88	e72	1,090	282	623	117	25	e60
21	107	84	e160	e152	e81	e76	1,400	255	481	91	61	e53
22	97	88	e156	e137	e84	e80	914	448	391	78	119	e46
23	89	92	e151	e126	e83	e86	763	735	318	72	55	e42
24	83	88	2,120	e123	e77	e82	1,870	1,630	261	65	e43	e38
25	79	391	e1,420	e119	e75	e76	2,850	902	220	59	e41	e35
26	76	559	e1,110	e113	e74	e72	1,710	1,080	146	56	e36	e35
27	73	336	e937	e110	e72	e67	1,210	1,960	121	56	e34	e50
28	70	297	e821	e101	e71	e75	2,790	1,140	110	92	e32	e56
29	68	2,320	e721	e97	---	e160	2,150	805	108	74	e38	e48
30	66	1,150	e640	e96	---	e326	1,320	723	185	59	e51	e113
31	75	---	e593	e91	---	e384	---	935	---	51	e130	---
TOTAL	2,638	7,889	16,400	7,366	2,421	3,017	42,860	20,932	13,301	4,566	1,327	3,163
MEAN	85.1	263	529	238	86.5	97.3	1,429	675	443	147	42.8	105
MAX	294	2,320	2,120	580	113	384	3,350	1,960	1,420	440	130	826
MIN	44	75	151	91	71	67	445	255	108	51	25	35
CFSM	0.65	2.02	4.07	1.83	0.67	0.75	11.0	5.19	3.41	1.13	0.33	0.81
IN.	0.75	2.26	4.69	2.11	0.69	0.86	12.26	5.99	3.81	1.31	0.38	0.91

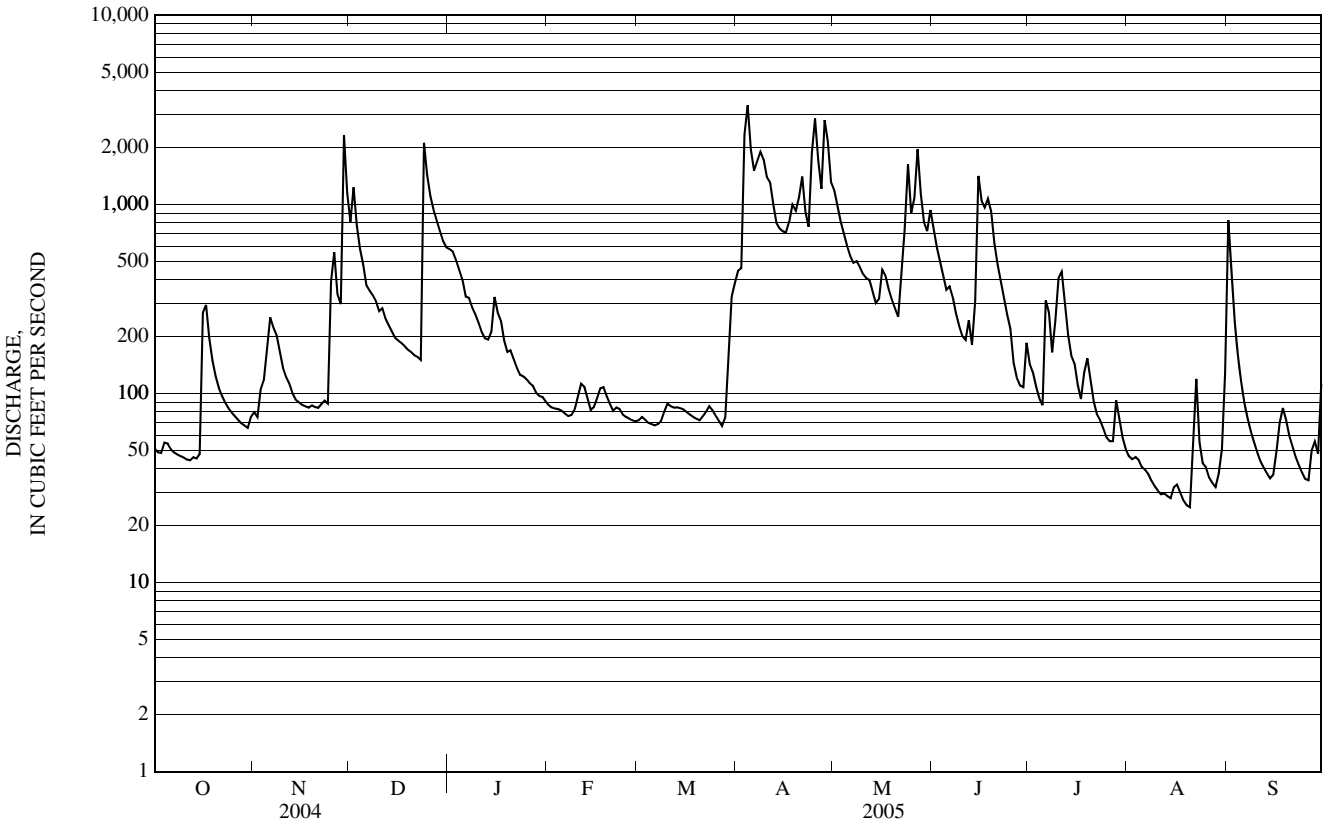
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2005, BY WATER YEAR (WY)

MEAN	163	246	284	132	137	229	776	546	215	110	77.7	74.8
MAX	653	703	1,455	464	620	579	1,429	1,190	443	467	279	283
(WY)	(1978)	(1970)	(2004)	(1978)	(1981)	(1979)	(2005)	(1969)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1963 - 2005	
ANNUAL TOTAL	83,428		125,880			
ANNUAL MEAN	228		345		252	
HIGHEST ANNUAL MEAN					370	2004
LOWEST ANNUAL MEAN					132	1965
HIGHEST DAILY MEAN	2,320	Nov 29	3,350	Apr 4	5,420	Dec 18, 2003
LOWEST DAILY MEAN	38	Jul 5	25	Aug 20	8.8	Sep 11, 2002
ANNUAL SEVEN-DAY MINIMUM	44	Jul 2	29	Aug 14	9.3	Sep 8, 2002
MAXIMUM PEAK FLOW			5,180	Apr 3	7,830	Dec 18, 2003
MAXIMUM PEAK STAGE			17.67	Apr 3	19.26	Dec 18, 2003
INSTANTANEOUS LOW FLOW			24	Aug 20	8.4	Sep 11, 2002
ANNUAL RUNOFF (CFSM)	1.75		2.65		1.94	
ANNUAL RUNOFF (INCHES)	23.87		36.02		26.39	
10 PERCENT EXCEEDS	551		947		602	
50 PERCENT EXCEEDS	112		122		115	
90 PERCENT EXCEEDS	56		46		33	



01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME

LOCATION.--Lat 44° 33'07", long 70° 32'39", Oxford County, Hydrologic Unit 01040002, on right bank below lower power plant of NewPage Corp. in Rumford, and 1,000 ft upstream from Swift River.

DRAINAGE AREA.--2,068 mi^2.

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 ft^3, 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 ft^3/s, Mar. 20, 1936, gage height unknown; minimum daily discharge, 625 ft^3/s, Mar. 27, 1911.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33,500 ft^3/s, Apr. 4, gage height, 14.16 ft; minimum daily discharge, 1,760 ft^3/s, Aug. 20.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

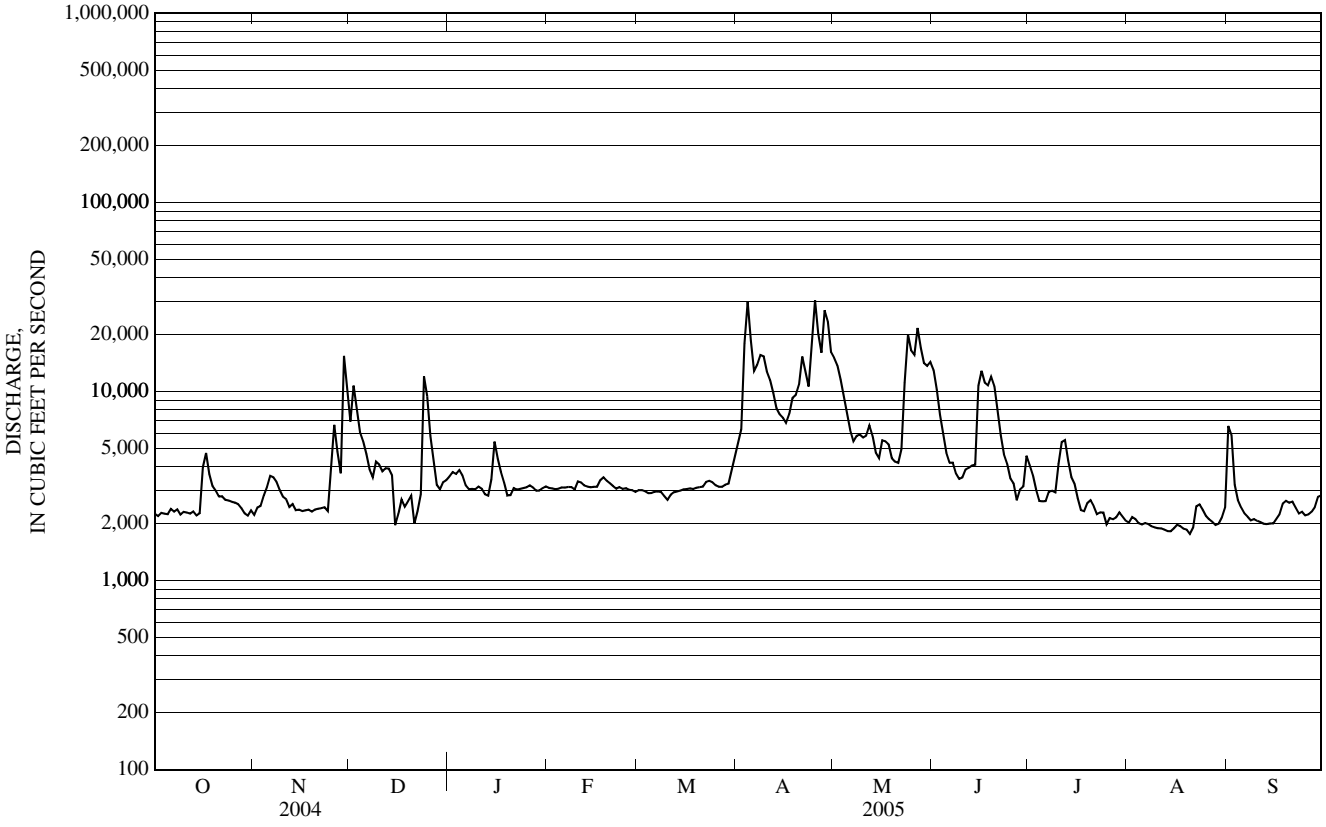
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,260	2,220	6,930	3,560	3,090	3,010	5,390	15,000	13,000	4,080	2,030	6,570
2	2,200	2,430	10,700	3,750	3,080	3,010	6,320	13,700	10,200	3,610	2,170	5,890
3	2,280	2,480	8,140	3,660	3,050	2,970	18,000	11,600	7,530	3,020	2,110	3,220
4	2,260	2,820	6,100	3,840	3,060	2,900	29,900	9,540	5,910	2,640	2,010	2,670
5	2,250	3,120	5,450	3,590	3,110	2,900	18,600	7,750	4,740	2,620	1,980	2,440
6	2,400	3,580	4,680	3,190	3,100	2,950	12,800	6,250	4,200	2,640	2,010	2,270
7	2,320	3,510	3,870	3,040	3,130	2,960	13,900	5,460	4,210	2,950	1,990	2,180
8	2,380	3,320	3,530	3,050	3,120	2,940	15,600	5,830	3,690	2,990	1,940	2,080
9	2,230	3,010	4,260	3,040	3,030	2,800	15,300	5,910	3,450	2,930	1,910	2,120
10	2,310	2,780	4,110	3,140	3,340	2,680	12,800	5,720	3,510	4,150	1,890	2,070
11	2,290	2,690	3,790	3,060	3,300	2,840	11,500	5,850	3,870	5,410	1,890	2,040
12	2,260	2,450	3,930	2,860	3,180	2,930	9,850	6,610	3,950	5,540	1,860	2,000
13	2,320	2,540	3,920	2,810	3,140	2,950	8,160	5,820	4,070	4,320	1,830	1,990
14	2,210	2,360	3,610	3,430	3,110	2,990	7,580	4,740	4,100	3,530	1,820	2,000
15	2,270	2,370	1,960	5,430	3,130	3,040	7,270	4,440	10,700	3,250	1,890	2,010
16	3,980	2,330	2,250	4,410	3,130	3,050	6,810	5,520	12,900	2,730	1,970	2,120
17	4,730	2,350	2,690	3,760	3,400	3,080	7,610	5,450	11,100	2,360	1,940	2,250
18	3,670	2,370	2,460	3,300	3,520	3,050	9,240	5,250	10,800	2,330	1,880	2,560
19	3,160	2,320	2,630	2,820	3,370	3,100	9,590	4,440	12,000	2,570	1,860	2,640
20	2,990	2,380	2,820	2,830	3,270	3,120	10,900	4,260	10,700	2,660	1,760	2,580
21	2,780	2,400	2,010	3,080	3,160	3,140	15,300	4,190	8,050	2,480	1,900	2,610
22	2,790	2,410	2,330	3,030	3,060	3,320	12,700	4,950	5,860	2,240	2,470	2,430
23	2,680	2,440	2,860	3,060	3,120	3,370	10,600	11,100	4,650	2,300	2,530	2,260
24	2,650	2,330	12,000	3,090	3,060	3,310	17,700	20,000	4,140	2,290	2,370	2,310
25	2,610	4,190	9,450	3,120	3,080	3,190	30,500	16,500	3,470	1,980	2,200	2,210
26	2,590	6,660	5,810	3,190	3,020	3,140	20,200	15,700	3,270	2,140	2,110	2,240
27	2,540	4,800	4,320	3,110	3,010	3,140	16,100	21,700	2,660	2,110	2,050	2,310
28	2,410	3,690	3,210	2,990	2,940	3,210	26,900	17,000	3,040	2,160	1,970	2,450
29	2,270	15,400	3,040	2,990	---	3,260	23,500	14,100	3,150	2,300	2,000	2,770
30	2,210	10,100	3,320	3,080	---	3,840	16,200	13,600	4,580	2,180	2,150	2,820
31	2,350	---	3,400	3,150	---	4,550	---	14,300	---	2,070	2,430	---
TOTAL	80,650	107,850	139,580	102,460	88,110	96,740	426,820	292,280	187,500	90,580	62,920	78,110
MEAN	2,602	3,595	4,503	3,305	3,147	3,121	14,230	9,428	6,250	2,922	2,030	2,604
MAX	4,730	15,400	12,000	5,430	3,520	4,550	30,500	21,700	13,000	5,540	2,530	6,570
MIN	2,200	2,220	1,960	2,810	2,940	2,680	5,390	4,190	2,660	1,980	1,760	1,990

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 2005, BY WATER YEAR (WY)

MEAN	2,843	3,421	3,110	2,772	2,697	3,974	8,199	7,268	3,981	2,615	2,322	2,405
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1900 - 2005	
ANNUAL TOTAL	1,371,820		1,753,600			
ANNUAL MEAN	3,748		4,804		3,801	
HIGHEST ANNUAL MEAN					6,696	1996
LOWEST ANNUAL MEAN					2,001	1911
HIGHEST DAILY MEAN	15,400	Nov 29	30,500	Apr 25	68,300	Mar 19, 1936
LOWEST DAILY MEAN	1,560	Aug 7	1,760	Aug 20	625	Mar 27, 1911
ANNUAL SEVEN-DAY MINIMUM	1,710	Jun 24	1,870	Aug 9	645	Mar 21, 1911
MAXIMUM PEAK FLOW			33,500	Apr 4	74,000	Mar 20, 1936
MAXIMUM PEAK STAGE			14.16	Apr 4		
10 PERCENT EXCEEDS	6,140		11,000		7,230	
50 PERCENT EXCEEDS	3,240		3,090		2,630	
90 PERCENT EXCEEDS	1,940		2,120		1,780	



01055000 SWIFT RIVER NEAR ROXBURY, ME

LOCATION.--Lat 44° 38'34", long 70° 35'20", 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 mi^2.

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. 15-23 and Dec. 25 to Apr. 3, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft^3/s, Oct. 24, 1959, gage height, 12.87 ft; minimum discharge, 2.7 ft^3/s, Sept. 10-11, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	0215	6,640	8.40	Apr 28	0245	3,280	6.15
Dec 24	0030	6,790	8.48	May 23	2115	3,230	6.11
Apr 3	1500	7,070	8.55	May 26	2045	4,480	7.02
Apr 24	1815	*8,820	*9.41	Sept 1	0200	4,990	7.35

Minimum discharge, 14 ft^3/s, Aug. 20, gage height, 1.02 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	75	698	e205	e60	e55	e308	1,060	427	76	27	1,740
2	39	68	814	e173	e59	e55	e314	677	312	74	28	290
3	42	134	403	e158	e59	e54	e3,640	522	247	59	66	137
4	41	110	282	e139	e58	e51	2,240	400	204	51	43	97
5	38	187	233	e122	e59	e51	1,140	325	171	55	31	84
6	37	176	154	e114	e59	e51	971	287	169	217	30	63
7	37	204	185	e109	e60	e51	1,340	297	166	139	26	52
8	37	164	201	e106	e64	e51	1,450	416	133	78	22	45
9	36	122	181	e105	e93	e48	1,160	327	117	143	20	40
10	36	90	159	e104	e121	e51	1,000	299	105	218	18	36
11	35	91	162	e101	e96	e50	908	309	107	256	19	33
12	43	83	151	e100	e82	e49	637	340	106	117	21	31
13	48	69	137	e112	e73	e49	466	230	124	78	20	28
14	42	74	127	e345	e65	e49	456	189	458	65	19	27
15	42	75	e118	e701	e67	e50	460	257	1,180	57	24	34
16	480	71	e112	e440	e76	e50	564	393	678	49	24	59
17	251	69	e107	e280	e161	e50	853	299	894	43	20	109
18	148	70	e101	e162	e113	e50	1,050	235	830	72	17	103
19	103	78	e97	e134	e85	e50	984	200	542	75	15	82
20	85	82	e93	e131	e74	e53	1,410	178	300	64	15	57
21	75	76	e89	e117	e68	e59	1,460	168	212	47	255	53
22	70	78	e92	e104	e67	e67	709	637	172	39	134	43
23	67	80	e414	e90	e65	e74	640	1,500	140	36	57	37
24	64	75	2,680	e82	e61	e70	3,210	1,720	119	31	41	33
25	62	690	e513	e76	e59	e73	2,340	735	100	29	41	31
26	60	528	e270	e72	e58	e75	1,140	1,830	83	30	33	32
27	58	229	e211	e68	e57	e82	1,020	1,820	74	37	25	97
28	56	405	e158	e65	e55	e106	2,760	782	70	120	23	64
29	54	2,480	e149	e63	---	e388	1,400	533	71	52	61	70
30	54	597	e142	e63	---	e461	828	582	84	37	81	193
31	74	---	e141	e61	---	e358	---	698	---	30	709	---
TOTAL	2,355	7,330	9,374	4,702	2,074	2,831	36,858	18,245	8,395	2,474	1,965	3,800
MEAN	76.0	244	302	152	74.1	91.3	1,229	589	280	79.8	63.4	127
MAX	480	2,480	2,680	701	161	461	3,640	1,830	1,180	256	709	1,740
MIN	35	68	89	61	55	48	308	168	70	29	15	27
CFSM	0.78	2.52	3.12	1.57	0.76	0.94	12.7	6.07	2.89	0.82	0.65	1.31
IN.	0.90	2.81	3.60	1.81	0.80	1.09	14.15	7.00	3.22	0.95	0.75	1.46

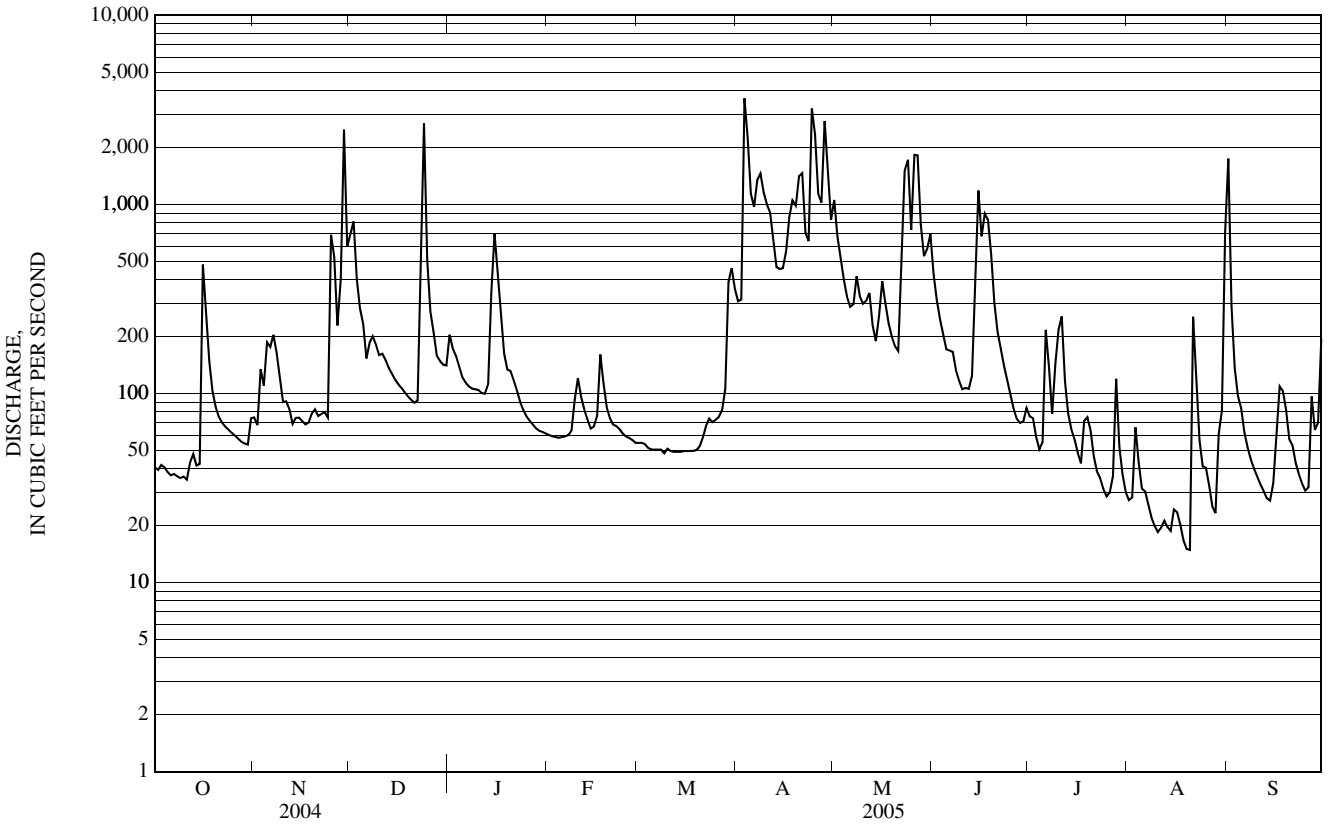
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	146	210	160	110	91.5	201	629	480	178	85.6	61.1	74.8
MAX	545	644	758	676	463	1,315	1,229	1,032	792	483	277	497
(WY)	(1978)	(1964)	(1974)	(1996)	(1970)	(1936)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	66,635		100,403			
ANNUAL MEAN	182		275		202	
HIGHEST ANNUAL MEAN					366	1996
LOWEST ANNUAL MEAN					103	1941
HIGHEST DAILY MEAN	2,680	Dec 24	3,640	Apr 3	9,120	Apr 1, 1987
LOWEST DAILY MEAN	26	Jul 1	15	Aug 19	2.9	Sep 10, 2002
ANNUAL SEVEN-DAY MINIMUM	31	Jun 25	19	Aug 14	3.4	Sep 7, 2002
MAXIMUM PEAK FLOW			8,820	Apr 24	16,800	Oct 24, 1959
MAXIMUM PEAK STAGE			9.41	Apr 24	12.87	Oct 24, 1959
INSTANTANEOUS LOW FLOW			14	Aug 20	2.7	Sep 10, 2002
ANNUAL RUNOFF (CFSM)	1.88		2.84		2.09	
ANNUAL RUNOFF (INCHES)	25.58		38.54		28.39	
10 PERCENT EXCEEDS	406		709		492	
50 PERCENT EXCEEDS	88		91		83	
90 PERCENT EXCEEDS	43		36		22	



01055100 ANDROSCOGGIN RIVER AT JAY, ME

LOCATION.--Lat 44° 30'09", long 70° 13'28", Androscoggin County, Hydrologic Unit 01040002, on right bank 800 ft above Jay Dam, and 1.5 mi below end of Bean Island at mouth of Sevenmile Stream.

DRAINAGE AREA.--2,488 mi^2.

PERIOD OF RECORD.--October 1993 to current year.

PERIOD OF DAILY RECORD.--October 1993 to current year.
SPECIFIC CONDUCTANCE: October 1993 to September 2000. Seasonal records (June to September) water years 2001 to current year.
pH: June 2005 to September 2005.
WATER TEMPERATURE: October 1993 to September 2000. Seasonal records (June to September) water years 2001 to current year.
DISSOLVED OXYGEN: October 1993 to September 2000. Seasonal records (June to September) water years 2001 to current year.

INSTRUMENTATION.--Water quality monitor since October 1993. In-situ monitor located 50 ft streamward from right bank, 1.5 ft above river bed, and 2,000 ft below International Paper's diffuser pipe.

REMARKS.--Monitor not operated during period October to May. Records good, except for the periods July 15-19, Aug. 3-12 and Aug. 29-Sept. 5, which are fair, and Aug. 13-18, Sept. 6-21, which are poor, for dissolved oxygen. Interruptions in the record were due to malfunctions of the monitor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 335 microsiemens/cm, Sept. 11, 1995; minimum, 25 microsiemens/cm, Apr. 24-25, 1996.
pH: Maximum, 7.5 standard units, Aug. 9, 11-14, 17-20, 2005; minimum, 6.5 standard units, Sept. 1, 2005.
WATER TEMPERATURE: Maximum, 28.0° C, Aug. 17, 2002; minimum, 0.0° C, on many days during winter periods.
DISSOLVED OXYGEN: Maximum, 16.1 mg/L, Jan. 29, 1996; minimum, 3.8 mg/L, July 9, 1995.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 168 microsiemens/cm, Aug. 7; minimum, 29 microsiemens/cm, June 19, 20.
pH: Maximum, 7.5 standard units, on several days; minimum, 6.5 standard units, Sept. 1.
WATER TEMPERATURE: Maximum, 27.6° C, July 20; minimum, 11.8° C, June 1.
DISSOLVED OXYGEN: Maximum, 11.4 mg/L, May 31, June 1; minimum, 6.9 mg/L, July 20.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	35	33	34	70	63	66	145	126	136	102	53	80
2	40	35	38	72	66	68	143	122	133	62	56	58
3	44	40	42	79	70	72	153	120	137	79	59	68
4	52	44	48	89	77	83	149	130	139	86	76	81
5	58	51	55	97	86	90	152	125	141	109	86	95
6	62	57	60	98	90	94	150	130	137	126	93	110
7	67	60	63	95	82	87	168	134	151	146	109	123
8	69	66	67	89	78	83	166	136	150	142	121	131
9	76	67	71	92	85	89	167	136	154	142	129	136
10	96	73	80	86	76	82	167	129	150	141	125	133
11	---	---	---	77	71	73	162	130	143	141	127	136
12	---	---	---	71	63	66	145	125	136	150	125	136
13	---	---	---	68	61	64	158	138	146	155	132	146
14	77	67	72	77	68	71	153	142	147	143	129	136
15	75	36	56	83	77	79	154	136	147	143	127	136
16	36	30	33	87	80	84	151	137	144	146	132	139
17	33	30	31	103	87	98	145	134	140	159	142	149
18	31	30	31	114	100	109	142	128	134	146	125	134
19	31	29	30	117	107	112	141	124	135	131	107	121
20	31	29	30	121	98	112	155	136	145	120	102	110
21	36	31	34	121	94	109	154	131	146	113	95	104
22	45	36	40	130	108	119	162	136	151	116	98	105
23	52	45	48	132	106	120	136	104	114	114	97	105
24	61	52	57	135	113	125	149	114	126	128	107	116
25	69	60	64	148	122	134	142	103	126	134	117	123
26	77	69	71	149	135	142	129	103	117	127	114	120
27	86	74	77	151	132	140	138	105	126	115	108	112
28	85	75	81	160	132	148	132	123	127	117	108	112
29	84	76	80	151	119	136	131	119	126	111	96	104
30	78	70	74	145	119	131	129	118	123	100	88	94
31	---	---	---	148	125	136	123	101	114	---	---	---
MONTH	96	29	54	160	61	101	168	101	137	159	53	115
PERIOD	168	29	103									

01055100 ANDROSCOGGIN RIVER AT JAY, ME—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	6.7	6.6	6.7	6.9	6.8	6.9	7.4	7.1	7.2	6.9	6.5	6.8
2	6.7	6.6	6.7	6.9	6.8	6.8	7.4	7.1	7.2	6.7	6.6	6.6
3	6.7	6.6	6.7	7.0	6.8	6.9	7.4	7.2	7.3	6.8	6.6	6.7
4	6.7	6.7	6.7	7.1	6.8	7.0	7.4	7.1	7.3	6.8	6.7	6.8
5	6.7	6.7	6.7	7.1	7.0	7.0	7.4	7.2	7.3	6.9	6.8	6.8
6	6.7	6.7	6.7	7.1	6.9	7.0	7.3	7.1	7.2	6.9	6.8	6.9
7	6.8	6.7	6.8	6.9	6.9	6.9	7.4	7.2	7.3	7.0	6.8	6.9
8	6.8	6.8	6.8	7.0	6.9	7.0	7.4	7.2	7.3	7.0	6.9	6.9
9	6.8	6.8	6.8	7.0	6.9	7.0	7.5	7.2	7.3	7.0	6.9	7.0
10	7.0	6.8	6.9	6.9	6.9	6.9	7.4	7.2	7.3	7.0	6.9	6.9
11	---	---	---	7.0	6.8	6.9	7.5	7.2	7.3	7.1	7.0	7.0
12	---	---	---	6.9	6.8	6.8	7.5	7.2	7.3	7.1	7.0	7.1
13	---	---	---	6.8	6.7	6.7	7.5	7.2	7.3	7.2	7.0	7.1
14	7.1	7.0	7.0	6.9	6.7	6.9	7.5	7.2	7.3	7.1	7.0	7.1
15	7.0	6.8	6.9	7.0	6.8	6.9	7.3	7.1	7.2	7.1	7.0	7.1
16	6.8	6.8	6.8	7.0	6.8	6.9	7.4	7.1	7.2	7.1	7.0	7.1
17	6.9	6.8	6.8	7.0	6.8	6.9	7.5	7.2	7.3	7.1	7.0	7.1
18	6.9	6.8	6.8	7.0	6.8	6.9	7.5	7.2	7.3	7.1	7.0	7.1
19	6.9	6.8	6.8	7.0	6.9	6.9	7.5	7.2	7.3	7.2	7.0	7.1
20	6.9	6.8	6.9	7.1	6.9	7.0	7.5	7.2	7.3	7.2	7.0	7.1
21	6.9	6.8	6.8	7.1	6.9	7.0	7.3	7.0	7.1	7.2	7.0	7.1
22	6.9	6.8	6.8	7.2	6.9	7.1	7.3	7.1	7.2	7.3	7.1	7.2
23	6.9	6.8	6.9	7.2	7.0	7.1	7.2	7.0	7.1	7.2	7.0	7.1
24	6.9	6.8	6.8	7.3	7.0	7.2	7.2	7.1	7.2	7.2	7.0	7.1
25	6.9	6.8	6.8	7.3	7.1	7.2	7.2	7.1	7.2	7.3	7.1	7.2
26	6.9	6.8	6.9	7.2	7.0	7.1	7.2	7.1	7.2	7.2	7.1	7.2
27	7.0	6.9	6.9	7.3	7.0	7.1	7.2	7.1	7.2	7.2	7.1	7.2
28	7.0	6.9	6.9	7.2	7.0	7.1	7.2	7.1	7.1	7.3	7.1	7.2
29	7.0	6.9	7.0	7.3	7.0	7.2	7.1	7.0	7.0	7.2	7.1	7.1
30	7.0	6.9	7.0	7.4	7.0	7.2	7.0	6.9	7.0	7.1	7.0	7.1
31	---	---	---	7.4	7.1	7.2	7.0	6.9	7.0	---	---	---
MONTH	7.1	6.6	6.8	7.4	6.7	7.0	7.5	6.9	7.2	7.3	6.5	7.0
PERIOD	7.5	6.5	7.0									

01055100 ANDROSCOGGIN RIVER AT JAY, ME—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	13.7	11.8	12.5	23.6	21.8	22.7	24.8	23.4	24.1	21.8	20.6	21.3
2	15.6	13.2	14.2	22.7	21.8	22.2	24.6	23.7	24.1	21.1	20.3	20.7
3	17.3	14.9	15.9	22.6	22.0	22.4	25.1	24.1	24.6	21.1	20.7	20.9
4	18.1	16.6	17.3	24.2	21.9	23.1	25.0	23.6	24.3	21.6	20.6	21.2
5	19.1	17.5	18.1	24.7	22.8	23.7	25.0	24.0	24.5	21.5	20.4	20.9
6	19.1	17.2	17.9	24.2	22.5	23.6	25.0	24.2	24.6	21.7	20.1	20.9
7	18.6	16.8	17.6	22.5	22.0	22.2	25.2	24.0	24.6	21.9	20.1	21.0
8	19.1	18.0	18.5	22.7	21.7	22.2	25.4	24.2	24.8	22.2	20.6	21.4
9	21.0	19.1	19.9	21.9	20.6	21.6	26.0	24.9	25.4	22.1	21.4	21.7
10	21.8	21.0	21.3	21.2	20.6	20.9	26.6	25.8	26.1	21.8	21.0	21.3
11	---	---	---	22.3	21.2	21.5	26.8	26.3	26.5	21.0	19.9	20.4
12	---	---	---	23.0	22.2	22.6	26.6	26.0	26.3	20.6	19.4	20.1
13	---	---	---	23.4	22.6	23.0	26.0	25.6	25.8	20.9	20.3	20.6
14	22.9	20.6	22.1	23.8	23.4	23.6	25.9	25.2	25.5	21.2	20.7	20.9
15	20.6	15.8	18.1	24.9	23.5	24.3	25.2	24.6	24.9	21.4	20.9	21.1
16	15.8	15.0	15.4	26.0	24.3	25.2	25.1	24.3	24.6	21.6	21.4	21.5
17	15.0	14.6	14.8	26.7	24.7	25.7	24.9	24.3	24.5	21.5	20.6	21.1
18	14.6	14.2	14.3	27.1	25.5	26.2	24.6	23.7	24.0	20.6	19.8	20.1
19	15.6	14.1	14.7	27.5	25.5	26.5	23.7	22.9	23.1	20.0	19.2	19.6
20	17.4	15.0	16.0	27.6	26.2	27.0	23.1	22.3	22.6	19.8	19.2	19.5
21	19.1	16.5	17.5	27.2	26.0	26.7	22.4	22.1	22.3	19.7	18.5	19.1
22	20.0	18.4	19.1	27.5	25.7	26.6	22.8	21.7	22.2	20.2	19.0	19.5
23	20.4	19.0	19.7	26.9	25.6	26.2	22.8	21.8	22.4	20.0	19.0	19.5
24	20.4	19.5	19.9	26.3	24.8	25.5	23.0	21.8	22.4	19.8	18.7	19.2
25	21.4	20.1	20.7	25.4	23.9	24.6	22.8	21.7	22.2	18.9	17.8	18.2
26	23.5	21.4	22.6	25.0	23.8	24.4	22.8	21.5	22.2	18.2	17.0	17.4
27	24.8	23.5	24.3	25.6	24.7	25.1	23.0	21.6	22.3	17.5	16.9	17.2
28	25.6	24.1	24.7	25.5	24.4	25.0	23.0	21.9	22.2	17.5	16.7	17.2
29	26.2	24.6	25.4	25.3	23.9	24.6	22.5	21.8	22.1	17.1	16.3	16.7
30	24.8	23.5	24.2	25.4	23.9	24.7	22.4	22.0	22.2	16.4	15.2	15.7
31	---	---	---	25.1	23.8	24.4	22.3	21.7	22.0	---	---	---
MONTH	26.2	11.8	18.8	27.6	20.6	24.1	26.8	21.5	23.9	22.2	15.2	19.9
PERIOD	27.6	11.8	21.8									

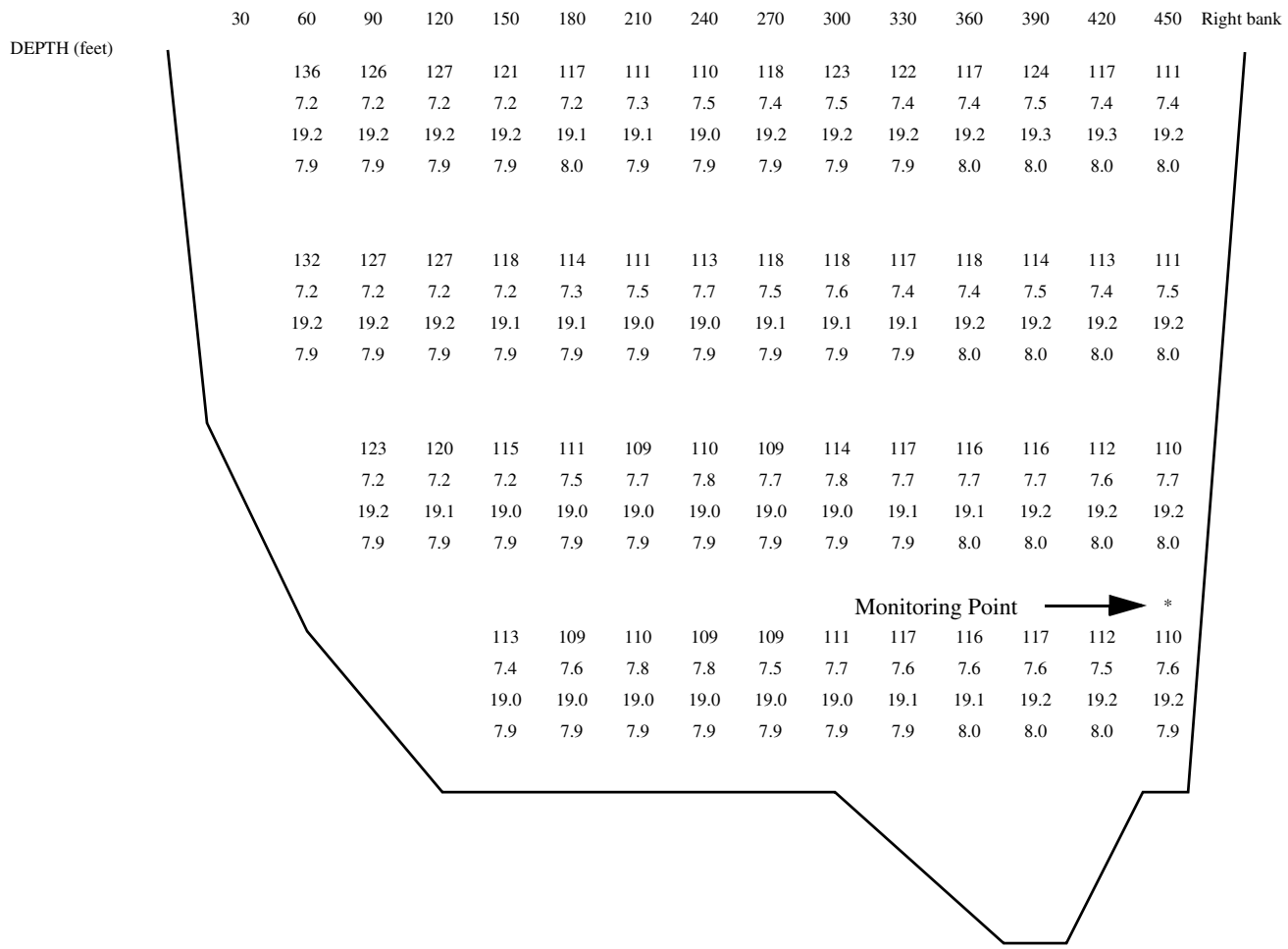
01055100 ANDROSCOGGIN RIVER AT JAY, ME—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11.4	11.1	11.3	8.5	8.2	8.4	8.7	7.8	8.2	8.8	7.7	8.1
2	11.1	10.5	10.8	8.7	8.4	8.5	8.7	7.7	8.2	9.1	8.8	8.9
3	10.5	9.8	10.1	9.0	8.5	8.8	8.6	7.8	8.2	9.1	8.3	8.7
4	9.8	9.4	9.6	9.2	8.5	8.8	8.8	7.7	8.2	8.6	8.3	8.5
5	9.4	9.0	9.1	9.2	8.3	8.8	8.6	7.7	8.1	8.6	8.2	8.4
6	9.0	8.8	8.9	8.7	8.0	8.4	8.5	7.6	8.0	8.7	8.2	8.5
7	9.1	9.0	9.0	8.7	7.9	8.4	8.8	7.8	8.2	8.7	8.2	8.4
8	9.0	8.9	9.0	9.3	8.5	8.9	8.9	7.8	8.3	8.4	8.0	8.1
9	8.9	8.6	8.7	9.1	8.4	8.8	8.8	7.8	8.2	8.2	7.7	8.0
10	8.6	8.3	8.5	9.0	8.4	8.7	8.6	7.4	8.0	8.2	7.6	7.9
11	---	---	---	9.4	8.9	9.1	8.5	7.5	8.0	8.8	8.0	8.2
12	---	---	---	9.2	8.7	8.9	8.4	7.2	7.9	9.0	8.4	8.6
13	---	---	---	8.9	8.3	8.6	8.3	7.3	7.9	8.9	8.2	8.6
14	8.2	8.0	8.1	8.8	8.2	8.5	8.3	7.5	7.9	8.9	8.1	8.4
15	10.4	8.2	9.3	8.5	7.9	8.3	8.1	7.1	7.6	8.8	8.0	8.4
16	10.7	10.4	10.6	8.5	7.9	8.2	8.5	7.3	7.8	8.5	7.7	8.0
17	10.9	10.7	10.8	8.4	7.7	8.0	8.6	7.6	8.1	8.3	7.8	8.0
18	11.1	10.9	10.9	8.0	7.3	7.6	8.4	7.7	8.0	8.6	8.0	8.2
19	11.2	11.1	11.1	7.6	7.1	7.4	8.8	7.8	8.1	9.1	8.3	8.7
20	11.1	10.5	10.8	7.8	6.9	7.3	8.6	7.9	8.2	9.1	8.7	8.9
21	10.5	9.9	10.3	8.0	7.0	7.5	8.5	7.4	7.8	8.7	8.4	8.6
22	9.9	9.3	9.5	8.1	7.0	7.5	8.5	7.6	8.0	8.7	8.3	8.5
23	9.3	9.2	9.2	8.2	7.1	7.6	8.8	8.0	8.3	8.7	8.2	8.4
24	9.2	9.1	9.1	8.3	7.3	7.8	8.5	8.1	8.3	8.4	7.9	8.2
25	9.2	8.9	9.1	8.4	7.5	8.0	8.7	8.3	8.5	8.9	8.2	8.5
26	8.9	8.4	8.7	8.4	7.5	7.9	8.8	8.5	8.7	8.9	8.4	8.6
27	8.5	8.0	8.3	8.4	7.5	8.0	8.8	8.5	8.7	8.9	8.6	8.7
28	8.5	7.9	8.2	8.1	7.2	7.7	8.5	8.2	8.3	9.1	8.6	8.8
29	8.2	7.8	8.0	8.6	7.4	8.0	8.3	7.4	7.7	9.2	8.8	9.0
30	8.2	7.8	8.0	8.7	7.7	8.2	7.9	7.4	7.7	9.2	8.9	9.0
31	---	---	---	8.7	7.7	8.2	8.2	7.6	7.8	---	---	---
MONTH	11.4	7.8	9.4	9.4	6.9	8.2	8.9	7.1	8.1	9.2	7.6	8.5
PERIOD	11.4	6.9	8.5									

01055100 ANDROSCOGGIN RIVER AT JAY, ME—Continued

Cross section was performed on Sept. 22, 2005, from 10:05am to 11:00am, with field parameters displayed in the following order:
SPECIFIC CONDUCTANCE (microsiemens/cm)
pH (standard units)
WATER TEMPERATURE: (degrees Celsius)
DISSOLVED OXYGEN: (mg/L)



	Min	Mean	11:00	12:00	Min	Mean
136	109	117	101	101	98	105
7.8	7.2	7.5	7.1	7.1	7.1	7.1
19.3	19.0	19	19.2	19.4	19.0	19.3
8.0	7.9	7.9	8.5	8.6	8.3	8.3



Snow's Falls
Little Androscoggin River in South Paris, Maine
April 2005

01055220 DEAD RIVER AT LEEDS, ME

LOCATION.--Lat 44° 19'05", long 70° 07'20", 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 mi^2.

PERIOD OF RECORD.--
GAGE HEIGHT: October 2003 to current year.
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.

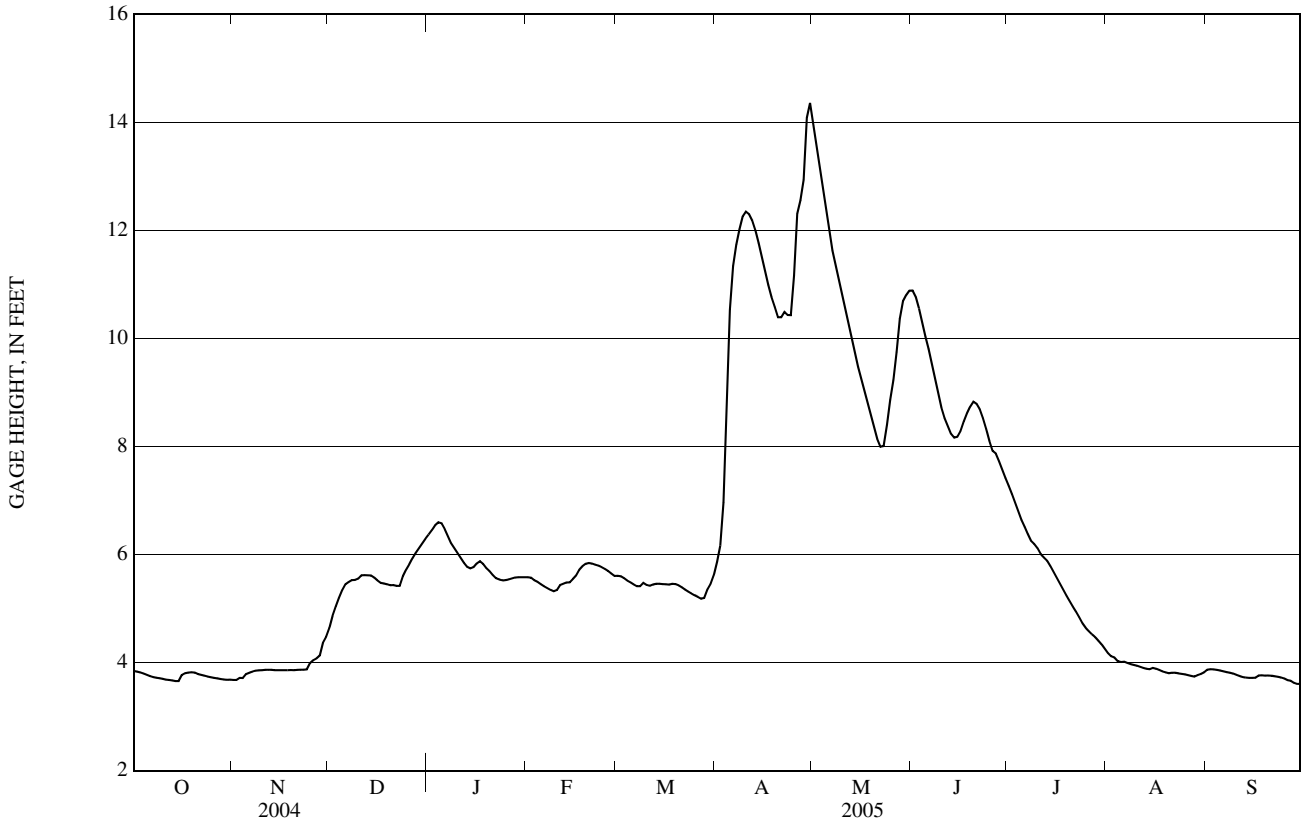
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.47 ft, Apr. 29-30, 2005; minimum gage height, 2.92 ft, Nov. 25, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.47 ft, Apr. 29-30; minimum gage height, 3.53 ft, Sept. 29.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.85	3.68	4.64	6.37	5.58	5.61	5.86	14.00	10.89	7.27	4.18	3.87
2	3.83	3.68	4.87	6.45	5.57	5.60	6.17	13.61	10.77	7.12	4.12	3.88
3	3.82	3.72	5.04	6.54	5.52	5.56	6.96	13.21	10.56	6.96	4.09	3.88
4	3.80	3.71	5.20	6.60	5.50	5.52	8.84	12.81	10.29	6.79	4.03	3.87
5	3.77	3.79	5.34	6.58	5.45	5.49	10.53	12.40	10.04	6.64	4.01	3.85
6	3.75	3.81	5.45	6.47	5.41	5.45	11.34	12.00	9.81	6.51	4.02	3.84
7	3.73	3.83	5.49	6.34	5.38	5.41	11.74	11.63	9.52	6.38	3.99	3.83
8	3.72	3.85	5.53	6.21	5.35	5.42	12.02	11.36	9.24	6.25	3.97	3.81
9	3.71	3.86	5.53	6.11	5.32	5.48	12.26	11.09	8.98	6.19	3.96	3.80
10	3.70	3.86	5.55	6.02	5.34	5.44	12.35	10.83	8.72	6.12	3.94	3.77
11	3.68	3.86	5.62	5.93	5.44	5.42	12.30	10.56	8.53	6.01	3.92	3.75
12	3.68	3.87	5.62	5.85	5.46	5.44	12.18	10.30	8.38	5.95	3.90	3.73
13	3.67	3.87	5.62	5.77	5.48	5.46	12.00	10.02	8.24	5.89	3.89	3.72
14	3.66	3.86	5.61	5.74	5.48	5.46	11.76	9.75	8.17	5.79	3.88	3.72
15	3.66	3.86	5.58	5.77	5.55	5.45	11.51	9.48	8.18	5.68	3.90	3.72
16	3.77	3.86	5.52	5.84	5.61	5.45	11.25	9.24	8.29	5.57	3.89	3.72
17	3.80	3.86	5.48	5.88	5.72	5.45	10.99	9.02	8.46	5.46	3.86	3.76
18	3.82	3.86	5.46	5.83	5.79	5.46	10.77	8.80	8.61	5.35	3.84	3.77
19	3.82	3.86	5.45	5.75	5.83	5.45	10.58	8.59	8.74	5.24	3.82	3.76
20	3.81	3.86	5.43	5.69	5.85	5.43	10.39	8.37	8.83	5.14	3.80	3.76
21	3.79	3.87	5.44	5.62	5.83	5.40	10.39	8.14	8.79	5.04	3.81	3.76
22	3.77	3.87	5.42	5.56	5.81	5.35	10.49	8.00	8.69	4.94	3.81	3.75
23	3.76	3.87	5.42	5.54	5.80	5.31	10.43	8.01	8.52	4.84	3.80	3.74
24	3.74	3.87	5.60	5.52	5.77	5.28	10.43	8.40	8.33	4.73	3.79	3.72
25	3.73	3.99	5.72	5.53	5.74	5.25	11.16	8.86	8.11	4.65	3.78	3.71
26	3.72	4.04	5.82	5.54	5.70	5.22	12.31	9.23	7.92	4.58	3.77	3.68
27	3.71	4.08	5.94	5.56	5.65	5.19	12.56	9.75	7.87	4.52	3.75	3.66
28	3.70	4.13	6.03	5.57	5.60	5.20	12.93	10.37	7.73	4.47	3.74	3.63
29	3.69	4.37	6.12	5.58	---	5.36	14.09	10.69	7.57	4.41	3.77	3.61
30	3.68	4.48	6.21	5.58	---	5.46	14.36	10.80	7.42	4.34	3.79	3.61
31	3.69	---	6.29	5.58	---	5.62	---	10.88	---	4.26	3.82	---
MEAN	3.74	3.90	5.55	5.90	5.59	5.42	11.03	10.33	8.81	5.58	3.89	3.76
MAX	3.85	4.48	6.29	6.60	5.85	5.62	14.36	14.00	10.89	7.27	4.18	3.88
MIN	3.66	3.68	4.64	5.52	5.32	5.19	5.86	8.00	7.42	4.26	3.74	3.61

01055220 DEAD RIVER AT LEEDS, ME—Continued



01055500 NEZINSCOT RIVER AT TURNER CENTER, ME

LOCATION.--Lat 44° 16'10", long 70° 13'47", 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 mi^2.

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 ice effect, Dec. 8 and Dec. 15 to Mar. 30, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,900 ft^3/s, Mar. 27, 1953, gage height, 11.18 ft; minimum discharge, 5.6 ft^3/s, Aug. 29, 1956, gage height, 0.72 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 30	0030	1,700	4.22	Apr 25	1915	3,060	5.46
Dec 2	1345	1,850	4.36	Apr 29	0500	4,310	6.34
Apr 4	0915	*8,630	*8.72	May 24	2245	2,860	5.30

Minimum discharge, 24 ft^3/s, Sept. 14-16, gage height, 1.05 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	72	1,130	e246	e111	e131	1,540	1,840	1,010	159	41	76
2	43	73	1,740	e239	e108	e135	1,590	1,550	823	155	40	99
3	48	89	1,420	e229	e105	e136	3,990	1,190	655	140	40	75
4	52	108	923	e229	e106	e127	7,870	955	524	121	39	56
5	54	185	662	e217	e106	e119	4,940	794	432	110	41	46
6	51	270	466	e190	e107	e114	3,390	678	373	110	48	40
7	49	231	393	e180	e109	e112	2,940	603	384	124	45	35
8	48	183	e348	e180	e112	e117	2,660	778	368	117	40	32
9	46	148	332	e177	e116	e124	2,440	820	322	162	36	30
10	45	123	308	e177	e123	e132	2,060	688	279	232	34	30
11	44	110	331	e168	e134	e140	1,790	584	289	195	33	28
12	44	103	359	e159	e150	e146	1,480	522	348	145	32	27
13	43	97	341	e161	e158	e140	1,190	461	321	119	31	26
14	44	90	304	e242	e145	e132	1,020	407	407	105	30	25
15	47	87	e223	e342	e151	e127	941	387	1,060	104	35	25
16	132	84	e206	e362	e177	e130	861	505	1,250	93	35	25
17	244	81	e190	e292	e236	e128	808	524	1,260	84	34	27
18	201	80	e182	e243	e259	e125	770	465	1,380	80	32	28
19	149	79	e173	e212	e253	e124	715	421	1,210	77	31	29
20	120	78	e161	e191	e221	e123	654	373	868	74	29	31
21	102	77	e155	e178	e198	e128	957	331	628	68	29	32
22	91	77	e157	e166	e183	e132	1,020	541	501	63	30	32
23	84	78	e182	e157	e173	e133	817	1,160	424	61	30	32
24	79	81	e688	e149	e156	e129	1,330	2,540	333	56	30	30
25	75	269	e978	e143	e149	e123	2,840	2,470	271	52	29	28
26	71	516	e601	e137	e141	e113	2,540	2,170	223	50	28	28
27	67	407	e452	e132	e134	e103	1,660	2,720	209	49	27	28
28	65	333	e340	e127	e129	e161	3,190	2,260	184	48	26	29
29	62	1,300	e305	e123	---	e731	3,950	1,550	171	47	27	30
30	64	1,510	e281	e118	---	e1,140	2,430	1,190	161	46	28	33
31	69	---	e259	e115	---	1,440	---	1,140	---	43	39	---
TOTAL	2,375	7,019	14,590	5,981	4,250	6,895	64,383	32,617	16,668	3,089	1,049	1,092
MEAN	76.6	234	471	193	152	222	2,146	1,052	556	99.6	33.8	36.4
MAX	244	1,510	1,740	362	259	1,440	7,870	2,720	1,380	232	48	99
MIN	42	72	155	115	105	103	654	331	161	43	26	25
CFSM	0.45	1.38	2.78	1.14	0.90	1.32	12.7	6.23	3.29	0.59	0.20	0.22
IN.	0.52	1.55	3.21	1.32	0.94	1.52	14.17	7.18	3.67	0.68	0.23	0.24

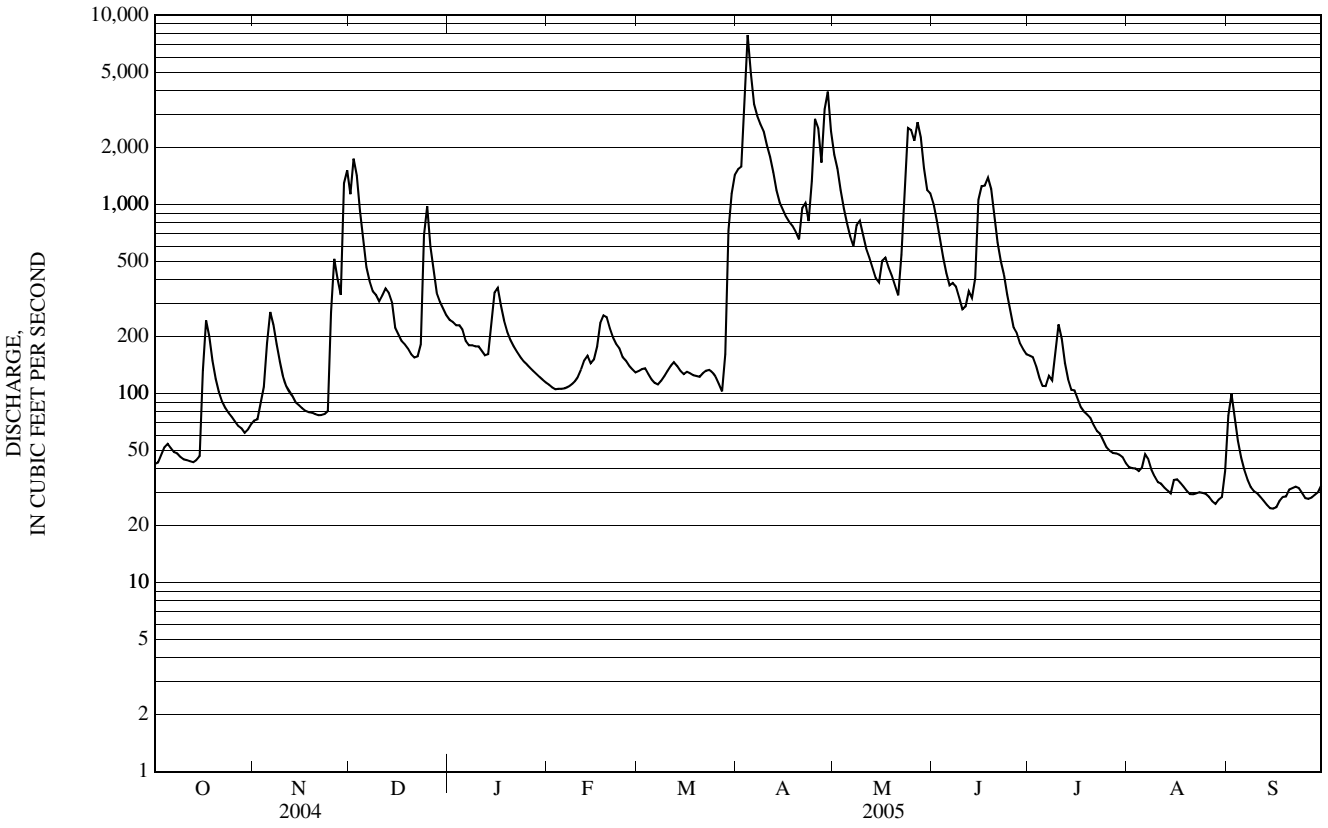
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2005, BY WATER YEAR (WY)

MEAN	164	307	307	213	219	479	976	454	227	117	79.2	78.4
MAX	852	828	1,384	827	1,066	1,747	2,146	1,102	696	641	440	883
(WY)	(1978)	(1984)	(1974)	(1978)	(1970)	(1953)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1941 - 2005	
ANNUAL TOTAL	88,555		160,008			
ANNUAL MEAN	242		438		302	
HIGHEST ANNUAL MEAN					482	1984
LOWEST ANNUAL MEAN					144	1965
HIGHEST DAILY MEAN	2,170	Apr 15	7,870	Apr 4	10,800	Mar 27, 1953
LOWEST DAILY MEAN	42	Sep 30	25	Sep 14	5.8	Aug 28, 1956
ANNUAL SEVEN-DAY MINIMUM	44	Sep 27	26	Sep 11	6.6	Aug 24, 1956
MAXIMUM PEAK FLOW			8,630	Apr 4	13,900	Mar 27, 1953
MAXIMUM PEAK STAGE			8.72	Apr 4	11.18	Mar 27, 1953
INSTANTANEOUS LOW FLOW			24	Sep 14	5.6	Aug 29, 1956
ANNUAL RUNOFF (CFSM)	1.43		2.59		1.78	
ANNUAL RUNOFF (INCHES)	19.49		35.22		24.24	
10 PERCENT EXCEEDS	538		1,200		733	
50 PERCENT EXCEEDS	124		146		145	
90 PERCENT EXCEEDS	57		32		35	



01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME

LOCATION.--Lat 44° 18'14", long 70° 32'23", Oxford County, Hydrologic Unit 01040002, on island 50 ft upstream from Snow Falls, and 6 mi upstream from South Paris.

DRAINAGE AREA.--73.5 mi^2.

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. 15-23, Dec. 28 to Jan. 13 and Jan. 16 to Mar. 28, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,340 ft^3/s, Apr. 1, 1987, gage height, 12.22 ft, from rating curve extended above 5,500 ft^3/s, on basis of slope-area measurement of peak flow; minimum discharge, 0.60 ft^3/s, Sept. 17 and 21, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	1000	1,600	6.86	Apr 28	1915	2,070	7.47
Dec 2	0215	1,240	6.29	May 24	0430	1,360	6.49
Apr 3	2045	*4,750	*9.81	May 27	0600	1,140	6.11
Apr 25	0045	1,680	6.98	June 15	0800	1,250	6.31

Minimum discharge, 3.9 ft^3/s, Aug. 28, gage height, 1.64 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	42	577	e104	e50	e56	541	812	323	62	8.5	145
2	17	38	990	e101	e49	e58	552	601	259	60	8.1	74
3	17	63	492	e99	e49	e56	2,800	434	211	51	7.9	42
4	17	66	323	e99	e49	e53	2,650	347	177	44	7.3	30
5	15	152	247	e92	e49	e51	1,270	290	149	39	7.8	23
6	14	150	189	e81	e50	e51	1,110	248	132	66	12	18
7	14	106	163	e78	e50	e50	1,150	229	130	61	9.3	15
8	13	85	161	e76	e52	e50	1,090	315	108	52	7.9	13
9	13	69	155	e76	e54	e49	1,010	289	93	76	7.0	11
10	13	58	142	e76	e63	e56	844	236	89	99	6.4	9.7
11	14	53	171	e72	e69	e56	780	203	138	81	5.9	8.4
12	15	50	169	e69	e74	e56	575	196	104	60	5.4	7.4
13	21	48	151	e70	e68	e57	436	174	85	46	5.2	6.5
14	20	44	131	125	e62	e56	406	156	204	64	4.9	6.0
15	22	43	e96	212	e64	e54	391	171	1,040	46	8.7	8.0
16	184	42	e88	e161	e78	e55	365	272	722	36	11	14
17	161	41	e83	e132	e115	e54	370	231	731	31	7.3	19
18	99	41	e78	e101	e121	e54	385	194	660	27	5.4	21
19	72	42	e74	e85	e102	e55	347	176	470	26	4.8	18
20	58	40	e70	e85	e89	e59	326	157	323	24	4.6	16
21	51	40	e67	e77	e80	e68	624	140	239	22	5.8	14
22	46	44	e68	e71	e77	e77	426	324	204	19	11	12
23	43	46	e78	e69	e71	e90	350	583	169	21	9.1	10
24	41	45	629	e68	e65	e89	820	1,190	132	18	6.7	7.8
25	39	311	378	e64	e63	e90	1,360	732	107	15	5.9	6.9
26	37	297	236	e61	e60	e94	779	746	86	14	5.1	6.9
27	35	178	180	e59	e57	e101	566	1,010	74	13	4.5	13
28	33	164	e139	e56	e56	e135	1,740	664	65	14	4.1	15
29	32	1,260	e128	e55	---	315	1,330	473	63	13	4.9	13
30	31	632	e117	e54	---	447	752	378	67	11	30	28
31	37	---	e108	e52	---	517	---	416	---	9.4	36	---
TOTAL	1,242	4,290	6,678	2,680	1,886	3,109	26,145	12,387	7,354	1,220.4	268.5	631.6
MEAN	40.1	143	215	86.5	67.4	100	872	400	245	39.4	8.66	21.1
MAX	184	1,260	990	212	121	517	2,800	1,190	1,040	99	36	145
MIN	13	38	67	52	49	49	326	140	63	9.4	4.1	6.0
CFSM	0.55	1.95	2.93	1.18	0.92	1.36	11.9	5.44	3.34	0.54	0.12	0.29
IN.	0.63	2.17	3.38	1.36	0.95	1.57	13.23	6.27	3.72	0.62	0.14	0.32

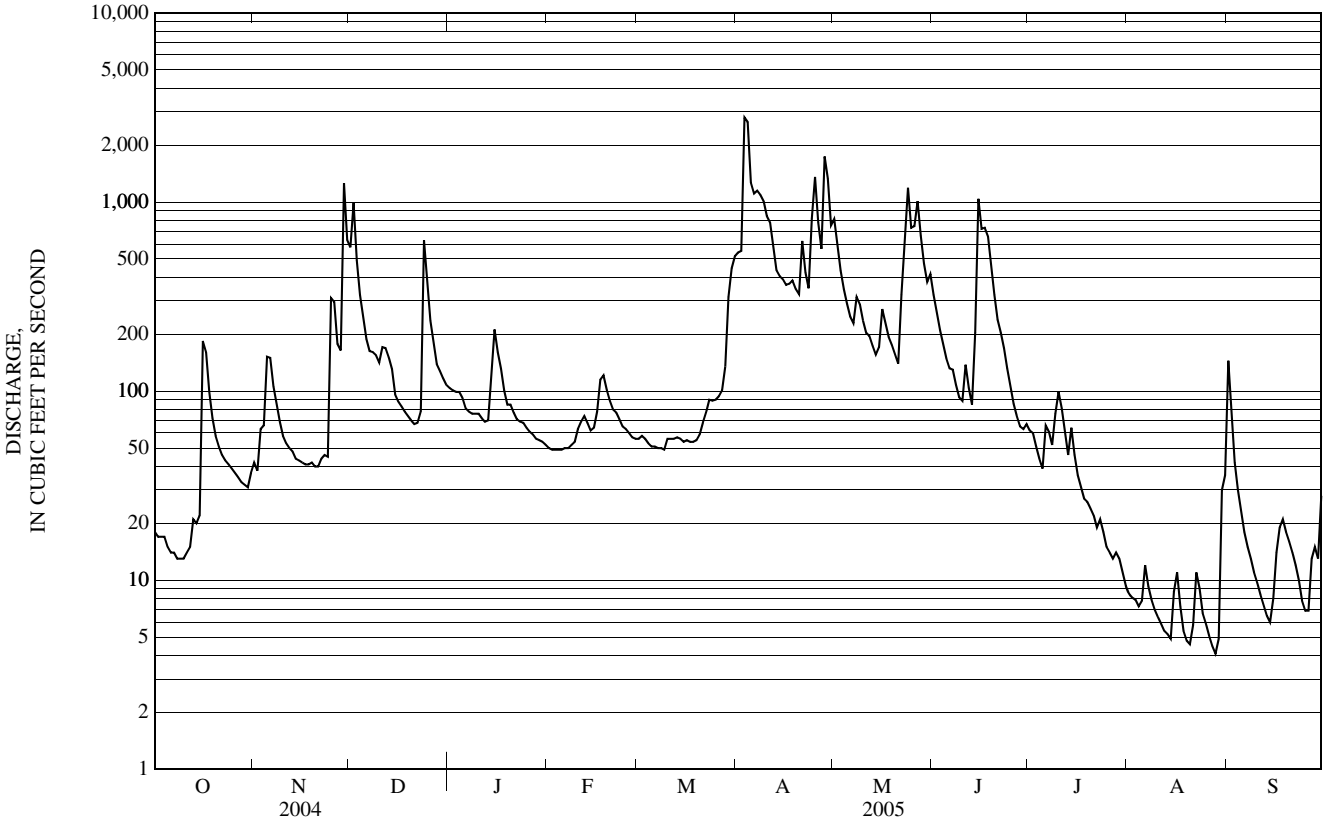
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2005, BY WATER YEAR (WY)

MEAN	78.2	138	131	87.8	81.8	207	465	214	111	51.4	36.9	40.7
MAX	457	421	608	303	380	1,133	872	531	464	257	193	354
(WY)	(1978)	(1964)	(1974)	(1978)	(1970)	(1936)	(2005)	(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)

e Estimated

01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1914 - 2005	
ANNUAL TOTAL	40,747		67,891.5			
ANNUAL MEAN	111		186		137	
HIGHEST ANNUAL MEAN					219	1973
LOWEST ANNUAL MEAN					62.9	1965
HIGHEST DAILY MEAN	1,260	Nov 29	2,800	Apr 3	6,760	Apr 1, 1987
LOWEST DAILY MEAN	13	Oct 8	4.1	Aug 28	0.65	Sep 17, 1995
ANNUAL SEVEN-DAY MINIMUM	14	Oct 5	5.8	Aug 23	0.69	Sep 15, 1995
MAXIMUM PEAK FLOW			4,750	Apr 3	9,340	Apr 1, 1987
MAXIMUM PEAK STAGE			9.81	Apr 3	12.22	Apr 1, 1987
INSTANTANEOUS LOW FLOW			3.9	Aug 28	0.60	Sep 17, 1995
ANNUAL RUNOFF (CFSM)	1.51		2.53		1.86	
ANNUAL RUNOFF (INCHES)	20.62		34.36		25.32	
10 PERCENT EXCEEDS	230		545		329	
50 PERCENT EXCEEDS	66		68		63	
90 PERCENT EXCEEDS	22		9.9		11	



01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME

LOCATION.--Lat 44° 04'20", long 70° 12'29", 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 mi^2.

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 20. 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 30,703,860,000 ft^3. Telephone and satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 135,000 ft^3/s, Mar. 20, 1936, gage height, 27.57 ft, from rating curve extended above 76,000 ft^3/s, on basis of slope-area measurement of peak flow and computation of flow over dam; minimum daily discharge, 340 ft^3/s, Sept. 28, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58,500 ft^3/s, Apr. 4, gage height, 16.44 ft; minimum daily discharge, 1,600 ft^3/s, Sept. 8.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,670	3,270	17,600	5,240	4,070	4,780	13,600	29,600	21,900	4,160	2,550	4,910
2	2,310	2,670	16,400	6,460	3,430	4,540	15,100	26,800	18,100	5,380	2,910	6,090
3	1,860	2,830	16,600	6,370	4,430	3,770	29,400	23,100	14,600	5,360	3,010	6,040
4	2,990	2,690	13,100	5,400	4,430	3,690	56,600	19,200	12,200	5,300	2,940	5,940
5	2,940	3,840	11,300	4,430	3,990	2,180	47,900	16,000	9,710	4,670	2,870	3,650
6	2,570	4,940	9,540	5,720	4,060	2,630	33,800	14,700	9,330	4,640	2,570	1,730
7	2,260	5,090	7,550	5,660	4,390	4,270	31,000	13,800	7,280	4,300	2,030	1,710
8	1,990	5,010	5,370	5,760	3,810	4,520	30,900	13,000	7,790	4,250	2,890	1,600
9	2,180	3,620	4,960	5,790	4,270	4,710	30,900	10,700	7,050	5,440	2,340	2,860
10	2,230	4,160	6,170	5,470	4,360	4,470	27,500	10,000	6,740	5,320	2,300	1,640
11	2,880	4,120	7,050	4,200	4,240	3,900	24,500	9,960	6,290	6,170	2,140	1,680
12	2,620	4,080	6,630	3,950	4,490	2,970	21,300	9,880	5,630	6,210	2,100	2,980
13	3,090	3,710	6,460	3,970	4,230	3,020	18,200	10,700	6,380	6,270	1,770	2,610
14	2,700	3,880	6,360	6,020	4,580	4,070	15,700	8,940	6,880	6,230	1,760	2,710
15	3,690	3,120	6,220	6,210	4,530	4,190	14,800	8,730	13,000	6,130	2,050	2,970
16	3,930	3,270	6,070	6,640	4,600	4,690	13,800	8,700	19,900	4,250	1,700	2,930
17	5,090	2,260	3,160	6,110	4,970	4,730	13,500	8,900	19,700	3,520	2,430	2,360
18	5,510	2,650	2,720	6,530	6,010	4,710	14,800	9,050	19,600	3,680	1,680	2,350
19	4,320	3,170	2,610	6,330	4,630	3,850	15,700	8,980	18,700	3,190	2,290	2,580
20	3,660	3,010	3,500	4,850	5,550	3,860	15,900	8,790	16,900	e2,870	1,680	2,690
21	3,900	3,810	5,100	4,420	4,820	4,320	20,700	8,550	13,100	2,600	1,950	2,640
22	3,650	2,570	4,630	4,180	4,640	5,520	22,000	7,730	11,100	2,720	2,770	2,840
23	5,110	2,370	5,110	4,050	4,710	5,230	17,700	12,600	9,440	2,590	2,690	2,980
24	5,150	3,210	10,100	4,200	5,120	5,300	20,900	28,900	8,660	2,560	3,610	2,860
25	3,200	3,980	17,000	3,350	4,880	5,710	40,000	32,400	6,510	2,930	3,330	3,000
26	1,860	7,080	12,400	3,780	4,510	6,390	40,100	26,900	6,210	1,990	2,380	3,240
27	1,840	9,430	8,310	3,500	4,950	5,440	31,500	34,100	6,320	2,040	2,590	2,930
28	1,920	8,330	6,390	4,540	4,900	6,090	36,300	32,200	5,330	2,040	3,650	2,610
29	2,040	14,500	5,890	4,330	---	8,370	44,900	26,000	4,230	2,910	3,580	2,750
30	2,730	22,600	5,500	4,280	---	9,540	37,200	23,200	3,870	2,360	2,880	2,420
31	3,310	---	4,640	3,510	---	10,700	---	22,900	---	2,260	2,990	---
TOTAL	97,200	149,270	244,440	155,250	127,600	152,160	796,200	525,010	322,450	124,340	78,430	90,300
MEAN	3,135	4,976	7,885	5,008	4,557	4,908	26,540	16,940	10,750	4,011	2,530	3,010
MAX	5,510	22,600	17,600	6,640	6,010	10,700	56,600	34,100	21,900	6,270	3,650	6,090
MIN	1,840	2,260	2,610	3,350	3,430	2,180	13,500	7,730	3,870	1,990	1,680	1,600

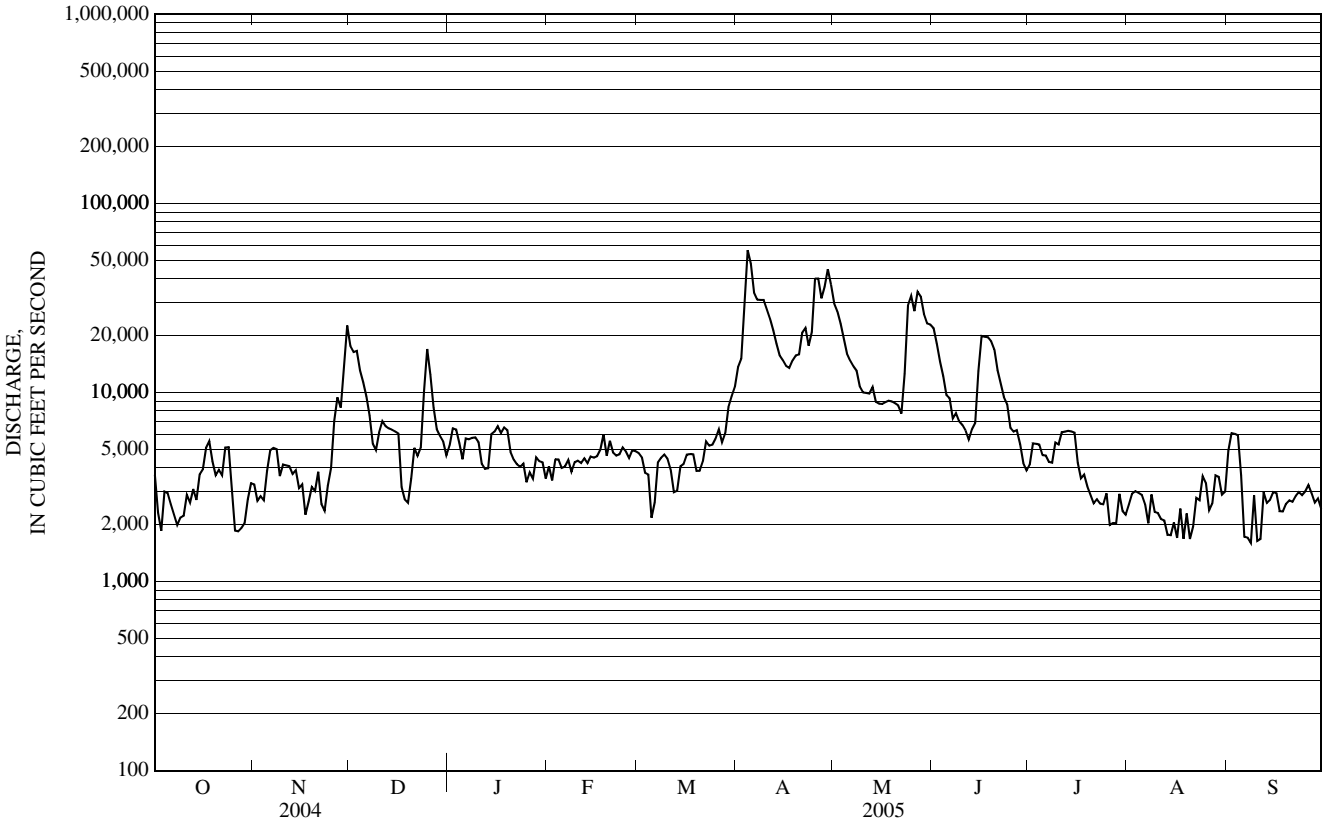
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2005, BY WATER YEAR (WY)

MEAN	4,164	5,606	5,384	4,510	4,393	7,268	15,320	11,530	5,939	3,657	3,083	3,222
MAX	13,950	13,340	21,260	10,550	13,570	32,680	26,540	24,940	16,920	12,930	7,185	16,700
(WY)	(1978)	(1996)	(1974)	(1996)	(1970)	(1936)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1929 - 2005	
ANNUAL TOTAL	2,024,230		2,862,650			
ANNUAL MEAN	5,531		7,843		6,174	
HIGHEST ANNUAL MEAN					9,828	1996
LOWEST ANNUAL MEAN					3,500	1941
HIGHEST DAILY MEAN	26,000	Apr 15	56,600	Apr 4	114,000	Mar 20, 1936
LOWEST DAILY MEAN	1,640	Jun 27	1,600	Sep 8	340	Sep 28, 1941
ANNUAL SEVEN-DAY MINIMUM	2,010	Jun 29	1,930	Aug 12	1,320	Aug 29, 1995
MAXIMUM PEAK FLOW			58,500	Apr 4	135,000	Mar 20, 1936
MAXIMUM PEAK STAGE			16.44	Apr 4	27.57	Mar 20, 1936
10 PERCENT EXCEEDS	10,100		18,900		13,000	
50 PERCENT EXCEEDS	4,440		4,640		4,190	
90 PERCENT EXCEEDS	2,260		2,360		1,970	



01063310 STONY BROOK AT EAST SEBAGO, ME

LOCATION.--Lat 43° 51'20", long 70° 38'23", 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 mi^2, 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 flows between 1.0 ft^3/s and 0.10 ft^3/s, periods of ice effect, Jan. 16-25, Mar. 7-12, period of doubtful stage-discharge relation, Nov. 5, Dec. 23-24, periods of no gage-height record, Jan. 29-30, Feb. 1-3, which are fair, and flows below 0.10 ft^3/s, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 130 ft^3/s, Sept. 17, 1999, gage height, 7.86 ft; minimum discharge, 0.01 ft^3/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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 3	1115	*66	*6.57	Apr 28	0845	28	5.54

Minimum discharge, 0.03 ft^3/s, Sept. 11-13, gage height, 3.52 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.18	0.33	4.2	1.5	e0.81	1.1	9.5	12	5.1	1.1	0.37	0.35
2	0.20	0.28	5.8	1.4	e0.80	1.0	13	8.7	4.3	1.0	0.43	0.24
3	0.20	0.36	3.8	1.5	e0.79	0.98	47	7.0	3.8	0.89	0.31	0.19
4	0.19	0.37	2.8	1.6	0.79	0.99	25	5.9	3.3	0.80	0.25	0.15
5	0.17	e0.45	2.3	1.6	0.80	0.94	17	5.1	3.0	0.73	0.24	0.11
6	0.15	0.51	1.9	1.4	0.81	0.91	15	4.5	2.7	0.77	0.21	0.10
7	0.14	0.60	1.7	1.3	0.83	e0.89	14	4.5	2.5	0.82	0.16	0.09
8	0.13	0.61	1.6	1.3	0.84	e0.99	13	5.3	2.2	0.84	0.14	0.08
9	0.13	0.51	1.7	1.2	0.86	e0.94	11	4.8	2.1	1.6	0.12	0.07
10	0.13	0.42	1.6	1.2	1.1	e0.94	9.0	4.1	2.1	1.8	0.11	0.06
11	0.12	0.38	2.8	1.1	1.1	e0.93	7.7	3.7	2.2	1.6	0.11	0.05
12	0.12	0.35	3.0	1.1	1.0	e0.96	6.6	3.4	2.1	1.3	0.10	0.04
13	0.12	0.41	2.7	1.1	0.94	1.0	5.9	3.0	1.9	1.0	0.13	0.04
14	0.12	0.37	2.3	2.6	0.88	0.95	5.4	2.6	2.8	0.79	0.21	0.04
15	0.16	0.33	1.9	3.0	2.0	0.99	4.9	2.7	5.0	0.78	0.50	0.05
16	1.4	0.28	1.5	e2.2	2.5	1.1	4.4	2.9	4.4	0.75	0.34	0.06
17	1.2	0.27	1.4	e1.8	2.8	1.0	4.1	2.8	5.5	0.56	0.25	0.08
18	0.84	0.24	1.3	e1.6	2.4	1.1	3.8	2.6	4.8	0.52	0.21	0.07
19	0.63	0.24	1.2	e1.3	2.1	1.1	3.4	3.3	3.7	0.64	0.19	0.06
20	0.53	0.25	1.2	e1.3	1.8	1.2	3.4	3.2	2.9	0.86	0.19	0.09
21	0.64	0.26	1.2	e1.2	1.6	1.4	6.0	2.9	2.5	0.63	0.17	0.09
22	0.69	0.24	1.1	e1.0	1.5	1.6	5.0	4.4	2.4	0.53	0.15	0.07
23	0.48	0.20	e1.5	e0.99	1.3	1.8	5.7	6.8	2.2	0.50	0.13	0.06
24	0.38	0.27	e5.5	e1.0	1.2	1.7	13	13	1.9	0.39	0.12	0.06
25	0.54	1.9	3.6	e1.0	1.2	1.9	12	11	1.6	0.35	0.11	0.06
26	0.58	1.7	2.4	0.99	1.1	2.1	8.3	13	1.3	0.32	0.10	0.09
27	0.40	1.3	2.0	0.95	1.1	2.2	9.4	11	1.2	0.50	0.08	0.11
28	0.32	1.6	1.8	0.98	1.0	3.7	24	7.5	1.0	0.64	0.09	0.10
29	0.23	5.1	1.7	e0.89	---	8.2	13	6.4	1.0	0.46	0.18	0.14
30	0.20	3.4	1.5	e0.88	---	9.6	9.8	6.6	1.1	0.39	0.24	0.17
31	0.27	---	1.5	0.82	---	10	---	6.1	---	0.36	0.33	---
TOTAL	11.59	23.53	70.5	41.80	35.95	64.21	329.3	180.8	82.6	24.22	6.27	2.97
MEAN	0.37	0.78	2.27	1.35	1.28	2.07	11.0	5.83	2.75	0.78	0.20	0.10
MAX	1.4	5.1	5.8	3.0	2.8	10	47	13	5.5	1.8	0.50	0.35
MIN	0.12	0.20	1.1	0.82	0.79	0.89	3.4	2.6	1.0	0.32	0.08	0.04
CFSM	0.46	0.97	2.81	1.66	1.59	2.56	13.6	7.20	3.40	0.96	0.25	0.12
IN.	0.53	1.08	3.24	1.92	1.65	2.95	15.12	8.30	3.79	1.11	0.29	0.14

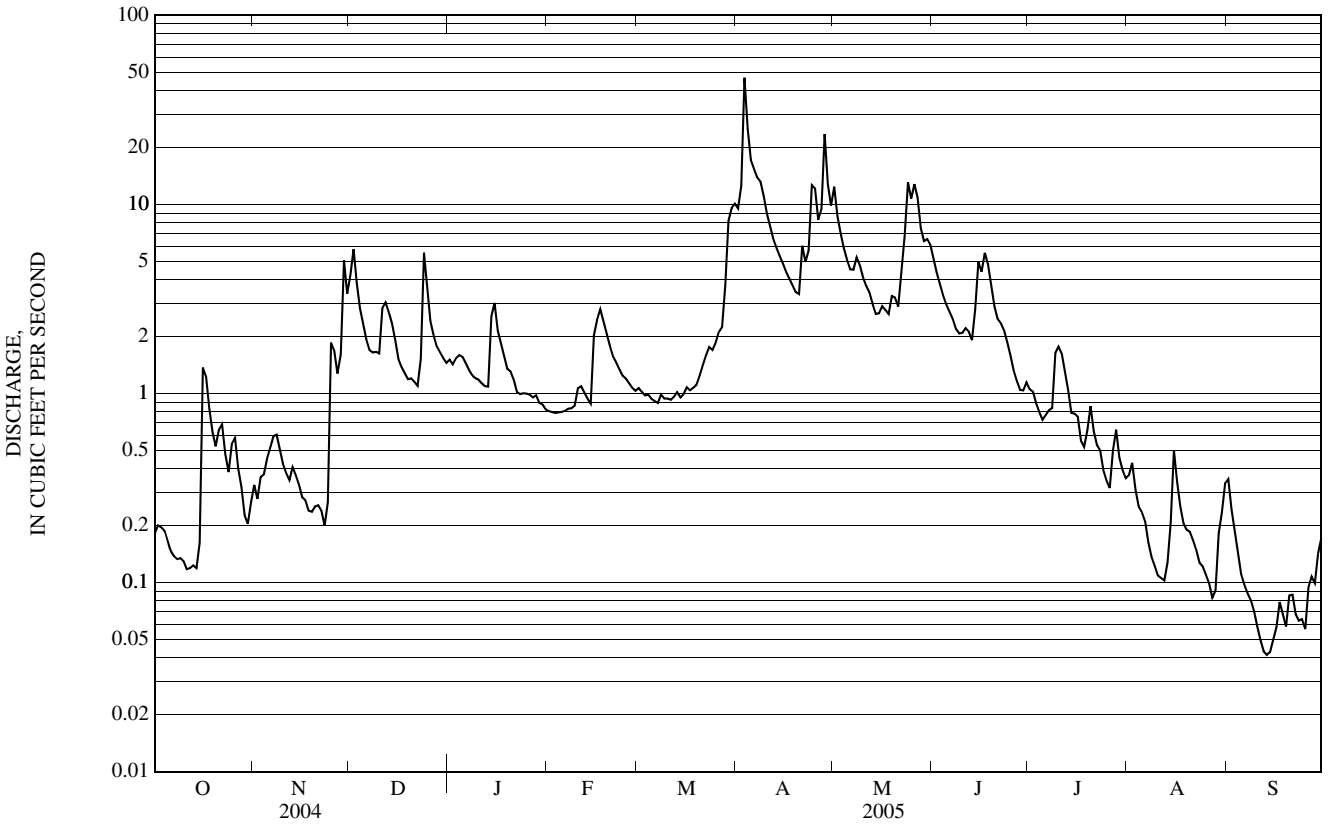
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

MEAN	1.36	1.51	2.07	1.39	1.35	3.61	5.45	2.54	1.61	0.63	0.40	0.69
MAX	4.86	3.03	6.07	2.41	2.86	8.23	11.0	5.83	6.18	1.55	0.99	4.51
(WY)	(1997)	(1996)	(2004)	(1996)	(1996)	(1999)	(2005)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	506.98		873.74			
ANNUAL MEAN	1.39		2.39		1.88	
HIGHEST ANNUAL MEAN					2.39	2005
LOWEST ANNUAL MEAN					0.85	2002
HIGHEST DAILY MEAN	21	Apr 2	47	Apr 3	66	Sep 17, 1999
LOWEST DAILY MEAN	0.11	Sep 8	0.04	Sep 12	0.01	Sep 12, 2001
ANNUAL SEVEN-DAY MINIMUM	0.12	Oct 8	0.05	Sep 10	0.01	Sep 12, 2001
MAXIMUM PEAK FLOW			66	Apr 3	130	Sep 17, 1999
MAXIMUM PEAK STAGE			6.57	Apr 3	7.86	Sep 17, 1999
INSTANTANEOUS LOW FLOW			0.03	Sep 11	0.01	Sep 18, 2001
ANNUAL RUNOFF (CFSM)	1.71		2.96		2.32	
ANNUAL RUNOFF (INCHES)	23.28		40.13		31.58	
10 PERCENT EXCEEDS	3.4		5.9		4.4	
50 PERCENT EXCEEDS	0.69		1.1		0.98	
90 PERCENT EXCEEDS	0.22		0.12		0.14	



01063995 SEBAGO LAKE NEAR NORTH WINDHAM, ME

LOCATION.--Lat 43° 46'40", long 70° 30'22", 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 mi^2.

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.--Satellite telemeter at station.

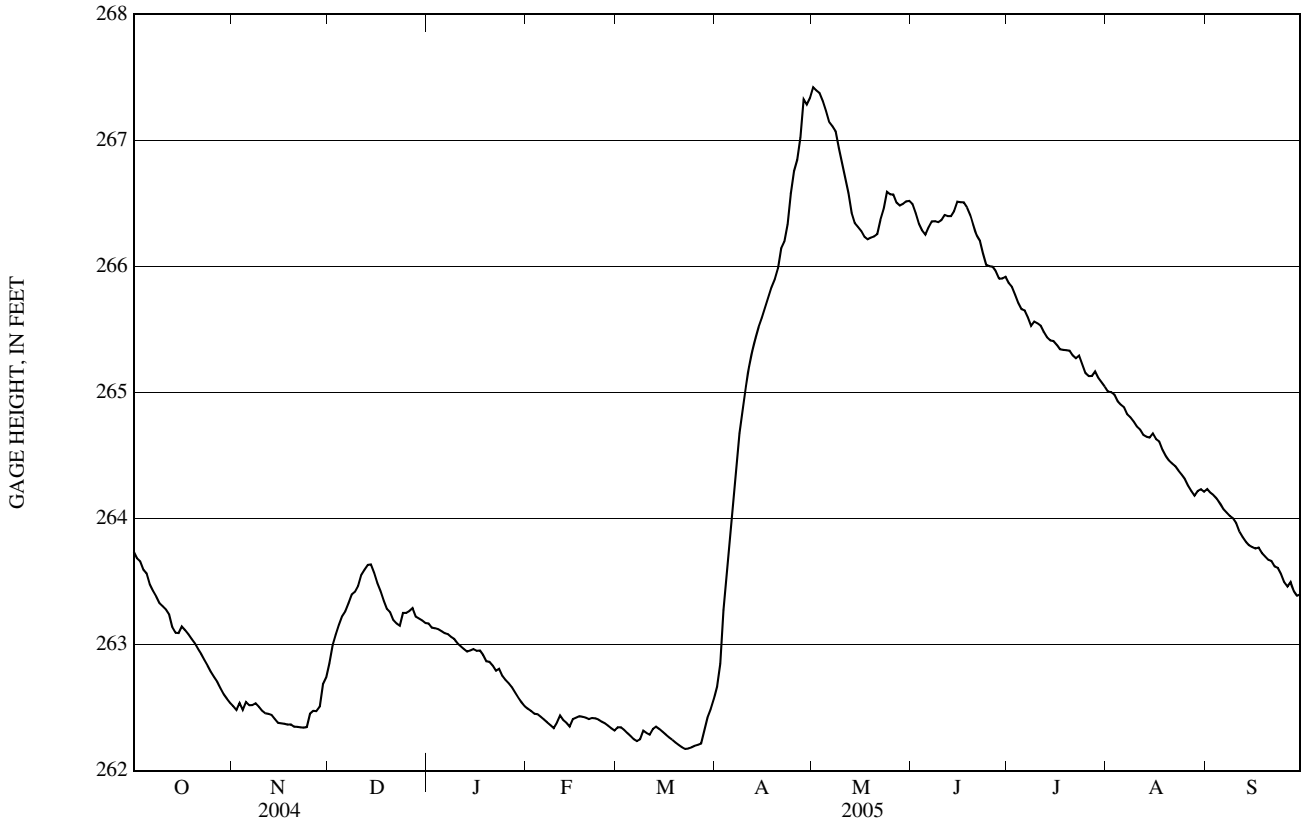
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 267.46 ft, May 1, 2005; minimum elevation, 260.56 ft, Feb. 10 and 20, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 267.46 ft, May 1; minimum elevation, 262.16 ft, Mar. 22-23.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263.74	262.51	262.85	263.17	262.49	262.34	262.67	267.42	266.50	265.87	265.01	264.23
2	263.68	262.48	262.99	263.14	262.47	262.34	262.85	267.40	266.42	265.84	265.00	264.20
3	263.66	262.54	263.08	263.13	262.45	262.32	263.27	267.38	266.34	265.78	264.98	264.18
4	263.59	262.48	263.16	263.12	262.45	262.30	263.56	267.31	266.29	265.71	264.93	264.16
5	263.56	262.54	263.23	263.11	262.43	262.28	263.89	267.23	266.25	265.66	264.90	264.12
6	263.48	262.52	263.27	263.09	262.41	262.25	264.19	267.15	266.31	265.65	264.88	264.08
7	263.43	262.52	263.33	263.08	262.38	262.24	264.44	267.11	266.36	265.60	264.83	264.05
8	263.38	262.53	263.40	263.06	262.36	262.25	264.68	267.07	266.36	265.53	264.80	264.02
9	263.33	262.51	263.42	263.05	262.34	262.32	264.87	266.94	266.35	265.56	264.77	264.00
10	263.30	262.48	263.47	263.01	262.38	262.30	265.05	266.82	266.37	265.55	264.73	263.96
11	263.28	262.46	263.56	262.99	262.44	262.29	265.21	266.70	266.41	265.53	264.71	263.90
12	263.24	262.45	263.60	262.96	262.40	262.33	265.33	266.58	266.40	265.48	264.66	263.85
13	263.14	262.44	263.63	262.94	262.38	262.35	265.43	266.43	266.40	265.44	264.65	263.82
14	263.09	262.41	263.64	262.95	262.35	262.33	265.52	266.34	266.44	265.41	264.64	263.79
15	263.09	262.38	263.57	262.96	262.41	262.31	265.59	266.31	266.51	265.41	264.67	263.77
16	263.14	262.38	263.49	262.95	262.42	262.29	265.67	266.28	266.51	265.38	264.63	263.76
17	263.12	262.37	263.43	262.95	262.43	262.26	265.75	266.24	266.51	265.34	264.61	263.77
18	263.08	262.37	263.35	262.92	262.43	262.24	265.83	266.22	266.47	265.34	264.55	263.73
19	263.05	262.37	263.28	262.87	262.42	262.22	265.90	266.23	266.41	265.34	264.50	263.70
20	263.01	262.35	263.26	262.86	262.41	262.20	265.99	266.24	266.33	265.33	264.46	263.67
21	262.97	262.35	263.19	262.83	262.42	262.19	266.14	266.26	266.25	265.29	264.44	263.66
22	262.93	262.34	263.17	262.79	262.42	262.17	266.20	266.37	266.21	265.27	264.42	263.62
23	262.88	262.34	263.15	262.81	262.41	262.17	266.33	266.45	266.10	265.29	264.38	263.61
24	262.83	262.35	263.25	262.75	262.39	262.18	266.58	266.59	266.01	265.22	264.35	263.56
25	262.78	262.45	263.25	262.72	262.38	262.20	266.76	266.57	266.00	265.15	264.31	263.50
26	262.74	262.47	263.27	262.69	262.36	262.20	266.85	266.57	266.00	265.13	264.26	263.46
27	262.71	262.47	263.29	262.66	262.34	262.21	267.02	266.51	265.96	265.13	264.22	263.50
28	262.65	262.51	263.22	262.62	262.32	262.32	267.33	266.48	265.90	265.17	264.18	263.42
29	262.61	262.69	263.21	262.58	---	262.42	267.28	266.50	265.90	265.12	264.22	263.39
30	262.57	262.74	263.19	262.54	---	262.49	267.34	266.52	265.92	265.08	264.23	263.40
31	262.54	---	263.17	262.51	---	262.57	---	266.52	---	265.05	264.21	---
MEAN	263.12	262.46	263.30	262.90	262.40	262.29	265.45	266.67	266.27	265.41	264.58	263.80
MAX	263.74	262.74	263.64	263.17	262.49	262.57	267.34	267.42	266.51	265.87	265.01	264.23
MIN	262.54	262.34	262.85	262.51	262.32	262.17	262.67	266.22	265.90	265.05	264.18	263.39

01063995 SEBAGO LAKE NEAR NORTH WINDHAM, ME—Continued



01064118 PRESUMPSCOT RIVER AT WESTBROOK, ME

LOCATION.--Lat 43° 41'13", long 70° 20'50", 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 mi^2.

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.

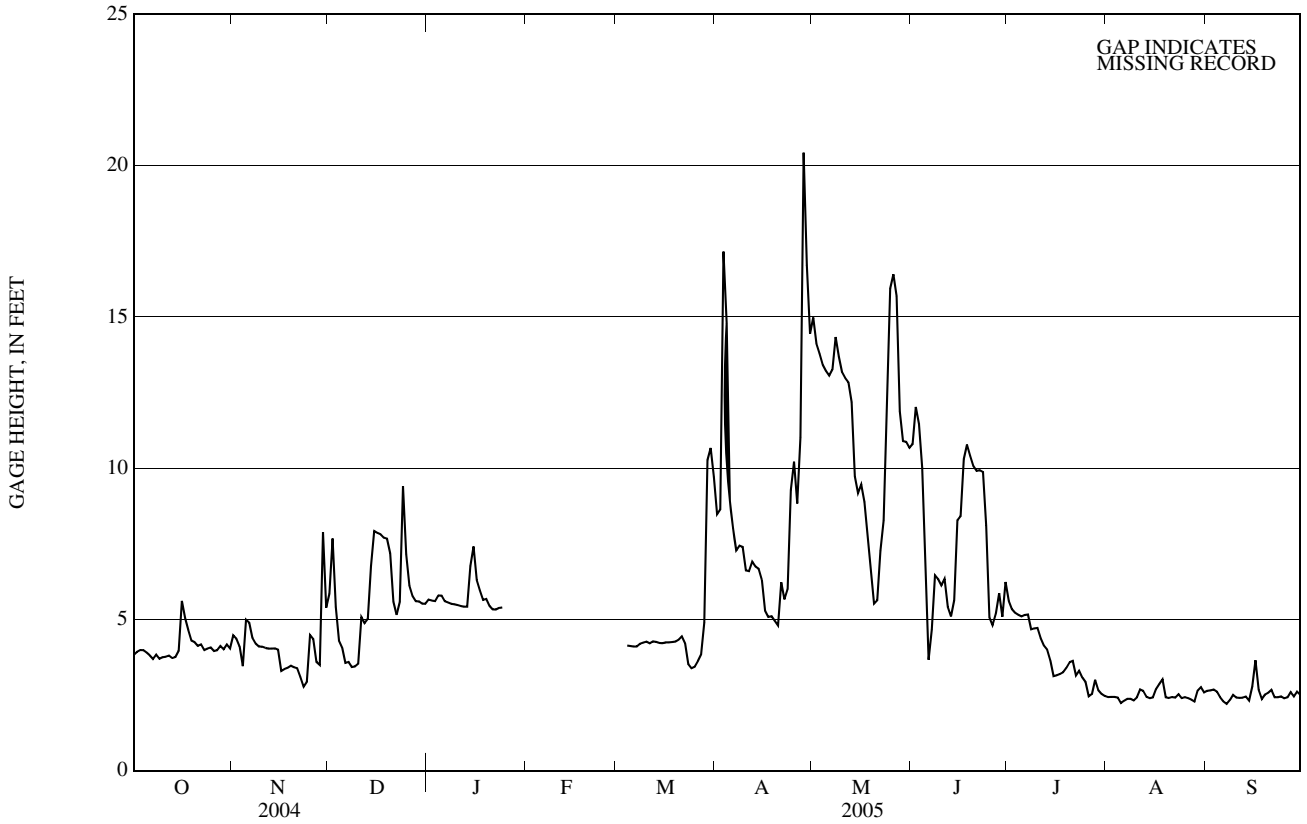
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 21.12 ft, Apr. 28, 2005; minimum gage height, 1.04 ft, May 21, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 21.12 ft, Apr. 28; minimum gage height, 1.33 ft, Sept. 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.83	4.47	5.85	5.65	---	---	8.48	14.98	10.79	5.62	2.43	2.64
2	3.93	4.36	7.67	5.62	---	---	8.64	14.12	12.02	5.34	2.44	2.66
3	3.99	4.10	5.41	5.61	---	---	17.16	13.78	11.46	5.22	2.44	2.68
4	3.98	3.45	4.30	5.79	---	4.14	14.79	13.41	10.01	5.15	2.42	2.61
5	3.90	4.99	4.07	5.79	---	4.12	8.92	13.21	7.36	5.10	2.23	2.43
6	3.81	4.89	3.56	5.60	---	4.10	8.00	13.06	3.67	5.14	2.31	2.29
7	3.69	4.38	3.59	5.56	---	4.10	7.28	13.26	4.66	5.16	2.38	2.21
8	3.83	4.20	3.43	5.52	---	4.19	7.44	14.34	6.46	4.67	2.38	2.33
9	3.70	4.10	3.44	5.50	---	4.23	7.39	13.69	6.33	4.70	2.32	2.51
10	3.75	4.10	3.53	5.47	---	4.26	6.62	13.17	6.13	4.72	2.42	2.42
11	3.76	4.06	5.08	5.44	---	4.21	6.60	12.98	6.34	4.38	2.68	2.41
12	3.80	4.04	4.88	5.42	---	4.27	6.91	12.84	5.42	4.13	2.63	2.41
13	3.72	4.03	5.01	5.42	---	4.26	6.75	12.18	5.10	4.00	2.44	2.45
14	3.75	4.04	6.77	6.76	---	4.22	6.68	9.72	5.63	3.65	2.39	2.32
15	3.96	4.00	7.92	7.41	---	4.22	6.31	9.17	8.27	3.13	2.42	2.78
16	5.61	3.29	7.86	6.30	---	4.24	5.29	9.45	8.41	3.15	2.70	3.65
17	5.05	3.36	7.81	5.96	---	4.24	5.08	8.88	10.30	3.20	2.87	2.67
18	4.66	3.40	7.70	5.64	---	4.25	5.11	7.66	10.78	3.25	3.01	2.37
19	4.30	3.47	7.67	5.68	---	4.27	4.95	6.56	10.41	3.40	2.43	2.52
20	4.25	3.42	7.18	5.45	---	4.33	4.80	5.52	10.07	3.58	2.40	2.57
21	4.12	3.39	5.59	5.33	---	4.44	6.22	5.63	9.91	3.63	2.43	2.67
22	4.17	3.09	5.15	5.33	---	4.21	5.66	7.27	9.93	3.15	2.41	2.43
23	3.98	2.78	5.58	5.38	---	3.52	6.00	8.27	9.87	3.31	2.53	2.43
24	4.04	2.93	9.40	5.40	---	3.38	9.28	11.74	8.09	3.08	2.39	2.45
25	4.07	4.49	7.16	---	---	3.43	10.21	15.94	5.07	2.93	2.43	2.39
26	3.95	4.35	6.12	---	---	3.62	8.83	16.41	4.81	2.46	2.39	2.42
27	3.98	3.59	5.77	---	---	3.84	11.01	15.69	5.18	2.53	2.35	2.60
28	4.12	3.49	5.60	---	---	4.89	20.42	11.88	5.86	3.00	2.28	2.46
29	4.01	7.88	5.59	---	---	10.27	16.71	10.90	5.09	2.66	2.65	2.61
30	4.17	5.39	5.52	---	---	10.67	14.45	10.87	6.23	2.54	2.76	2.51
31	4.04	---	5.52	---	---	9.71	---	10.67	---	2.47	2.59	---
MEAN	4.06	4.05	5.80	---	---	---	8.73	11.52	7.66	3.82	2.48	2.53
MAX	5.61	7.88	9.40	---	---	---	20.42	16.41	12.02	5.62	3.01	3.65
MIN	3.69	2.78	3.43	---	---	---	4.80	5.52	3.67	2.46	2.23	2.21

01064118 PRESUMPSCOT RIVER AT WESTBROOK, ME—Continued



01064500 SACO RIVER NEAR CONWAY, NH

LOCATION.--Lat 43° 59'27", long 71° 05'26", Carroll County, Hydrologic Unit 01060002, on left bank at Odell Falls, and 1.8 mi downstream from Swift River and Conway.

DRAINAGE AREA.--385 mi^2.

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. 15-23 and Dec. 26 to Mar. 9, which are fair. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,200 ft^3/s, Mar. 27, 1953, gage height, 17.20 ft; maximum gage height, 19.03 ft, Mar. 7, 1979 (backwater from ice); minimum discharge, 40 ft^3/s, Mar. 16, 1932, gage height, 1.61 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 29	0445	11,800	8.89	Apr 21	0800	9,940	8.36
Dec 24	0545	12,500	9.07	Apr 24	2100	*25,200	*12.11
Apr 3	1845	17,300	10.23	Apr 28	0600	13,900	9.44

Minimum discharge, 163 ft^3/s, Aug. 28, gage height, 2.25 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	325	369	3,190	e825	e486	e361	1,530	5,200	2,310	1,230	298	4,200
2	312	351	4,550	e803	e474	e358	1,550	3,690	1,930	911	357	1,270
3	313	403	2,660	e792	e469	e353	9,650	2,930	1,660	717	362	766
4	302	486	2,020	e792	e463	e345	7,490	2,430	1,480	606	335	553
5	287	567	1,670	e735	e461	e344	4,100	2,140	1,330	542	290	458
6	274	679	1,330	e675	e457	e341	3,640	1,880	1,210	664	312	387
7	270	597	1,270	e657	e455	e337	3,870	1,750	1,210	1,180	287	341
8	265	598	1,260	e640	e453	e335	4,280	1,890	1,070	803	256	311
9	260	537	1,210	e613	e469	e332	4,090	1,670	965	955	239	290
10	255	456	1,090	e584	e527	e408	3,570	1,660	1,120	1,240	235	266
11	246	435	1,120	e561	e471	e408	3,530	1,780	1,280	1,230	228	250
12	238	419	1,050	e546	e444	e398	2,780	2,080	1,090	892	213	238
13	234	397	962	e534	e433	e395	2,290	1,530	933	713	210	225
14	230	363	881	e1,780	e409	e391	2,140	1,260	921	624	206	215
15	269	373	e749	e1,540	e472	e387	2,120	1,270	1,830	831	232	241
16	1,130	360	e684	e1,210	e517	e374	2,040	2,040	1,490	687	248	289
17	931	353	e648	e977	e670	e363	2,270	1,500	1,660	554	215	348
18	604	348	e622	e723	e558	e355	2,840	1,290	1,920	527	197	362
19	475	348	e593	e600	e471	e344	2,810	1,160	2,370	655	185	319
20	421	352	e571	e627	e445	e323	3,710	1,080	1,570	970	185	290
21	389	355	e551	e591	e408	e319	7,160	1,030	1,260	638	210	281
22	369	361	e542	e580	e394	e337	3,650	1,670	1,120	516	253	251
23	354	368	e635	e595	e374	e359	3,240	2,530	993	614	212	224
24	343	360	7,250	e584	e362	e355	13,400	6,000	879	476	188	213
25	334	3,100	2,540	e565	e363	e355	9,940	4,260	793	419	185	205
26	326	2,670	e1,670	e543	e352	e348	4,490	5,390	714	391	177	215
27	311	1,420	e1,300	e533	e352	e355	4,500	5,250	673	366	168	537
28	299	1,540	e1,100	e519	e351	e505	11,300	3,350	700	356	167	454
29	291	7,550	e979	e518	---	e1,170	5,750	2,700	728	335	246	362
30	287	3,050	e880	e512	---	1,430	4,030	3,380	712	312	475	793
31	317	---	e846	e499	---	1,500	---	2,990	---	293	955	---
TOTAL	11,261	29,565	46,423	22,253	12,560	14,285	137,760	78,780	37,921	21,247	8,326	15,154
MEAN	363	986	1,498	718	449	461	4,592	2,541	1,264	685	269	505
MAX	1,130	7,550	7,250	1,780	670	1,500	13,400	6,000	2,370	1,240	955	4,200
MIN	230	348	542	499	351	319	1,530	1,030	673	293	167	205
CFSM	0.94	2.56	3.89	1.86	1.17	1.20	11.9	6.60	3.28	1.78	0.70	1.31
IN.	1.09	2.86	4.49	2.15	1.21	1.38	13.31	7.61	3.66	2.05	0.80	1.46

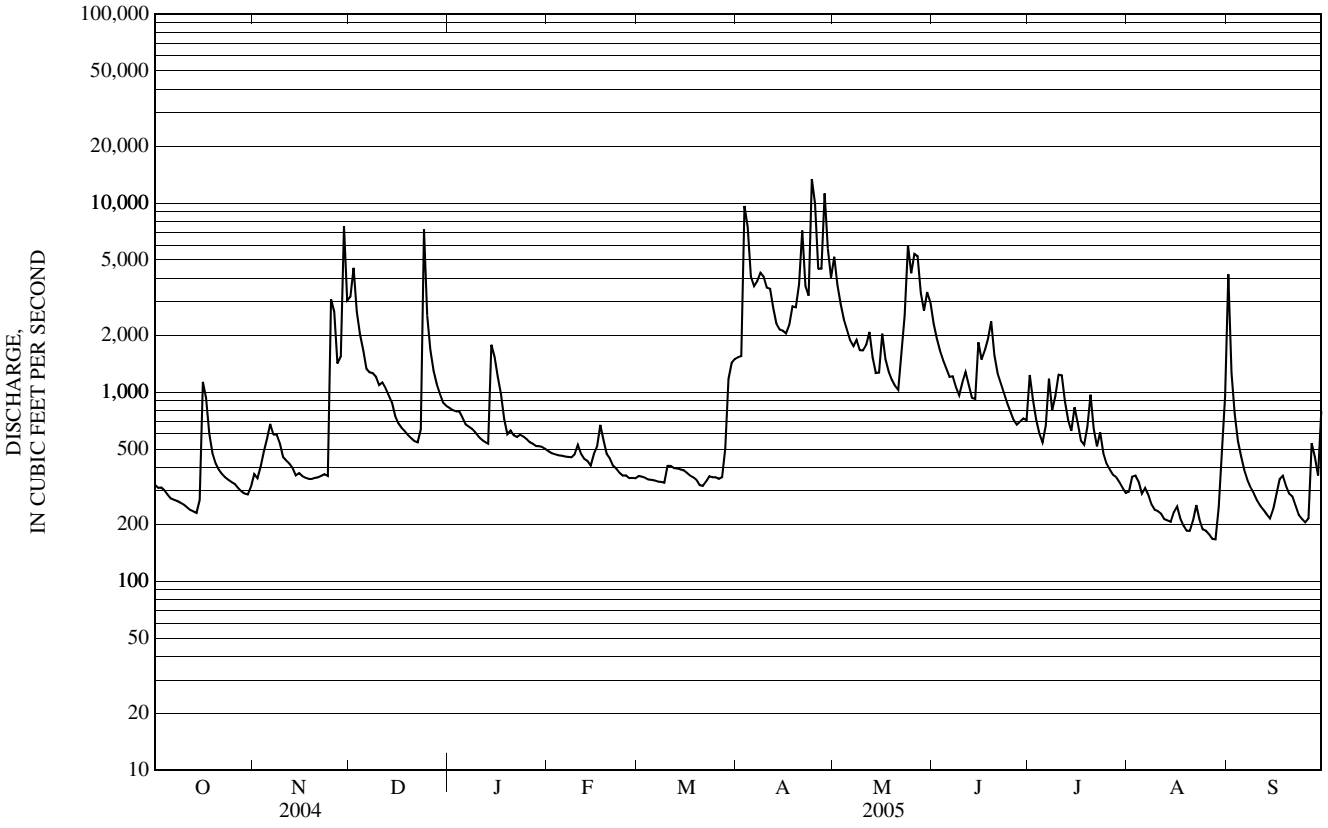
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2005, BY WATER YEAR (WY)

MEAN	648	958	791	570	501	957	2,639	2,206	847	438	362	398
MAX	2,369	2,493	2,886	1,887	3,170	5,986	4,592	4,609	3,644	2,043	1,685	1,794
(WY)	(1978)	(1908)	(2004)	(1986)	(1981)	(1936)	(2005)	(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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1904 - 2005	
ANNUAL TOTAL	314,742		435,535			
ANNUAL MEAN	860		1,193		944	
HIGHEST ANNUAL MEAN					1,463	1973
LOWEST ANNUAL MEAN					489	1965
HIGHEST DAILY MEAN	7,550	Nov 29	13,400	Apr 24	33,900	Mar 19, 1936
LOWEST DAILY MEAN	191	Aug 11	167	Aug 28	66	Aug 4, 1959
ANNUAL SEVEN-DAY MINIMUM	218	Aug 5	192	Aug 23	74	Aug 3, 1959
MAXIMUM PEAK FLOW			25,200	Apr 24	47,200	Mar 27, 1953
MAXIMUM PEAK STAGE			12.11	Apr 24	19.03	Mar 7, 1979
INSTANTANEOUS LOW FLOW			163	Aug 28	40	Mar 16, 1932
ANNUAL RUNOFF (CFSM)	2.23		3.10		2.45	
ANNUAL RUNOFF (INCHES)	30.41		42.08		33.30	
10 PERCENT EXCEEDS	1,740		2,950		2,170	
50 PERCENT EXCEEDS	508		565		461	
90 PERCENT EXCEEDS	275		256		185	



01066000 SACO RIVER AT CORNISH, ME

LOCATION.--Lat 43° 48'29", long 70° 46'54", 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 mi^2.

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 period of ice effect, Dec. 19 to Apr. 2, which is 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 ft^3. 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 ft^3/s, Mar. 21-22, 1936, gage height, 21.90 ft (from floodmarks); minimum daily discharge, 244 ft^3/s, Oct. 7, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,100 ft^3/s, May 1, gage height, 11.21 ft; minimum daily discharge, 517 ft^3/s, Aug. 28.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	891	773	5,310	e3,090	e1,620	e1,460	e4,310	16,600	9,240	2,590	1,010	1,830
2	930	864	6,680	e3,100	e1,520	e1,430	e5,290	15,200	8,650	2,810	1,030	3,220
3	858	961	7,220	e3,100	e1,450	e1,350	9,940	13,900	7,970	2,840	982	2,880
4	835	948	7,650	e3,120	e1,390	e1,300	11,100	12,300	7,220	2,720	943	1,770
5	820	1,170	7,590	e3,120	e1,360	e1,290	12,900	10,900	6,400	2,090	985	1,620
6	817	1,390	7,400	e3,100	e1,310	e1,290	14,900	9,650	5,680	2,200	957	1,550
7	776	1,400	7,210	e2,970	e1,300	e1,330	15,200	8,750	4,590	2,260	873	1,260
8	775	1,390	6,330	e2,910	e1,260	e1,350	14,700	8,160	4,300	2,310	944	1,310
9	736	1,380	5,750	e2,900	e1,220	e1,290	14,100	7,390	4,010	2,670	839	1,150
10	741	1,370	5,260	e2,800	e1,270	e1,210	13,500	6,650	3,880	2,790	827	1,020
11	771	1,390	5,340	e2,680	e1,340	e1,210	12,900	5,840	3,820	2,720	818	954
12	721	1,360	5,090	e2,550	e1,440	e1,290	12,200	5,490	3,890	2,530	766	984
13	664	1,300	4,650	e2,410	e1,390	e1,370	11,400	5,160	3,880	2,150	706	1,430
14	668	1,230	4,310	e2,470	e1,360	e1,440	10,500	4,830	4,210	1,980	677	1,200
15	682	1,200	3,890	e2,580	e1,560	e1,450	9,540	4,590	4,400	1,920	812	1,250
16	1,270	1,230	3,550	e2,710	e1,770	e1,400	8,660	4,440	4,360	2,040	745	1,290
17	1,480	1,200	3,310	e2,580	e2,030	e1,330	7,910	4,230	4,580	1,980	738	1,380
18	1,660	1,160	3,030	e2,460	e2,120	e1,300	7,340	4,130	4,780	1,940	713	1,320
19	1,650	1,170	e2,730	e2,020	e2,020	e1,270	6,880	4,040	4,880	1,880	695	1,340
20	1,490	981	e2,520	e1,740	e1,920	e1,260	6,660	3,520	4,980	1,830	610	1,300
21	1,380	1,040	e2,220	e1,740	e1,840	e1,260	7,110	3,210	4,840	1,940	652	1,220
22	1,260	1,130	e2,160	e1,740	e1,790	e1,270	7,340	3,480	4,720	1,830	682	1,180
23	1,140	1,080	e2,000	e1,720	e1,790	e1,300	7,960	4,190	4,270	1,760	596	1,120
24	1,150	996	e3,060	e1,710	e1,670	e1,310	9,260	6,260	3,890	1,560	648	991
25	1,080	1,510	e2,800	e1,840	e1,600	e1,340	10,200	7,310	3,410	1,540	657	928
26	928	2,070	e3,110	e1,870	e1,560	e1,370	12,700	8,880	3,230	1,310	570	886
27	841	2,590	e3,010	e1,830	e1,500	e1,430	14,300	10,200	3,010	1,350	561	827
28	786	2,640	e3,060	e1,810	e1,480	e1,640	15,400	10,500	2,390	1,240	517	909
29	844	3,980	e2,990	e1,790	---	e2,590	15,900	10,500	2,380	1,170	597	1,040
30	771	4,510	e3,100	e1,760	---	e3,400	16,700	10,300	2,550	923	776	1,050
31	792	---	e3,060	e1,700	---	e3,910	---	9,810	---	1,010	852	---
TOTAL	30,207	45,413	135,390	73,920	43,880	47,440	326,800	240,410	140,410	61,883	23,778	40,209
MEAN	974	1,514	4,367	2,385	1,567	1,530	10,890	7,755	4,680	1,996	767	1,340
MAX	1,660	4,510	7,650	3,120	2,120	3,910	16,700	16,600	9,240	2,840	1,030	3,220
MIN	664	773	2,000	1,700	1,220	1,210	4,310	3,210	2,380	923	517	827

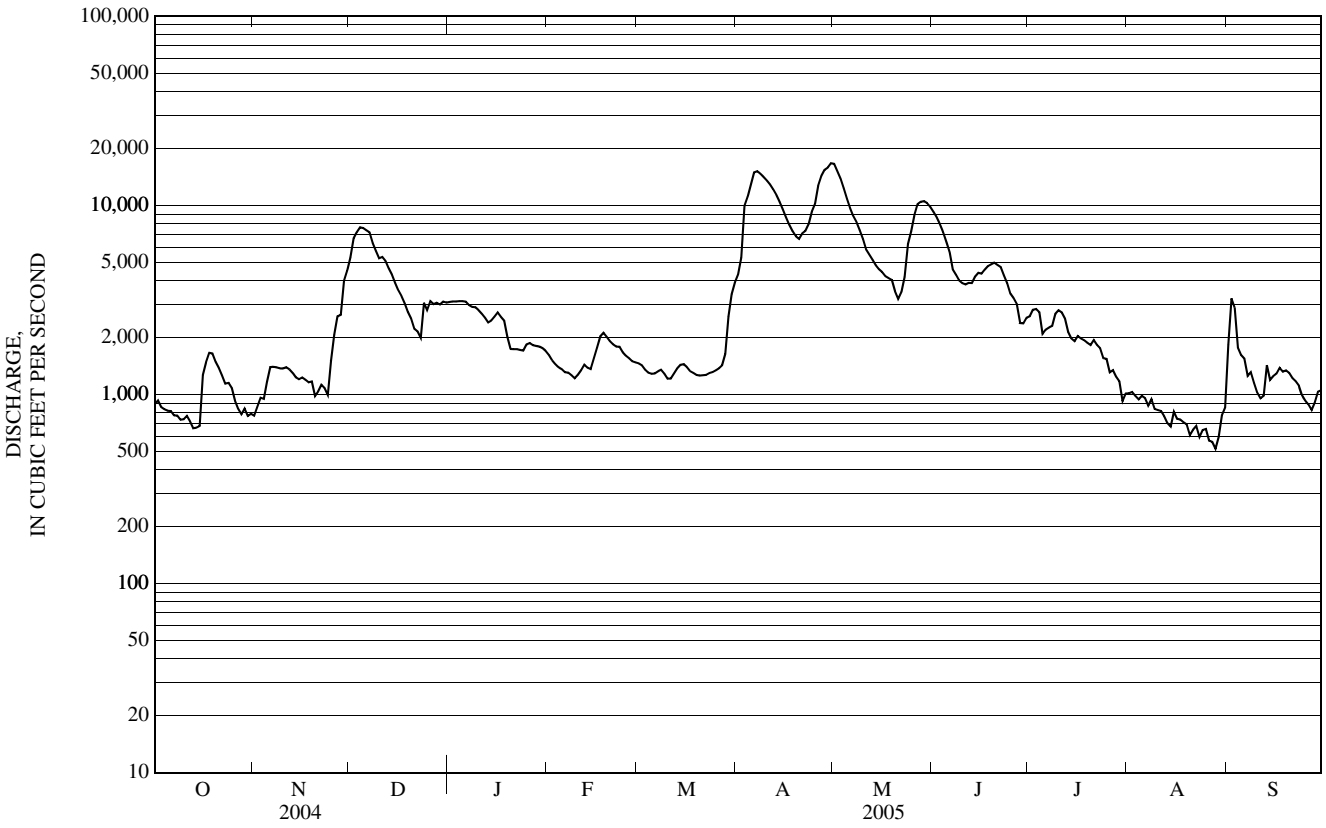
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2005, BY WATER YEAR (WY)

MEAN	1,528	2,424	2,601	1,988	1,905	3,165	7,335	5,459	2,589	1,413	1,060	1,058
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1916 - 2005	
ANNUAL TOTAL	857,925		1,209,740			
ANNUAL MEAN	2,344		3,314		2,706	
HIGHEST ANNUAL MEAN					4,076	1973
LOWEST ANNUAL MEAN					1,372	1965
HIGHEST DAILY MEAN	8,110	Apr 6	16,700	Apr 30	45,600	Mar 21, 1936
LOWEST DAILY MEAN	573	Aug 12	517	Aug 28	244	Oct 7, 1964
ANNUAL SEVEN-DAY MINIMUM	617	Aug 6	592	Aug 23	261	Sep 9, 2002
MAXIMUM PEAK FLOW			17,100	May 1	46,600	Mar 21, 1936
MAXIMUM PEAK STAGE			11.21	May 1	21.90	Mar 21, 1936
10 PERCENT EXCEEDS	5,270		8,360		6,140	
50 PERCENT EXCEEDS	1,560		1,810		1,680	
90 PERCENT EXCEEDS	840		827		670	



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 mi^2.

PERIOD OF RECORD.--
DISCHARGE: October 1968 to June 2005 (discontinued).

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, except for periods of doubtful stage-discharge relation, Dec. 2-6, Mar. 31 to May 13, and May 24 to June 1, which are fair. 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 ft^3.

EXTREMETS FOR PERIOD OF RECORD.--Maximum discharge, 4,000 ft^3/s, Apr. 6, 1984, gage height, 6.70 ft; minimum daily discharge, 14 ft^3/s (corrected), Sept. 19-22, 2002 and Oct. 2-3, 2002.

EXTREMES FOR PERIOD.--Oct. 2004 to June 2005, maximum discharge, 2,080 ft^3/s, Apr. 4, gage height, 5.46 ft; minimum daily discharge, 41 ft^3/s, Oct. 6.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	156	211	493	276	140	132	962	764	510	---	---	---
2	197	134	660	272	137	133	917	448	409	---	---	---
3	195	87	651	268	133	132	1,350	307	321	---	---	---
4	101	95	521	267	134	130	1,930	398	285	---	---	---
5	44	96	460	264	133	128	1,800	395	267	---	---	---
6	41	98	388	256	131	126	1,460	350	244	---	---	---
7	83	104	287	247	130	125	1,330	366	225	---	---	---
8	164	140	281	238	129	126	1,190	383	211	---	---	---
9	164	157	276	229	127	130	1,100	383	171	---	---	---
10	164	155	275	221	133	130	1,020	337	175	---	---	---
11	193	154	285	212	144	130	750	241	202	---	---	---
12	216	120	307	204	149	133	439	e250	207	---	---	---
13	214	96	321	198	151	135	404	e265	198	---	---	---
14	221	95	320	200	149	132	408	248	217	---	---	---
15	228	95	311	231	154	132	411	245	309	---	---	---
16	246	95	244	250	200	129	389	250	319	---	---	---
17	268	95	212	256	239	129	379	256	305	---	---	---
18	270	95	213	250	251	126	297	253	320	---	---	---
19	259	94	216	239	251	125	290	251	321	---	---	---
20	253	94	224	232	243	124	235	229	250	---	---	---
21	252	94	242	195	234	124	392	216	210	---	---	---
22	248	75	255	153	223	126	504	266	216	---	---	---
23	242	62	259	155	215	130	480	435	214	---	---	---
24	235	63	338	153	158	134	556	874	199	---	---	---
25	231	66	444	153	132	138	825	1,240	179	---	---	---
26	230	74	436	154	132	143	879	1,400	163	---	---	---
27	225	79	379	153	132	147	739	1,340	120	---	---	---
28	219	87	330	150	130	217	849	1,050	92	---	---	---
29	216	311	313	149	---	388	909	659	109	---	---	---
30	214	518	300	144	---	728	806	575	155	---	---	---
31	214	---	283	143	---	956	---	604	---	---	---	---
TOTAL	6,203	3,739	10,524	6,512	4,614	5,818	24,000	15,278	7,123	---	---	---
MEAN	200	125	339	210	165	188	800	493	237	---	---	---
MAX	270	518	660	276	251	956	1,930	1,400	510	---	---	---
MIN	41	62	212	143	127	124	235	216	92	---	---	---

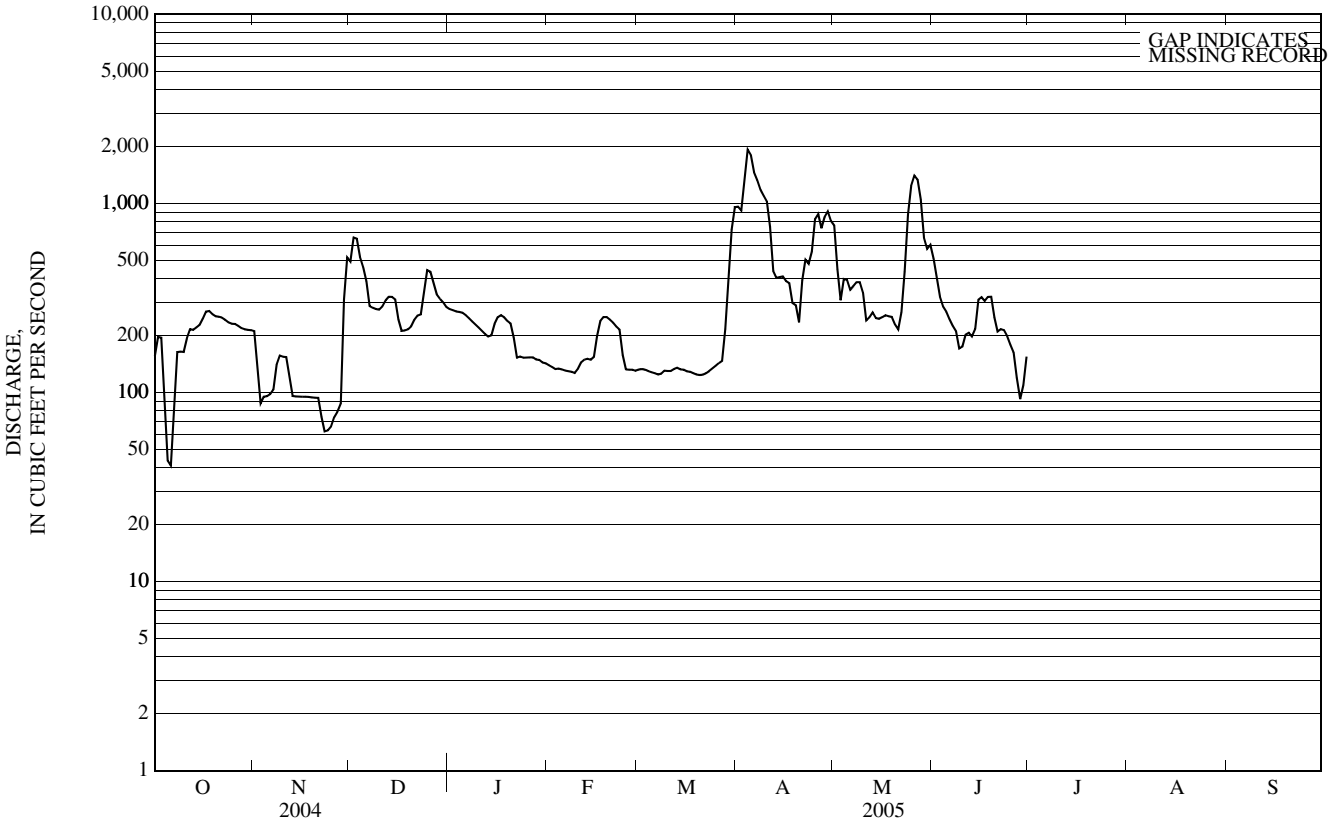
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	179	196	226	173	178	302	440	232	136	64.9	62.7	75.3
MAX	499	487	604	384	439	720	908	493	650	181	165	162
(WY)	(1978)	(1996)	(1984)	(1978)	(1970)	(1979)	(1969)	(2005)	(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 2004 CALENDAR YEAR		WATER YEARS 1969 - 2005	
ANNUAL TOTAL	64,012			
ANNUAL MEAN	175		187	
HIGHEST ANNUAL MEAN			307	1984
LOWEST ANNUAL MEAN			94.7	2002
HIGHEST DAILY MEAN	1,210	Apr 3	3,220	Mar 15, 1977
LOWEST DAILY MEAN	36	Jun 22	14	Sep 19, 2002
ANNUAL SEVEN-DAY MINIMUM	41	Aug 6	14	Sep 16, 2002
MAXIMUM PEAK FLOW			4,000	Apr 6, 1984
MAXIMUM PEAK STAGE			6.70	Apr 6, 1984
10 PERCENT EXCEEDS	341		396	
50 PERCENT EXCEEDS	122		131	
90 PERCENT EXCEEDS	44		37	



As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the U.S. Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are sometimes made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

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Stream	Tributary to	Location	Drainage area (mi^2)	Measured Previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
ST. JOHN RIVER BASIN						
Prestile Stream 01017560	St. John River	Lat 46° 30' 34", long 67° 51'13", Aroostook County, at outfall of Mars Hill wastewater treatment plant, 0.3 mi downstream from Rocky Brook, near Mars Hill, Maine.	86.3	1991, 1998-2005	11-08-04 05-18-05 07-28-05	63.6 231 50.7
Meduxnekeag River 01017970	St. John River	Lat 46° 06'07", long 67° 52'22", Aroostook County, at Porter Settlement Rd., off U.S. Route 2A, upstream of confluence with South Branch Meduxnekeag River, near Houlton, Maine.	106	2005	06-24-05 07-21-05 07-23-05 08-18-05 09-15-05	112 41.1 63.7 5.85 17.4
B-Stream 01018010	Meduxnekeag River	Lat 46° 07'48", long 67° 50'53", Aroostook County, at U.S. Route 2 Bridge, 300 ft upstream of confluence with Meduxnekeag River, at Houlton, Maine.	45.3	2005	06-24-05 07-21-05 07-23-05 08-18-05 09-15-05	39.5 25.3 57.1 4.83 12.3
Pearce Brook 01018012	Meduxnekeag River	Lat 46° 07'30", long 67° 50'43", Aroostook County, 40 ft upstream of confluence with Meduxnekeag River, 500 ft upstream of U.S. Route 1, at Houlton, Maine.	8.04	2005	07-21-05 09-15-05	2.41 1.14
DENNYS RIVER BASIN						
Dead Stream 01021150	Dennys River	Lat 45° 00'19", long 67° 24'59", Washington County, 30 ft upstream of bridge on State Route 191, 3.0 mi upstream from confluence with Dennys River, at Cooper, Maine	6.51	2005	05-13-05 06-21-05 07-11-05 08-18-05	12.7 8.47 0.59 0.07
Curry Brook 01021170	Dennys River	Lat 44° 56'25", long 67° 18'14", Washington County, upstream end of culvert on Venture Brook Road, 0.1 mi upstream from confluence with Dennys River, near Dennysville, Maine	3.65	2005	05-13-05 06-22-05 08-18-05 08-18-05	9.13 3.82 0.07 0.06
Venture Brook 01021190	Dennys River	Lat 44° 54'14", long 67° 17'15", Washington County, 10 ft upstream of bridge on unnamed road, 1.3 mi upstream from the confluence with Dennys River, near Dennysville, Maine	3.13	2000-2002, 2005	05-13-05 06-22-05 08-18-05	5.87 1.91 0.04
KENNEBEC RIVER BASIN						
Twentyfive Mile Stream 01049115	Sebasticook River	Lat 44° 37'32", long 69° 21'29", Kennebec County, just below bridge on the Horseback Road, 0.9 mi north of Route 139, near Unity, Maine.	131	1985, 1994, 1997-2005	07-27-05 08-17-05 08-17-05	58.7 30.2 30.5
MOUSAM RIVER BASIN						
Mousam River 01068910	Atlantic Ocean	Lat 43° 25'06", long 70° 44'19", York County, at State Route 4 bridge, 4.2 mi upstream from Estes Lake, in Sanford, Maine.	44.0	1995 1997-2005	08-10-05 08-10-05 09-12-05 09-12-05	47.7 45.9 24.9 23.4
Mousam River 01069600	Atlantic Ocean	Lat 43° 23'05", long 70° 32'34", York County, 500 ft below U.S. Route 1 Bridge in Kennebunk, Maine.	108	1999-2005	08-10-05	174
PISCATAQUA RIVER BASIN						
Great Works River 01072660	Salmon Falls River	Lat 43° 17'54", long 70° 44'19", York County, at abandoned railraod crossing at North Berwick Sewage Treatment Plant, 1 mi south of North Berwick, Maine.	44.8	1994, 1999-2001, 2003-2005	11-03-04 08-10-05 09-12-05 09-12-05	56.5 15.4 7.84 8.46

ANDROSCOGGIN COUNTY

440213070203201 Local number, ANW 1135

LOCATION.--Lat 44° 02'13", long 70° 20'32" (NAD 27), 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.

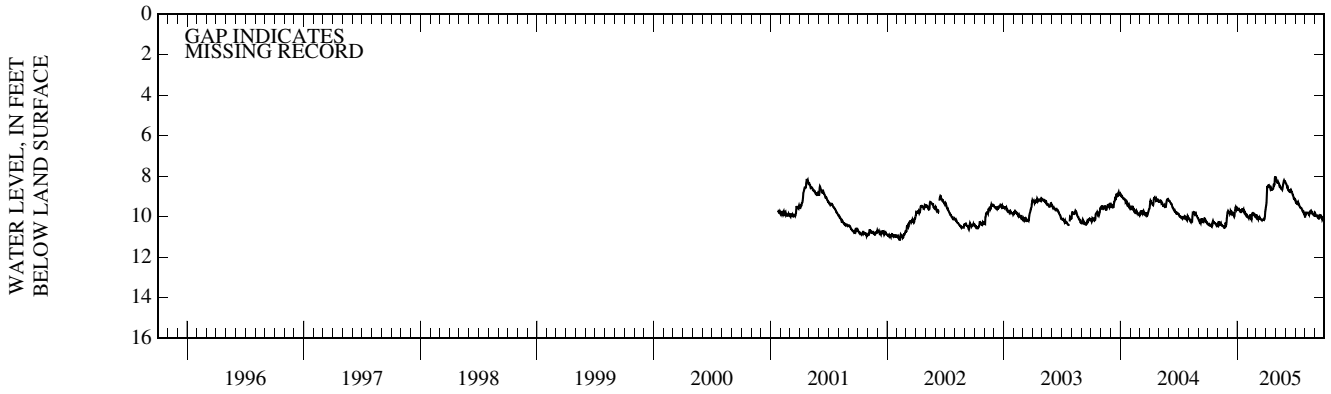
DATUM.--Elevation of land-surface datum is 310 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.70 ft above land-surface datum. Land-surface datum is at the general land surface.

PERIOD OF RECORD.--January 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.90 ft below land-surface datum, Apr. 29, 2005; lowest recorded, 11.17 ft below land-surface datum, Feb. 9, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.38	10.47	9.78	9.63	9.98	9.89	9.43	8.03	8.34	9.15	10.03	9.80
2	10.38	10.47	9.76	9.69	10.01	9.95	9.32	8.10	8.36	9.19	9.83	9.84
3	10.37	10.41	9.72	9.60	9.99	10.04	8.87	8.16	8.39	9.29	9.86	9.89
4	10.37	10.39	9.75	9.62	9.99	10.08	8.55	8.25	8.42	9.30	9.87	9.95
5	10.43	10.23	9.78	9.65	10.03	10.08	8.56	8.31	8.50	9.31	9.81	9.97
6	10.43	10.27	9.86	9.63	10.07	10.08	8.54	8.32	8.55	9.34	9.80	9.97
7	10.44	10.29	9.81	9.65	10.01	10.11	8.46	8.29	8.53	9.37	9.80	9.95
8	10.43	10.35	9.74	9.69	10.00	10.02	8.46	8.25	8.63	9.38	9.81	9.95
9	10.41	10.40	9.86	9.71	10.03	10.03	8.48	8.29	8.69	9.28	9.81	9.99
10	10.42	10.39	9.83	9.65	9.96	10.09	8.46	8.34	8.70	9.25	9.81	10.04
11	10.45	10.35	9.71	9.75	9.88	10.10	8.50	8.37	8.72	9.31	9.84	10.05
12	10.41	10.42	9.74	9.76	9.98	10.04	8.49	8.46	8.75	9.38	9.87	10.02
13	10.45	10.42	9.74	9.72	10.11	10.08	8.53	8.50	8.77	9.39	9.84	10.09
14	10.47	10.43	9.82	9.71	10.13	10.10	8.61	8.49	8.78	9.42	9.88	10.09
15	10.43	10.43	9.86	9.72	9.98	10.13	8.67	8.52	8.71	9.48	9.79	10.07
16	10.24	10.45	9.84	9.65	9.88	10.14	8.65	8.54	8.67	9.52	9.74	10.00
17	10.20	10.46	9.85	9.59	9.83	10.15	8.60	8.59	8.65	9.55	9.73	9.93
18	10.24	10.46	9.91	9.68	9.82	10.16	8.65	8.62	8.69	9.56	9.79	9.94
19	10.27	10.49	9.85	9.68	9.86	10.18	8.67	8.62	8.76	9.56	9.80	9.98
20	10.27	10.53	9.89	9.64	9.88	10.16	8.67	8.64	8.79	9.56	9.78	9.96
21	10.29	10.53	9.96	9.75	9.86	10.15	8.66	8.67	8.80	9.59	9.73	9.98
22	10.32	10.51	10.0	9.78	9.85	10.15	8.63	8.58	8.86	9.62	9.77	10.02
23	10.32	10.53	9.93	9.72	9.87	10.13	8.61	8.51	8.93	9.67	9.83	10.06
24	10.32	10.51	9.76	9.74	9.94	10.10	8.49	8.40	8.95	9.71	9.86	10.15
25	10.35	10.28	9.67	9.79	9.91	10.11	8.37	8.34	8.99	9.71	9.87	10.12
26	10.37	10.36	9.56	9.84	9.94	10.14	8.45	8.24	9.07	9.76	9.87	10.05
27	10.40	10.39	9.51	9.92	9.97	10.10	8.42	8.20	9.13	9.79	9.90	10.10
28	10.43	10.29	9.55	9.94	10.00	9.98	8.10	8.24	9.12	9.83	9.92	10.18
29	10.41	10.08	9.55	9.88	---	9.75	8.02	8.27	9.14	9.84	9.90	10.12
30	10.40	9.96	9.64	9.89	---	9.65	8.07	8.26	9.16	9.90	9.85	10.15
31	10.37	---	9.60	9.97	---	9.53	---	8.30	---	9.93	9.78	---
MAX	10.47	10.53	10.00	9.97	10.13	10.18	9.43	8.67	9.16	9.93	10.03	10.18
MIN	10.20	9.96	9.51	9.59	9.82	9.53	8.02	8.03	8.34	9.15	9.73	9.80



AROOSTOOK COUNTY

471457068353001 Local number, ARW 890

LOCATION.--Lat 47° 14'57", long 68° 35'30" (NAD 27), 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. Prior to Sept. 23, 2003, floor of recorder shelter at land-surface datum, which was 3.0 ft above the general land surface.

REMARKS.--Missing record, Aug. 10-16.

PERIOD OF RECORD.--November 1976 to current year.

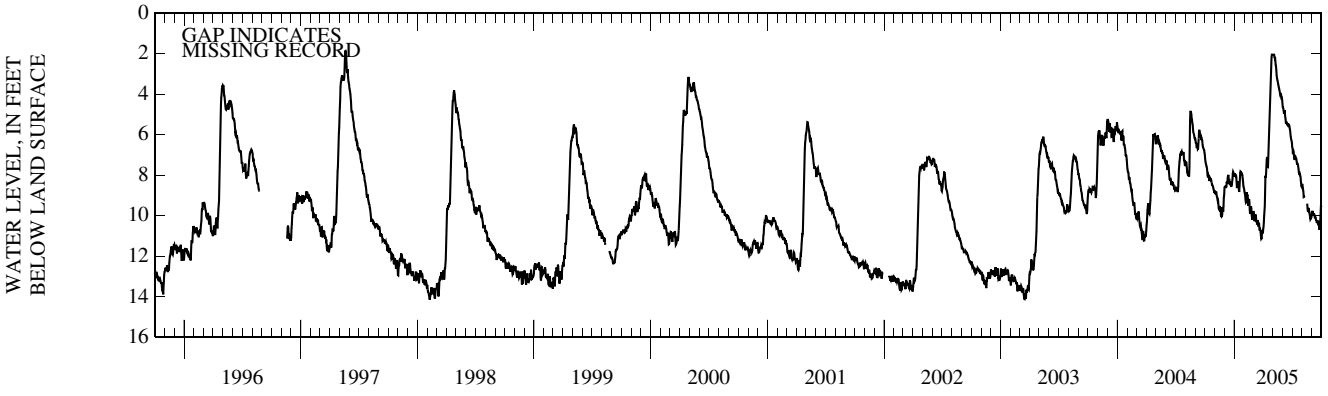
REVISED RECORDS.--WDR ME-84-1: 1980, 1981.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.17	8.82	8.62	7.90	8.77	9.89	10.66	2.05	4.61	6.60	8.47	9.81
2	7.32	8.88	8.57	8.07	8.86	9.77	10.56	2.05	4.66	6.68	8.43	9.81
3	7.42	8.83	8.56	7.93	8.90	9.90	10.33	2.05	4.72	6.88	8.59	9.77
4	7.46	8.95	8.55	8.04	9.08	10.06	9.99	2.05	4.83	6.86	8.72	9.85
5	7.56	8.81	8.55	8.09	9.26	10.27	9.79	2.05	4.96	6.84	8.79	9.89
6	7.59	8.93	8.62	7.98	9.35	10.19	9.53	2.14	4.89	6.95	9.06	9.91
7	7.70	9.05	8.58	8.11	9.32	10.20	8.72	2.21	4.79	7.08	9.04	9.92
8	7.88	9.06	8.32	8.39	9.10	9.98	8.02	2.17	4.99	7.18	9.07	9.93
9	7.99	9.18	8.38	8.64	8.84	9.98	8.13	2.37	5.14	7.25	9.10	9.99
10	8.07	9.27	8.43	8.41	9.00	10.19	7.93	2.55	5.25	7.04	---	10.12
11	8.07	9.25	8.13	8.39	8.96	10.29	7.61	2.63	5.46	7.05	---	10.08
12	7.99	9.43	8.05	8.42	9.12	10.31	7.24	2.82	5.41	7.11	---	10.08
13	8.03	9.64	7.98	8.35	9.43	10.41	7.10	3.07	5.40	7.16	---	10.17
14	8.20	9.67	8.13	8.30	9.51	10.40	7.29	3.21	5.48	7.18	---	10.20
15	8.29	9.60	8.28	8.73	9.26	10.22	7.56	3.28	5.50	7.32	---	10.24
16	8.17	9.59	8.33	8.82	9.17	10.28	7.58	3.34	5.51	7.43	---	10.35
17	8.14	9.65	8.31	8.59	9.33	10.53	7.25	3.43	5.54	7.42	m9.40	10.31
18	8.18	9.61	8.50	8.22	9.71	10.46	6.73	3.52	5.44	7.43	9.61	10.25
19	8.23	9.63	8.45	7.94	9.91	10.35	6.12	3.60	5.51	7.48	9.77	10.34
20	8.22	9.99	8.38	7.82	9.79	10.60	5.54	3.68	5.58	7.59	9.77	10.30
21	8.29	10.02	8.39	7.83	9.69	10.73	5.01	3.75	5.51	7.71	9.62	10.29
22	8.37	9.92	8.58	7.90	9.54	10.67	4.61	3.83	5.59	7.86	9.67	10.32
23	8.47	10.06	8.48	7.92	9.65	10.71	4.29	3.89	5.70	7.94	9.76	10.42
24	8.47	9.91	8.46	7.91	9.95	10.82	3.97	4.03	5.78	7.96	9.87	10.69
25	8.50	9.58	8.33	7.95	10.10	11.01	3.52	4.09	5.95	7.93	9.96	10.59
26	8.55	9.66	8.19	8.02	10.19	11.14	2.77	4.08	6.10	8.00	10.08	10.35
27	8.63	9.80	7.92	8.19	10.12	11.11	2.20	4.06	6.20	8.04	10.18	10.20
28	8.70	9.53	7.82	8.31	10.10	10.92	2.05	4.19	6.25	8.25	10.15	9.86
29	8.74	9.09	7.86	8.52	---	10.70	2.05	4.17	6.31	8.41	10.11	9.49
30	8.88	8.99	8.04	8.60	---	10.80	2.05	4.23	6.45	8.53	10.08	9.57
31	8.75	---	7.97	8.64	---	10.87	---	4.45	---	8.56	9.99	---
MAX	8.88	10.06	8.62	8.82	10.19	11.14	10.66	4.45	6.45	8.56	---	10.69
MIN	7.17	8.81	7.82	7.82	8.77	9.77	2.05	2.05	4.61	6.60	---	9.49

m Measured



AROOSTOOK COUNTY—Continued

464259067572901 Local number, ARW 906

LOCATION.--Lat 46° 42'59", long 67° 57'29" (NAD 27), 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, Top of casing 2.88 ft above land-surface datum. Land-surface datum is at the general land surface.

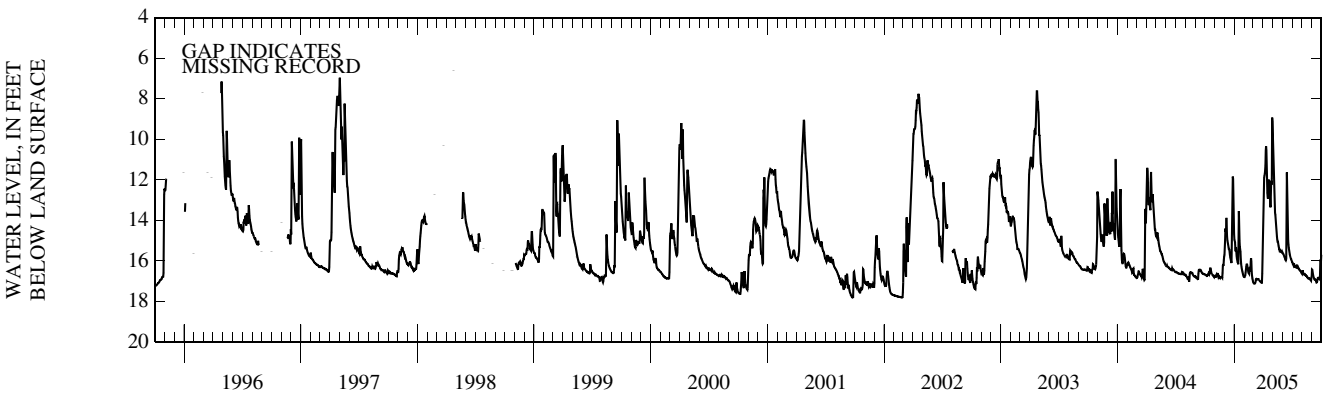
REMARKS.--Water levels affected by the nearby Aroostook River.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.68	16.74	15.71	14.95	16.78	17.04	14.22	9.76	15.60	16.06	16.64	16.42
2	16.68	16.76	15.26	14.99	16.79	17.09	13.70	10.57	15.63	16.09	16.56	16.44
3	16.69	16.77	14.96	15.09	16.76	17.11	12.91	11.31	15.66	16.13	16.47	16.55
4	16.70	16.78	14.39	15.35	16.69	17.11	11.90	11.97	15.69	16.17	16.54	16.65
5	16.71	16.79	14.56	15.53	16.58	17.11	11.79	12.55	15.73	16.21	16.59	16.74
6	16.73	16.68	14.51	15.33	16.43	17.11	11.71	13.01	15.78	16.12	16.62	16.79
7	16.74	16.66	13.88	15.56	16.29	17.11	11.53	13.36	15.81	16.18	16.66	16.83
8	16.74	16.69	14.28	15.76	16.20	17.06	11.28	13.63	15.86	16.24	16.68	16.88
9	16.71	16.74	14.78	15.89	16.14	16.95	10.56	13.73	15.92	16.28	16.69	16.92
10	16.69	16.60	14.98	15.97	16.21	16.89	10.34	13.95	15.96	16.27	16.70	16.92
11	16.68	16.72	15.07	16.07	16.30	16.88	10.53	14.14	15.98	16.29	16.67	16.93
12	16.65	16.78	15.16	16.08	16.39	16.90	11.36	14.35	15.92	16.30	16.70	16.93
13	16.58	16.73	15.25	16.16	16.49	16.91	12.13	14.58	14.09	16.32	16.72	16.94
14	16.60	16.78	15.34	14.66	16.57	16.92	12.64	14.80	11.63	16.32	16.73	17.01
15	16.65	16.82	15.46	13.54	16.61	16.92	12.85	14.96	13.31	16.18	16.75	17.07
16	16.59	16.82	15.41	14.30	16.64	16.89	12.94	15.06	14.17	16.25	16.77	17.06
17	16.39	16.81	15.57	14.98	16.36	16.90	12.46	15.05	14.66	16.31	16.78	17.03
18	16.33	16.84	15.71	15.30	16.35	16.90	11.99	15.16	14.98	16.35	16.81	16.94
19	16.40	16.81	15.81	15.42	16.52	16.93	12.12	15.25	15.20	16.36	16.84	16.84
20	16.50	16.79	15.88	15.55	16.46	16.96	12.14	15.33	15.36	16.32	16.86	16.83
21	16.58	16.79	15.96	15.91	16.05	16.98	12.31	15.41	15.48	16.36	16.85	16.83
22	16.63	16.79	16.05	16.13	15.86	17.00	12.90	15.47	15.57	16.40	16.85	16.86
23	16.66	16.81	16.10	16.28	16.02	17.02	13.27	15.44	15.67	16.42	16.86	16.88
24	16.68	16.83	14.38	16.38	16.51	17.03	13.36	15.46	15.74	16.44	16.86	16.89
25	16.69	16.60	13.69	16.46	16.72	17.05	12.50	15.51	15.80	16.46	16.88	16.91
26	16.71	16.22	12.76	16.52	16.84	17.06	12.04	15.54	15.85	16.48	16.90	16.72
27	16.73	16.20	11.84	16.59	16.91	17.07	12.24	15.54	15.91	16.49	16.93	16.02
28	16.75	16.24	11.96	16.67	17.00	17.08	11.93	15.55	15.94	16.51	16.95	15.93
29	16.78	15.96	13.20	16.72	---	16.62	8.93	15.57	15.98	16.55	16.98	16.02
30	16.81	15.77	14.17	16.76	---	15.68	9.12	15.53	16.02	16.58	16.84	15.69
31	16.76	---	14.67	16.76	---	14.89	---	15.57	---	16.62	16.77	---
MAX	16.81	16.84	16.10	16.76	17.00	17.11	14.22	15.57	16.02	16.62	16.98	17.07
MIN	16.33	15.77	11.84	13.54	15.86	14.89	8.93	9.76	11.63	16.06	16.47	15.69



CUMBERLAND COUNTY

435453070013601 Local number, CW 26

LOCATION.--Lat 43° 54'53", long 70° 01'36" (NAD 27), 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. Land-surface datum is at the general land surface.

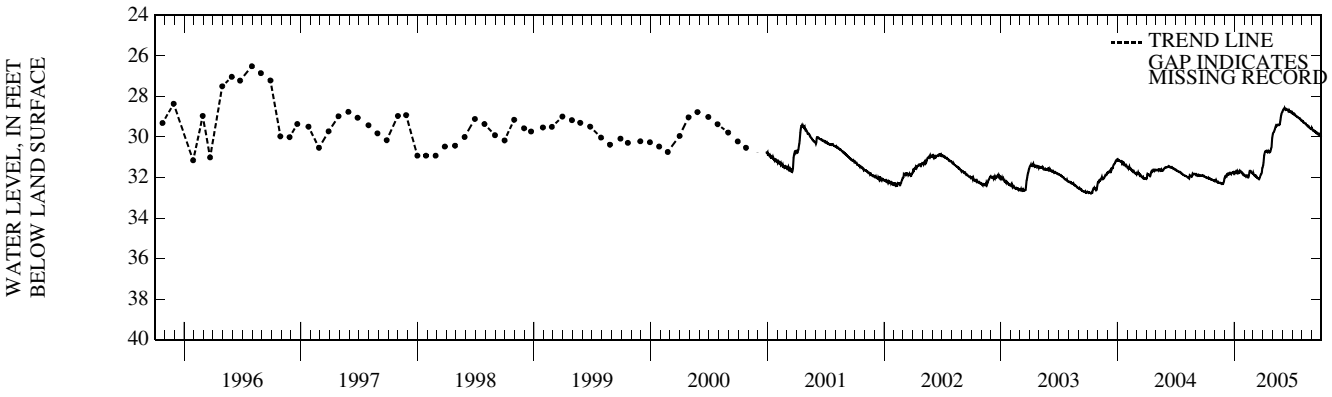
PERIOD OF RECORD.--April 1958 to current year.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.97	32.19	32.04	31.77	31.89	31.76	31.38	29.87	28.72	28.78	29.19	29.58
2	31.97	32.17	32.02	31.80	31.90	31.82	31.28	29.82	28.68	28.81	29.20	29.61
3	31.98	32.18	31.94	31.74	31.89	31.87	31.09	29.77	28.64	28.86	29.23	29.63
4	31.98	32.17	31.92	31.71	31.90	31.89	30.90	29.76	28.61	28.86	29.25	29.67
5	32.01	32.13	31.93	31.71	31.93	31.89	30.84	29.74	28.62	28.84	29.25	29.69
6	32.01	32.17	31.94	31.68	31.95	31.89	30.79	29.70	28.62	28.87	29.29	29.70
7	32.03	32.18	31.89	31.73	31.92	31.91	30.73	29.63	28.58	28.90	29.30	29.69
8	32.03	32.22	31.87	31.73	31.92	31.86	30.74	29.59	28.62	28.90	29.31	29.69
9	32.02	32.24	31.91	31.76	31.93	31.95	30.74	29.53	28.64	28.87	29.31	29.72
10	32.02	32.23	31.87	31.72	31.90	31.97	30.70	29.48	28.63	28.90	29.32	29.75
11	32.03	32.22	31.83	31.79	31.90	31.98	30.71	29.44	28.64	28.93	29.34	29.75
12	32.01	32.25	31.84	31.79	31.94	31.97	30.68	29.47	28.63	28.96	29.36	29.73
13	32.05	32.25	31.82	31.77	31.99	32.01	30.69	29.44	28.62	28.96	29.35	29.78
14	32.06	32.25	31.86	31.78	32.00	32.02	30.73	29.40	28.64	28.96	29.39	29.79
15	32.06	32.26	31.85	31.77	31.94	32.03	30.75	29.40	28.66	28.99	29.41	29.81
16	32.04	32.27	31.81	31.69	31.83	32.05	30.74	29.40	28.66	29.01	29.42	29.82
17	32.05	32.27	31.81	31.66	31.74	32.06	30.70	29.42	28.67	29.02	29.42	29.80
18	32.08	32.26	31.82	31.72	31.67	32.06	30.73	29.42	28.70	29.01	29.45	29.82
19	32.09	32.28	31.77	31.69	31.67	32.08	30.72	29.41	28.73	29.02	29.47	29.85
20	32.09	32.29	31.79	31.69	31.69	32.06	30.72	29.40	28.72	29.04	29.47	29.83
21	32.10	32.29	31.83	31.74	31.69	32.03	30.76	29.40	28.68	29.05	29.46	29.85
22	32.11	32.29	31.84	31.75	31.71	31.99	30.76	29.38	28.71	29.07	29.49	29.86
23	32.11	32.31	31.79	31.73	31.74	31.94	30.74	29.37	28.74	29.08	29.52	29.88
24	32.11	32.29	31.79	31.74	31.78	31.88	30.70	29.25	28.73	29.09	29.54	29.92
25	32.12	32.23	31.76	31.77	31.77	31.85	30.61	29.16	28.73	29.08	29.56	29.91
26	32.13	32.31	31.74	31.79	31.79	31.84	30.58	29.04	28.77	29.10	29.57	29.87
27	32.14	32.32	31.74	31.84	31.82	31.79	30.53	28.93	28.79	29.11	29.58	29.92
28	32.15	32.26	31.75	31.86	31.82	31.72	30.29	28.87	28.77	29.16	29.60	29.96
29	32.14	32.22	31.74	31.82	---	31.55	30.06	28.83	28.77	29.17	29.61	29.92
30	32.14	32.13	31.78	31.84	---	31.52	29.96	28.79	28.79	29.20	29.59	29.98
31	32.13	---	31.75	31.88	---	31.45	---	28.76	---	29.21	29.54	---
MAX	32.15	32.32	32.04	31.88	32.00	32.08	31.38	29.87	28.79	29.21	29.61	29.98
MIN	31.97	32.13	31.74	31.66	31.67	31.45	29.96	28.76	28.58	28.78	29.19	29.58



CUMBERLAND COUNTY—Continued

435039070261101 Local number, CW 1983

LOCATION.--Lat 43° 50'32", long 70° 26'12" (NAD 27), 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.

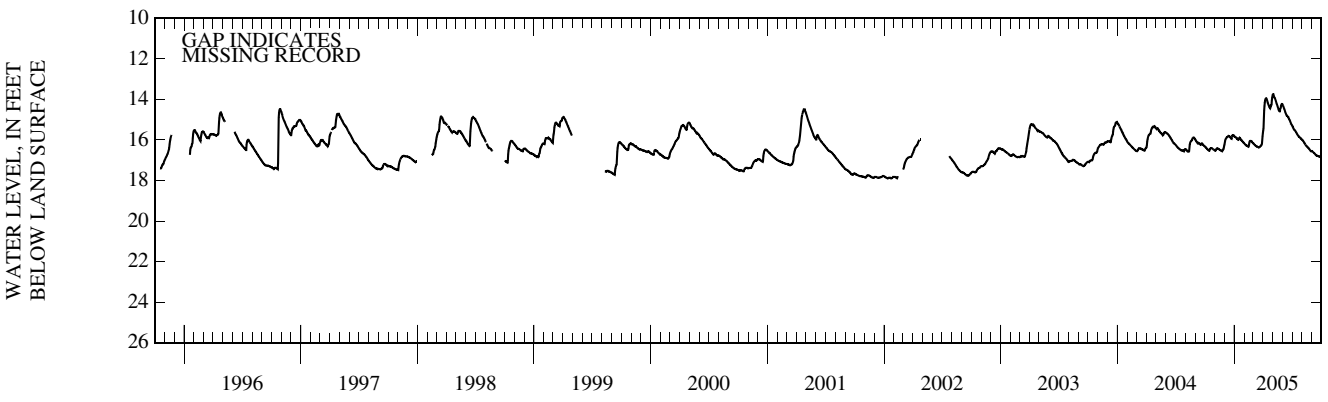
DATUM.--Elevation of land-surface datum is 307.80 ft above National Geodetic Vertical Datum of 1929. Measuring Point: Top of casing, 2.50 ft above land-surface datum. Land-surface datum is at the general land surface.

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, 13.73 ft below land-surface datum, May 2, 2005; 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.34	16.52	16.23	15.81	16.17	16.15	15.54	13.76	14.26	15.29	15.99	16.54
2	16.35	16.53	16.14	15.85	16.19	16.17	15.43	13.73	14.30	15.31	16.00	16.55
3	16.37	16.53	16.05	15.85	16.20	16.20	15.04	13.74	14.33	15.35	16.02	16.57
4	16.38	16.52	16.00	15.85	16.22	16.22	14.55	13.79	14.37	15.39	16.04	16.59
5	16.40	16.47	15.95	15.86	16.24	16.23	14.32	13.85	14.42	15.42	16.06	16.60
6	16.41	16.44	15.92	15.87	16.26	16.25	14.16	13.90	14.47	15.45	16.08	16.62
7	16.43	16.42	15.89	15.89	16.27	16.27	14.05	13.93	14.50	15.48	16.11	16.63
8	16.45	16.42	15.87	15.91	16.28	16.27	13.99	13.94	14.56	15.50	16.13	16.65
9	16.46	16.42	15.86	15.93	16.29	16.29	13.96	13.99	14.62	15.52	16.16	16.66
10	16.47	16.42	15.85	15.94	16.29	16.30	13.94	14.04	14.66	15.53	16.19	16.68
11	16.49	16.42	15.83	15.96	16.30	16.31	13.95	14.08	14.69	15.55	16.21	16.70
12	16.50	16.44	15.82	15.98	16.31	16.31	13.97	14.14	14.73	15.58	16.24	16.71
13	16.52	16.45	15.80	16.00	16.32	16.33	14.02	14.19	14.77	15.60	16.26	16.74
14	16.53	16.46	15.81	15.99	16.34	16.34	14.09	14.24	14.80	15.63	16.29	16.75
15	16.54	16.47	15.81	15.92	16.30	16.35	14.15	14.29	14.81	15.65	16.30	16.77
16	16.48	16.48	15.81	15.90	16.20	16.35	14.19	14.33	14.83	15.69	16.31	16.77
17	16.43	16.49	15.82	15.89	16.11	16.36	14.23	14.38	14.84	15.72	16.33	16.77
18	16.41	16.50	15.85	15.91	16.06	16.36	14.27	14.43	14.86	15.74	16.35	16.78
19	16.40	16.51	15.85	15.93	16.04	16.37	14.32	14.48	14.89	15.77	16.37	16.78
20	16.40	16.53	15.88	15.94	16.04	16.36	14.36	14.52	14.93	15.79	16.39	16.79
21	16.40	16.53	15.91	15.97	16.04	16.35	14.39	14.57	14.96	15.82	16.39	16.79
22	16.40	16.54	15.94	16.00	16.04	16.33	14.42	14.58	14.99	15.84	16.41	16.80
23	16.41	16.55	15.94	16.01	16.06	16.31	14.44	14.58	15.03	15.84	16.44	16.80
24	16.41	16.56	15.84	16.02	16.08	16.29	14.40	14.51	15.06	15.85	16.46	16.81
25	16.43	16.52	15.78	16.04	16.09	16.28	14.30	14.46	15.10	15.87	16.48	16.82
26	16.44	16.49	15.77	16.06	16.11	16.27	14.30	14.38	15.14	15.89	16.50	16.83
27	16.46	16.47	15.76	16.08	16.14	16.25	14.27	14.30	15.18	15.91	16.52	16.83
28	16.48	16.45	15.76	16.11	16.16	16.20	14.05	14.26	15.22	15.92	16.54	16.84
29	16.49	16.37	15.76	16.12	---	15.99	13.91	14.24	15.25	15.93	16.56	16.85
30	16.50	16.29	15.79	16.13	---	15.81	13.83	14.23	15.27	15.95	16.55	16.85
31	16.50	---	15.80	16.15	---	15.66	---	14.24	---	15.97	16.54	---
MAX	16.54	16.56	16.23	16.15	16.34	16.37	15.54	14.58	15.27	15.97	16.56	16.85
MIN	16.34	16.29	15.76	15.81	16.04	15.66	13.83	13.73	14.26	15.29	15.99	16.54



FRANKLIN COUNTY

444302070252401, FW916

LOCATION.--Lat 44° 43'02", long 70° 25'24" (NAD 27), 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.

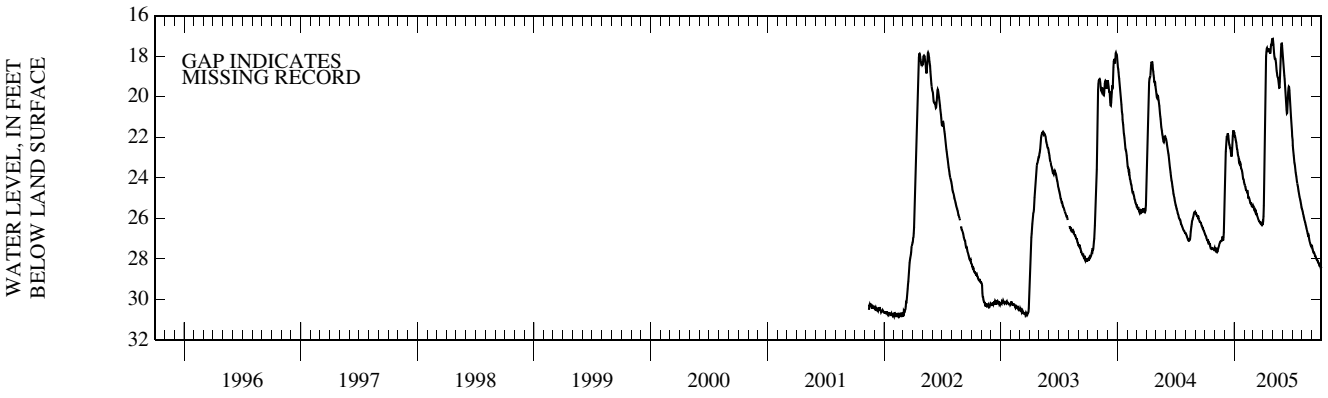
DATUM.--Elevation of land-surface datum is 1142 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum. Land-surface datum is at the general land surface.

PERIOD OF REOCRD.--November 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 17.08 ft below land-surface datum, Apr. 29, 2005; lowest recorded, 30.87 ft below land-surface datum, Feb. 9, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.79	27.56	25.45	21.76	24.27	25.38	26.13	17.17	17.80	21.93	25.54	27.35
2	26.82	27.59	24.76	21.94	24.34	25.42	25.89	17.25	17.98	22.14	25.59	27.46
3	26.85	27.55	23.95	21.94	24.37	25.52	25.37	17.41	18.17	22.39	25.67	27.52
4	26.88	27.57	23.24	22.02	24.42	25.58	23.94	17.63	18.39	22.59	25.76	27.59
5	26.96	27.45	22.72	22.12	24.50	25.61	22.12	17.85	18.67	22.76	25.81	27.66
6	27.00	27.54	22.48	22.19	24.59	25.62	20.70	18.01	18.95	22.90	25.90	27.69
7	27.04	27.59	22.25	22.27	24.60	25.67	19.62	18.11	19.12	23.09	25.97	27.68
8	27.07	27.62	21.98	22.43	24.62	25.59	18.85	18.11	19.40	23.25	26.04	27.69
9	27.07	27.65	21.98	22.56	24.67	25.63	18.38	18.12	19.69	23.32	26.10	27.75
10	27.11	27.60	21.96	22.59	24.64	25.75	18.01	18.21	19.93	23.44	26.15	27.81
11	27.17	27.49	21.81	22.74	24.64	25.80	17.80	18.33	20.18	23.59	26.22	27.85
12	27.13	27.47	21.84	22.86	24.77	25.79	17.63	18.53	20.42	23.74	26.31	27.86
13	27.18	27.42	21.94	22.91	24.92	25.85	17.60	18.72	20.64	23.83	26.35	27.93
14	27.25	27.36	22.09	22.96	25.02	25.90	17.67	18.82	20.82	23.94	26.43	27.96
15	27.28	27.29	22.26	23.15	24.97	25.95	17.74	18.95	20.79	24.07	26.51	28.00
16	27.22	27.24	22.35	23.22	24.98	25.99	17.73	19.01	20.40	24.19	26.57	28.04
17	27.31	27.19	22.38	23.20	25.04	26.05	17.65	19.05	20.09	24.28	26.62	28.02
18	27.41	27.14	22.51	23.28	25.11	26.08	17.64	19.14	19.78	24.35	26.72	28.07
19	27.47	27.12	22.53	23.33	25.19	26.13	17.70	19.26	19.58	24.43	26.79	28.13
20	27.48	27.13	22.60	23.31	25.26	26.14	17.75	19.40	19.50	24.55	26.83	28.14
21	27.49	27.10	22.75	23.43	25.27	26.17	17.81	19.56	19.52	24.65	26.82	28.18
22	27.50	27.08	22.90	23.53	25.26	26.20	17.82	19.55	19.68	24.74	26.90	28.22
23	27.49	27.08	22.95	23.55	25.30	26.22	17.87	19.26	19.94	24.84	27.01	28.25
24	27.47	27.06	22.88	23.59	25.37	26.22	17.79	18.77	20.18	24.93	27.09	28.33
25	27.49	26.89	22.62	23.67	25.38	26.24	17.52	18.30	20.42	24.98	27.15	28.33
26	27.49	27.01	22.28	23.77	25.40	26.30	17.43	17.94	20.72	25.08	27.20	28.29
27	27.51	27.08	21.93	23.91	25.43	26.31	17.43	17.56	21.02	25.14	27.26	28.34
28	27.54	26.94	21.77	24.02	25.47	26.28	17.27	17.38	21.25	25.24	27.31	28.42
29	27.52	26.68	21.66	24.04	---	26.22	17.12	17.38	21.48	25.33	27.35	28.39
30	27.50	26.26	21.73	24.08	---	26.30	17.19	17.48	21.72	25.43	27.39	28.45
31	27.46	---	21.75	24.20	---	26.27	---	17.64	---	25.50	27.35	---
MAX	27.54	27.65	25.45	24.20	25.47	26.31	26.13	19.56	21.72	25.50	27.39	28.45
MIN	26.79	26.26	21.66	21.76	24.27	25.38	17.12	17.17	17.80	21.93	25.54	27.35



HANCOCK COUNTY

444950068220602 Local number, HW 1A

LOCATION.--Lat 44° 49'55", long 68° 21'59" (NAD 27), 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. Land-surface datum is at the general land surface.

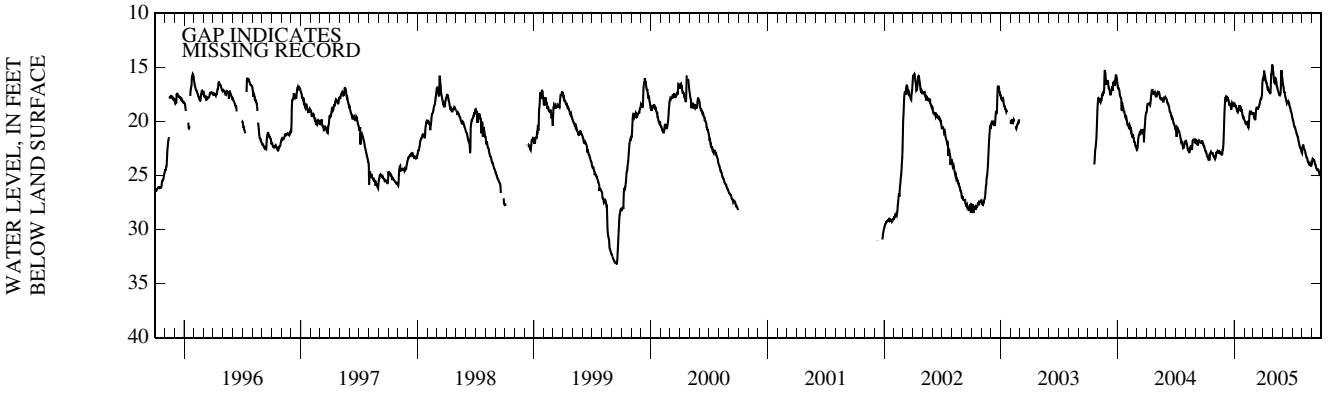
REMARKS.--Water level affected by pumping.

PERIOD OF RECORD.--November 1989 to Sept. 2000, December 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.63 ft below land-surface datum, Apr. 30, 2005; lowest recorded, 33.16 ft below land-surface datum, Sept. 16, 1999.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.67	23.41	19.16	18.52	19.83	19.13	16.12	14.95	16.36	19.56	22.93	23.82
2	22.69	23.48	18.62	18.61	19.93	19.32	16.21	15.36	16.58	19.74	22.53	23.57
3	22.78	23.39	17.96	18.43	19.96	19.55	15.74	15.59	16.73	19.88	22.31	23.44
4	22.79	23.29	17.77	18.49	20.03	19.69	15.30	15.95	16.90	19.90	22.21	23.46
5	22.95	22.95	17.74	18.59	20.16	19.73	15.56	16.22	17.17	20.04	22.21	23.56
6	23.06	22.94	17.86	18.59	20.28	19.73	15.73	16.40	17.34	20.23	22.37	23.54
7	23.16	22.79	17.76	18.68	20.17	19.88	15.80	16.44	17.25	20.38	22.45	23.58
8	23.23	22.77	17.63	18.84	20.15	19.60	16.03	16.12	17.51	20.50	22.55	23.59
9	23.29	22.90	17.96	18.92	20.21	19.17	16.26	16.10	17.67	20.53	22.60	23.73
10	23.31	22.89	17.93	18.77	20.08	18.89	16.28	16.04	17.81	20.55	22.69	23.91
11	23.40	22.76	17.77	19.06	20.06	18.81	16.47	16.10	17.95	20.66	22.81	23.96
12	23.31	22.82	17.93	19.12	20.29	18.64	16.49	16.35	18.03	20.77	23.00	23.98
13	23.43	22.85	17.96	19.02	20.51	18.76	16.64	16.57	18.11	20.86	23.09	24.14
14	23.52	22.81	18.14	18.99	20.56	18.75	16.85	16.72	18.34	21.01	23.24	24.25
15	23.53	22.80	18.32	18.86	20.32	18.82	17.02	16.88	18.30	21.14	23.33	24.36
16	23.37	22.85	18.27	18.63	19.89	18.83	17.06	16.99	18.18	21.22	23.32	24.41
17	23.03	22.79	18.36	18.49	19.44	18.75	17.00	17.10	18.19	21.27	23.38	24.44
18	22.94	22.81	18.52	18.72	19.17	18.67	17.12	17.20	18.15	21.41	23.53	24.51
19	22.88	22.82	18.35	18.69	19.22	18.62	17.21	17.30	18.27	21.47	23.67	24.52
20	23.02	22.99	18.47	18.61	19.23	18.47	17.26	17.36	18.31	21.66	23.76	24.37
21	22.87	22.98	18.71	18.94	19.12	18.35	17.29	17.51	18.30	21.81	23.77	24.46
22	22.91	22.97	18.90	19.07	19.09	18.21	17.32	17.57	18.51	21.94	23.88	24.53
23	22.91	23.06	18.82	18.90	19.13	18.11	17.38	17.59	18.65	22.10	23.94	24.63
24	22.92	23.05	18.49	18.95	19.27	17.93	17.35	17.47	18.71	22.23	24.06	24.79
25	22.96	22.63	18.27	19.15	19.27	17.88	16.53	17.45	18.78	22.34	23.94	24.73
26	22.98	22.63	18.32	19.32	19.26	17.89	15.64	17.10	19.00	22.40	23.87	24.71
27	23.10	22.33	18.23	19.51	19.26	17.74	15.58	15.57	19.10	22.49	23.97	24.87
28	23.21	21.92	18.41	19.59	19.39	17.60	15.34	15.26	19.12	22.55	24.04	24.97
29	23.21	21.22	18.41	19.49	---	16.73	14.74	15.52	19.23	22.53	24.11	24.89
30	23.28	20.11	18.65	19.63	---	16.22	14.85	15.82	19.43	22.74	24.09	25.01
31	23.18	---	18.51	19.78	---	16.07	---	16.14	---	22.87	23.95	---
MAX	23.53	23.48	19.16	19.78	20.56	19.88	17.38	17.59	19.43	22.87	24.11	25.01
MIN	22.67	20.11	17.63	18.43	19.09	16.07	14.74	14.95	16.36	19.56	22.21	23.44



HANCOCK COUNTY—Continued

442238068154101 Local number, HW 171

LOCATION.--Lat 44° 22'38", long 68° 15'41" (NAD 27), Hydrologic Unit 01050002, on McFarland Hill, approximately 400 ft uphill of the National 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, 4.79 ft above land-surface datum. Prior to June 9, 2005, top of casing 2.00 ft above land-surface datum. Land-surface datum is at the general land surface.

REMARKS.--Missing record, Oct. 26-28, due to pumping for water quality sampling.

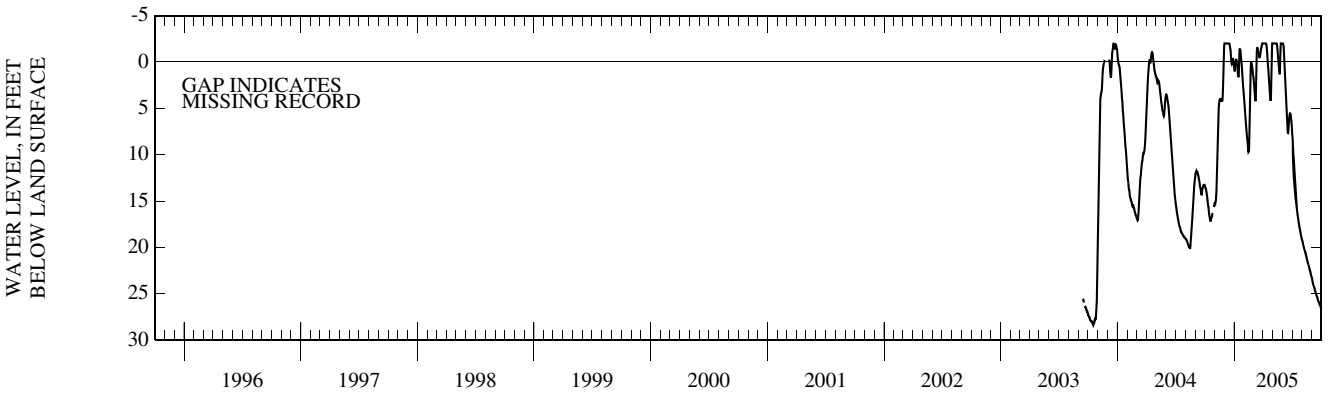
PERIOD OF RECORD.--September 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, overflowed, 2.00 ft above land-surface datum, Dec. 19 and 20, 2003, Nov. 30, 2004 to Dec. 17, 2004, Mar. 28, 2005 to Apr. 10, 2005, Apr. 29, 2005 to May 14, 2005, and May 25, 2005 to June 3, 2005. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.44	15.31	-2.00	0.76	4.33	1.46	-2.00	-2.00	-2.00	7.72	19.19	23.35
2	13.57	15.33	-2.00	1.01	4.82	1.78	-2.00	-2.00	-2.00	8.22	19.29	23.57
3	13.64	15.08	-2.00	0.73	5.24	2.31	-2.00	-2.00	-1.93	8.85	19.45	23.71
4	13.77	14.99	-2.00	0.36	5.66	2.83	-2.00	-2.00	-1.63	9.43	19.65	23.88
5	13.96	14.42	-2.00	-0.02	6.11	3.24	-2.00	-2.00	-1.10	9.99	19.76	24.03
6	14.24	13.86	-2.00	-0.24	6.65	3.60	-2.00	-2.00	-0.42	10.62	19.92	24.13
7	14.47	12.53	-2.00	-0.34	7.05	4.00	-2.00	-2.00	0.20	11.32	20.06	24.20
8	14.73	10.74	-2.00	-0.05	7.44	4.22	-2.00	-2.00	0.98	11.98	20.18	24.29
9	14.95	9.20	-2.00	0.21	7.88	3.72	-2.00	-2.00	m1.89	12.56	20.30	24.44
10	15.20	7.86	-2.00	0.44	8.24	1.93	-2.00	-2.00	2.64	13.18	20.41	24.60
11	15.50	6.59	-2.00	0.80	8.50	0.03	-1.83	-2.00	3.42	13.78	20.54	24.74
12	15.69	5.68	-2.00	1.28	8.98	-1.15	-1.57	-2.00	4.21	14.33	20.71	24.78
13	16.06	4.99	-2.00	1.53	9.40	-1.53	-1.18	-2.00	4.96	14.76	20.78	24.96
14	16.40	4.53	-2.00	1.64	9.70	-1.52	-0.66	-1.92	5.72	15.17	20.96	25.06
15	16.63	4.24	-2.00	0.94	9.63	-1.38	-0.08	-1.61	6.45	15.57	21.10	25.15
16	16.74	4.07	-2.00	-0.32	9.25	-1.15	0.40	-1.19	7.16	15.94	21.25	25.26
17	17.00	3.99	-1.94	-1.29	7.92	-0.94	0.77	-0.73	7.64	16.24	21.34	25.32
18	17.13	3.96	-1.66	-1.45	5.65	-0.78	1.22	-0.30	7.65	16.49	21.52	25.45
19	17.14	3.96	-1.51	-1.24	3.36	-0.62	1.79	0.09	7.25	16.69	21.69	25.60
20	17.01	4.06	-1.25	-1.24	1.66	-0.51	2.30	0.49	6.69	16.92	21.79	25.68
21	16.88	4.13	-0.75	-0.81	0.67	-0.52	2.87	0.89	6.15	17.17	21.85	25.77
22	16.78	4.12	-0.23	-0.29	0.12	-0.62	3.43	1.20	5.77	17.38	21.98	25.90
23	16.62	4.18	0.15	-0.02	0.02	-0.83	3.85	1.33	5.62	17.61	22.15	25.97
24	16.42	4.26	0.26	0.34	0.26	-1.13	4.17	0.24	5.54	17.85	22.31	26.13
25	m16.30	3.96	0.20	0.80	0.43	-1.42	4.04	-1.31	5.57	18.01	22.44	26.18
26	---	3.27	-0.07	1.40	0.66	-1.51	2.63	-2.00	5.79	18.20	22.55	26.17
27	---	1.85	-0.43	1.98	0.93	-1.65	0.83	-2.00	6.10	18.38	22.69	26.26
28	---	0.34	-0.30	2.54	1.34	-1.87	-0.97	-2.00	6.40	18.60	22.85	26.46
29	15.66	-0.87	-0.17	2.93	---	-2.00	-2.00	-2.00	6.76	18.77	22.98	26.48
30	15.50	-1.73	0.24	3.31	---	-2.00	-2.00	-2.00	7.24	18.94	23.09	26.62
31	15.29	---	0.58	3.85	---	-2.00	---	-2.00	---	19.10	23.21	---
MAX	---	15.33	0.58	3.85	9.70	4.22	4.17	1.33	7.65	19.10	23.21	26.62
MIN	---	-1.73	-2.00	-1.45	0.02	-2.00	-2.00	-2.00	-2.00	7.72	19.19	23.35

m Measured



HANCOCK COUNTY—Continued

442450068175201 Local number, HW 172

LOCATION.--Lat 44° 24'50", long 68° 17'52" (NAD 27), 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. Land-surface datum is at the general land surface.

REMARKS.--Missing record, Oct. 26, due to pumping for water quality sampling.

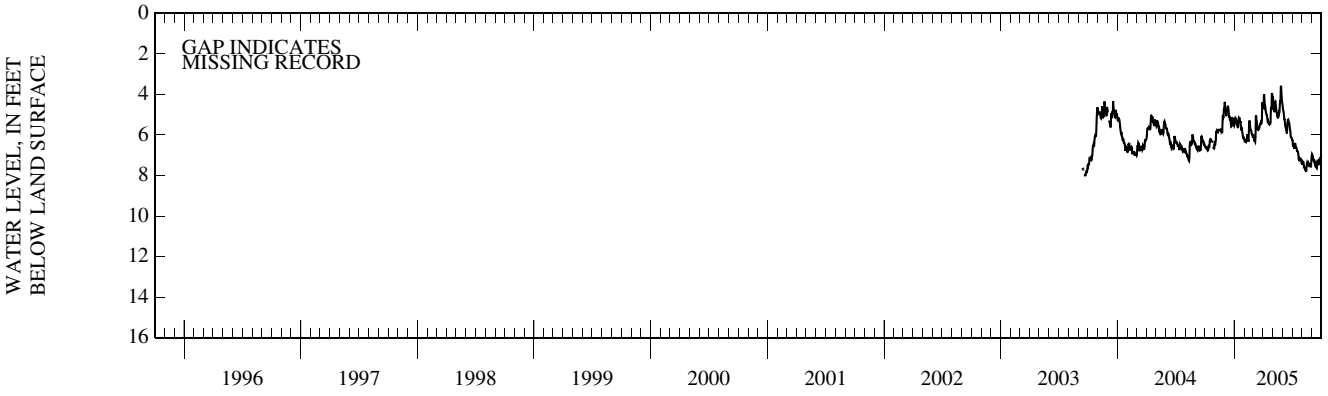
PERIOD OF RECORD.--September 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.25 ft below land-surface datum, May 26, 2005. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.59	6.46	4.56	5.34	6.21	5.97	4.64	4.07	4.59	6.24	7.46	6.94
2	6.60	6.52	4.36	5.43	6.29	6.02	4.66	4.24	4.74	6.25	7.38	6.98
3	6.59	6.33	4.59	5.21	6.27	6.20	4.11	4.47	4.79	6.47	7.33	7.01
4	6.61	6.26	4.71	5.16	6.31	6.26	3.99	4.66	4.89	6.57	7.35	7.12
5	6.62	5.86	4.82	5.19	6.33	6.25	4.29	4.79	5.07	6.51	7.35	7.20
6	6.67	5.79	5.02	5.23	6.35	6.30	4.50	4.87	5.23	6.56	7.45	7.25
7	6.68	5.85	5.07	5.29	6.25	6.33	4.57	4.82	5.23	6.63	7.58	7.23
8	6.72	5.77	4.81	5.46	6.21	6.07	4.67	4.39	5.39	6.68	7.58	7.23
9	6.74	5.80	4.88	5.53	6.21	5.08	4.85	4.36	5.55	6.54	7.61	7.33
10	6.71	5.82	4.91	5.48	6.08	5.03	4.89	4.51	5.61	6.39	7.65	7.41
11	6.72	5.72	4.60	5.60	5.97	5.27	4.99	4.62	5.67	6.45	7.71	7.46
12	6.54	5.79	4.56	5.66	6.13	5.34	5.00	4.75	5.75	6.56	7.75	7.43
13	6.53	5.75	4.69	5.60	6.27	5.51	5.08	4.89	5.83	6.62	7.73	7.57
14	6.61	5.76	4.81	5.21	6.33	5.69	5.21	4.96	5.92	6.61	7.79	7.59
15	6.59	5.76	5.04	5.15	5.95	5.74	5.37	5.08	5.63	6.67	7.58	7.61
16	6.33	5.76	5.10	5.16	5.51	5.75	5.38	5.09	5.41	6.79	7.42	7.63
17	6.22	5.76	5.09	5.12	5.29	5.72	5.33	5.14	5.25	6.80	7.35	7.49
18	6.21	5.78	5.28	5.28	5.39	5.70	5.39	5.13	5.24	6.81	7.40	7.33
19	6.25	5.74	5.24	5.39	5.57	5.70	5.47	5.00	5.31	6.83	7.43	7.36
20	6.24	5.76	5.28	5.31	5.68	5.63	5.49	4.89	5.40	6.93	7.42	7.30
21	6.26	5.83	5.46	5.51	5.74	5.55	5.45	4.92	5.40	7.18	7.37	7.27
22	6.32	5.78	5.59	5.67	5.76	5.51	5.45	4.84	5.47	7.20	7.41	7.33
23	6.33	5.81	5.57	5.64	5.81	5.44	5.45	4.52	5.63	7.16	7.52	7.31
24	6.33	5.83	5.20	5.71	5.93	5.44	5.37	4.32	5.75	7.22	7.58	7.42
25	m6.30	5.32	5.12	5.79	5.96	5.39	4.72	4.32	5.84	7.20	7.45	7.41
26	---	5.01	5.22	5.88	5.99	5.43	4.69	3.63	6.07	7.16	7.46	7.35
27	6.58	5.16	5.17	6.00	6.02	5.41	4.77	3.58	6.10	7.16	7.46	7.13
28	6.62	5.13	5.30	6.11	6.14	5.21	3.97	3.95	6.12	7.23	7.60	7.13
29	6.60	4.76	5.31	6.09	---	4.39	3.94	4.19	6.14	7.24	7.53	7.09
30	6.62	4.72	5.49	6.10	---	4.48	4.23	4.37	6.23	7.34	7.25	7.01
31	6.43	---	5.52	6.19	---	4.60	---	4.47	---	7.41	7.05	---
MAX	---	6.52	5.59	6.19	6.35	6.33	5.49	5.14	6.23	7.41	7.79	7.63
MIN	---	4.72	4.36	5.12	5.29	4.39	3.94	3.58	4.59	6.24	7.05	6.94

m Measured



HANCOCK COUNTY—Continued

441516068194101 Local number, HW 173

LOCATION.--Lat 44° 15'16", long 68° 19'41" (NAD 27), Hydrologic Unit 01050002, on Fire Road between Adam's Bridge and 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 topographic map. Measuring point: Top of casing, 1.10 ft above land-surface datum. Land-surface datum is at the general land surface.

REMARKS.--Missing record, Oct. 26, due to pumping for water quality sampling.

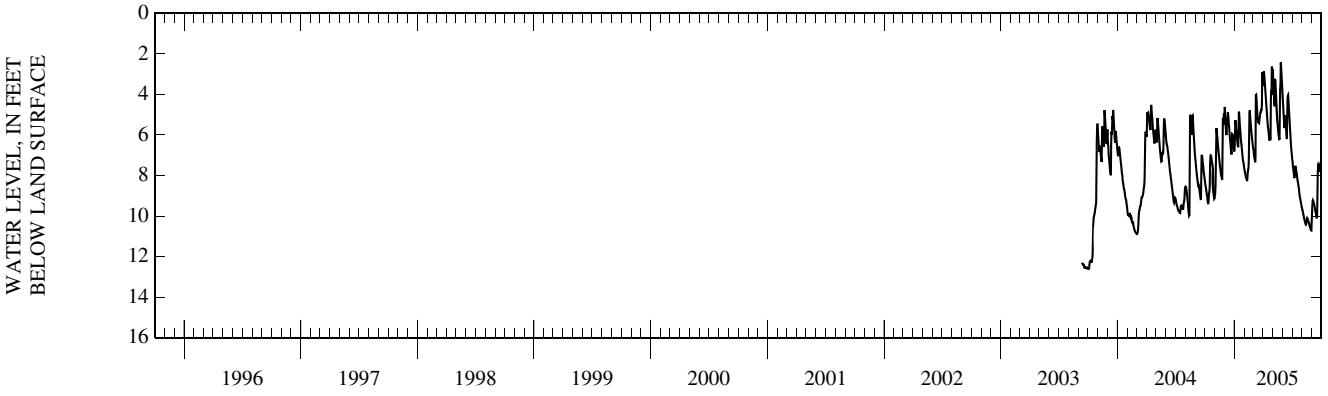
PERIOD OF RECORD.--September 2003 to September 2005 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.14 ft below land-surface datum, May 26, 2005. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.36	8.98	5.01	6.81	7.67	6.63	3.50	2.74	4.33	7.20	9.63	9.91
2	8.48	8.88	4.61	6.50	7.76	6.82	3.47	3.11	4.64	7.32	9.69	9.49
3	8.57	8.53	4.91	5.78	7.82	6.98	2.86	3.47	4.93	7.49	9.77	9.26
4	8.66	7.74	5.27	5.27	7.90	7.08	2.96	3.87	5.19	7.64	9.85	9.22
5	8.78	6.48	5.57	5.38	8.00	7.16	3.25	4.23	5.44	7.77	9.92	9.27
6	8.90	5.66	5.81	5.54	8.09	7.23	3.48	4.54	5.66	7.90	10.0	9.33
7	8.99	5.85	6.00	5.79	8.12	7.34	3.70	4.54	5.40	8.02	10.07	9.37
8	9.10	6.03	5.64	5.99	8.17	7.11	3.95	3.23	5.03	8.13	10.14	9.43
9	9.21	6.17	5.34	6.19	8.23	4.02	4.17	3.32	5.16	8.07	10.21	9.52
10	9.30	6.35	5.46	6.30	8.23	4.01	4.39	3.72	5.35	7.64	10.27	9.62
11	9.41	6.54	5.00	6.45	8.01	4.22	4.63	4.07	5.57	7.52	10.33	9.71
12	9.31	6.76	4.87	6.53	7.79	4.48	4.85	4.41	5.76	7.60	10.40	9.76
13	9.01	6.94	5.10	6.60	7.72	4.79	5.08	4.72	5.96	7.70	10.43	9.87
14	8.86	7.12	5.26	5.99	7.67	5.01	5.29	5.02	6.20	7.79	10.40	9.96
15	8.79	7.27	5.46	4.85	7.25	5.22	5.48	5.29	4.96	7.88	10.35	10.04
16	8.51	7.42	5.65	4.95	5.94	5.36	5.62	5.50	4.22	8.00	10.19	10.11
17	7.49	7.56	5.90	5.20	4.94	5.39	5.74	5.68	4.06	8.14	10.10	10.03
18	7.08	7.67	6.14	5.51	4.78	5.41	5.92	5.81	4.03	8.25	10.12	8.71
19	7.01	7.80	6.29	5.71	5.00	5.42	6.07	5.96	4.29	8.34	10.18	7.89
20	7.02	7.94	6.49	5.90	5.23	5.31	6.21	6.09	4.61	8.43	10.22	7.54
21	7.11	8.01	6.70	6.17	5.41	5.16	6.27	6.21	4.93	8.54	10.26	7.44
22	7.22	8.07	6.87	6.35	5.63	5.05	6.13	6.20	5.24	8.65	10.31	7.45
23	7.33	8.16	6.96	6.46	5.83	4.90	6.15	5.05	5.52	8.79	10.37	7.53
24	7.43	8.22	6.52	6.64	6.02	4.86	6.16	3.71	5.78	8.94	10.45	7.68
25	7.56	6.83	5.95	6.83	6.15	4.86	4.27	3.50	6.04	9.05	10.50	7.77
26	m7.66	5.25	5.96	7.00	6.31	4.76	3.77	2.42	6.33	9.14	10.55	7.81
27	8.81	5.26	6.10	7.15	6.45	4.75	4.02	2.63	6.56	9.21	10.60	7.68
28	8.96	5.48	6.31	7.26	6.60	4.49	2.63	2.99	6.72	9.30	10.65	7.39
29	9.05	4.97	6.46	7.32	---	2.91	2.87	3.33	6.87	9.38	10.70	7.27
30	9.15	4.96	6.66	7.43	---	3.17	3.13	3.70	7.06	9.47	10.71	7.26
31	9.12	---	6.77	7.57	---	3.33	---	4.03	---	9.56	10.37	---
MAX	9.41	8.98	6.96	7.57	8.23	7.34	6.27	6.21	7.06	9.56	10.71	10.11
MIN	7.01	4.96	4.61	4.85	4.78	2.91	2.63	2.42	4.03	7.20	9.63	7.26

m Measured



441516068194101 Local number, HW 173--Continued

PERIOD OF RECORD.--CHEMICAL ANAYLSES: September 2003 to September 2004.

REMARKS.-- mg/L, milligrams per liter; uS/cm microsiemens per centimeter; ug/L, micrograms per liter;"<", lessthan; "E", estimated value. The September water sample at this well was analyzed for wastewater-related complounds, schedule 1433 by the National Water Quality Laboratory. Only analyses measured above the reporting level are listed in this table. The schedule 1433 coumpounds are listed on page 18 in the section, "Records of Ground-Water Quality".

CORRECTION.--Data listed below is correcting previously published data in Water-Data Report ME-04-1.

WATER-QUALITY DATA, CALENDAR YEAR JANUARY 2003 TO DECEMBER 2003

Date	Time	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 sat-uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	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)
SEP													
17...	1610	12.44	765	8.1	69	6.2	7.7	79	79	8.6	3.00	1.06	1.92
DEC													
03...	1515	6.64	772	11.2	92	5.3	E6.2	49	44	7.6	.58	.650	.31

Date	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	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)	Organic carbon, water, fltrd, mg/L (00681)	Alum-inum, water, fltrd, ug/L (01106)
SEP													
17...	8.55	16	15	.02	9.10	10.7	6.4	<.04	<.06	<.008	<.02	.4	4
DEC													
03...	5.98	4	--	--	8.10	7.06	3.8	<.04	<.06	<.008	<.006	.6	--

Date	Anti-mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Arsen-ite, water, fltrd, ug/L as As (62452)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan-ese, water, fltrd, ug/L (01056)	Nickel, water, fltrd, ug/L (01065)	Silver, water, fltrd, ug/L (01075)	DEET, water, fltrd, ug/L (62082)	Phenol, water, fltrd, ug/L (34466)
SEP													
17...	<.30	<.3	<.3	E.03	.8	2.2	8	<.08	72.5	7.00	<.2	.7	1.1
DEC													
03...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Uranium natural water, fltrd, ug/L (22703)
SEP	
17...	.06
DEC	
03...	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

HANCOCK COUNTY—Continued

441650068210801 Local number, HW 174

LOCATION.--Lat 44° 16'50", long 68° 21'08" (NAD 27), 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 topographic map. Measuring point: Top of casing, 1.0 ft above land-surface datum. Land-surface datum is at the general land surface.

REMARKS.--Missing record, Oct. 27, due to pumping for water quality sampling.

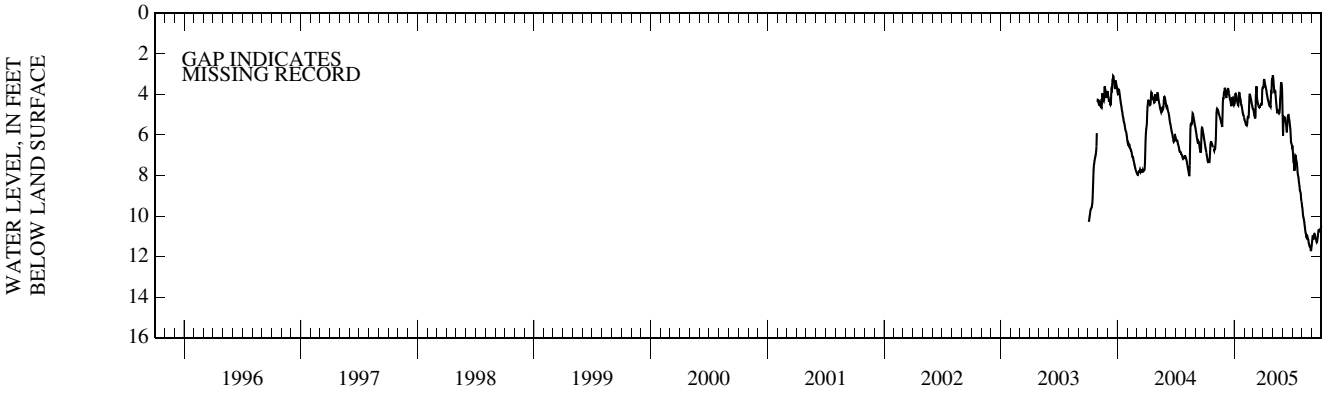
PERIOD OF RECORD.--October 2003 to September 2005 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.97 ft below land-surface datum, May 1, 2005. Lowest water level recorded, 11.77 ft below land-surface datum, Aug. 29, 2005.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.51	6.64	3.87	4.50	5.20	4.70	3.66	3.05	5.54	6.55	9.53	11.30
2	6.62	6.64	3.67	4.46	5.27	4.78	3.63	3.13	6.03	6.55	9.61	11.15
3	6.69	6.46	3.74	4.23	5.31	4.90	3.32	3.31	5.52	6.75	9.77	10.99
4	6.78	6.20	3.87	3.97	5.35	5.01	3.24	3.53	5.19	7.00	9.98	10.99
5	6.87	5.64	3.99	3.96	5.41	5.07	3.33	3.74	5.11	7.33	10.05	11.10
6	6.99	4.94	4.12	4.02	5.48	5.12	3.44	3.86	5.13	7.34	10.10	11.10
7	7.07	4.75	4.18	4.09	5.50	5.19	3.49	3.93	5.13	7.49	10.22	10.97
8	7.16	4.70	4.01	4.23	5.50	5.09	3.57	3.78	5.15	7.76	10.31	10.88
9	7.23	4.72	3.90	4.31	5.53	4.05	3.66	3.89	5.25	7.61	10.46	10.87
10	7.30	4.76	3.92	4.35	5.47	3.89	3.71	4.08	5.32	7.17	10.58	10.92
11	7.38	4.77	3.78	4.44	5.20	3.60	3.79	4.29	5.43	7.01	10.72	10.99
12	7.31	4.86	3.68	4.51	5.12	4.00	3.95	4.48	5.54	7.03	10.82	11.04
13	7.27	4.91	3.75	4.53	5.13	4.23	4.02	4.62	5.75	7.15	10.87	11.11
14	7.28	4.98	3.83	4.38	5.17	4.34	4.09	4.80	5.87	7.25	11.01	11.19
15	7.30	5.03	3.95	4.00	4.99	4.41	4.21	4.93	5.59	7.31	11.05	11.24
16	7.15	5.08	4.05	3.93	4.50	4.49	4.27	4.84	5.27	7.45	11.00	11.30
17	6.77	5.14	4.12	3.94	4.10	4.55	4.30	4.79	5.09	7.61	10.97	11.26
18	6.50	5.19	4.24	4.08	3.97	4.59	4.38	4.79	5.03	7.86	11.05	11.13
19	6.39	5.24	4.26	4.20	4.02	4.63	4.47	4.81	5.02	7.96	11.09	11.03
20	6.34	5.33	4.32	4.22	4.10	4.64	4.55	4.89	5.14	8.02	11.13	10.88
21	6.35	5.40	4.44	4.37	4.19	4.61	4.54	4.93	5.21	8.13	11.23	10.74
22	6.39	5.44	4.53	4.49	4.25	4.60	4.54	4.90	5.30	8.31	11.35	10.68
23	6.43	5.53	4.58	4.51	4.34	4.56	4.60	4.68	5.43	8.42	11.38	10.69
24	6.48	5.60	4.39	4.59	4.45	4.51	4.63	4.21	5.57	8.53	11.48	10.75
25	6.55	5.10	4.18	4.69	4.51	4.49	4.15	4.06	5.73	8.72	11.50	10.75
26	m6.61	4.36	4.17	4.79	4.58	4.48	3.85	3.63	6.04	8.76	11.50	10.74
27	---	4.21	4.16	4.89	4.65	4.49	3.86	3.39	6.35	8.81	11.56	10.65
28	6.75	4.19	4.29	4.97	4.75	4.42	3.36	3.46	6.39	8.91	11.65	10.64
29	6.74	3.99	4.36	5.00	---	3.79	3.20	3.54	6.45	9.17	11.73	10.56
30	6.78	3.89	4.48	5.04	---	3.67	3.26	3.73	6.56	9.27	11.60	10.49
31	6.69	---	4.53	5.14	---	3.66	---	4.85	---	9.36	11.47	---
MAX	---	6.64	4.58	5.14	5.53	5.19	4.63	4.93	6.56	9.36	11.73	11.30
MIN	---	3.89	3.67	3.93	3.97	3.60	3.20	3.05	5.02	6.55	9.53	10.49

m Measured



KENNEBEC COUNTY

440918069564001 Local number, KW 766

LOCATION.--Lat 44° 09'18", long 69° 56'40" (NAD 27), 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: Top of casing, 2.19 ft below land-surface datum. Prior to Sept. 1, 2005, floor of recorder shelter, at land-surface datum, which was 2.7 ft above the general land surface.

REMARKS.--Missing record, Dec. 5 to Apr. 12.

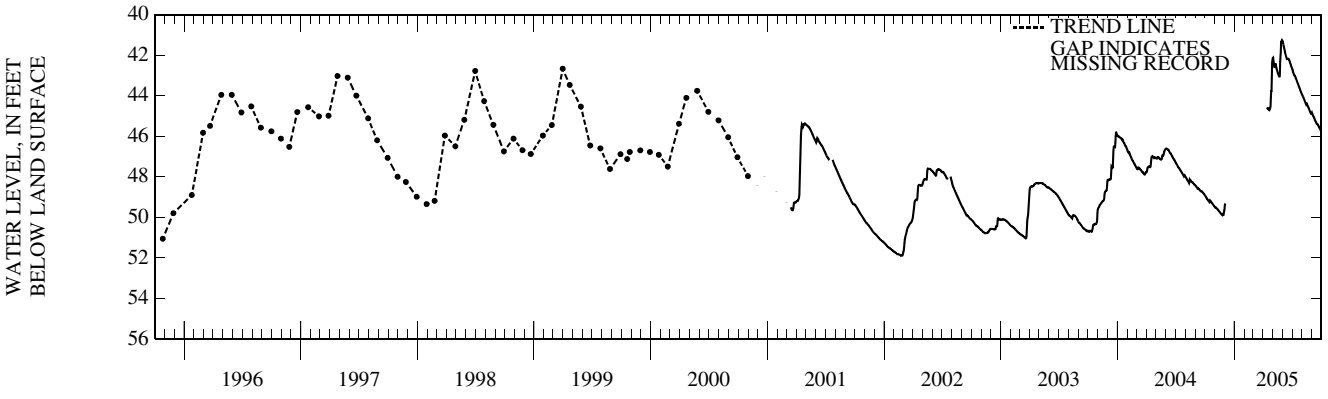
PERIOD OF RECORD.--June 1976 to current year.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48.93	49.49	49.62	---	---	---	---	42.14	41.34	42.67	43.95	m44.84
2	48.96	49.52	49.42	---	---	---	---	42.13	41.41	42.72	43.98	44.90
3	48.98	49.52	49.34	---	---	---	---	42.26	41.47	42.79	44.01	44.93
4	49.00	49.54	49.33	---	---	---	---	42.39	41.54	42.83	44.04	44.97
5	49.03	49.53	---	---	---	---	---	42.49	41.62	42.87	44.07	45.01
6	49.05	49.54	---	---	---	---	---	42.57	41.70	42.92	44.12	45.04
7	49.08	49.56	---	---	---	---	---	42.62	41.74	42.97	44.16	45.06
8	49.10	49.58	---	---	---	---	---	42.50	41.83	43.01	44.20	45.10
9	49.12	49.60	---	---	---	---	---	42.40	41.91	43.01	44.24	45.14
10	49.14	49.62	---	---	---	---	---	42.47	41.96	43.02	44.28	45.18
11	49.17	49.63	---	---	---	---	---	42.53	42.03	43.06	44.32	45.22
12	49.19	49.66	---	---	---	---	---	42.62	42.08	43.11	44.37	45.25
13	49.21	49.68	---	---	---	---	44.58	42.68	42.13	43.14	44.39	45.29
14	49.23	49.70	---	---	---	---	44.61	42.73	42.19	43.18	44.43	45.33
15	49.25	49.72	---	---	---	---	44.64	42.78	42.18	43.23	44.41	45.36
16	49.22	49.74	---	---	---	---	44.65	42.84	42.18	43.28	44.39	45.39
17	49.17	49.76	---	---	---	---	44.65	42.89	42.18	43.32	44.43	45.40
18	49.19	49.78	---	---	---	---	44.68	42.93	42.18	43.36	44.48	45.41
19	49.21	49.80	---	---	---	---	44.70	42.97	42.20	43.39	44.52	45.43
20	49.24	49.82	---	---	---	---	44.72	43.01	42.21	43.44	44.55	45.44
21	49.26	49.84	---	---	---	---	44.69	43.05	42.22	43.49	44.58	45.48
22	49.28	49.86	---	---	---	---	44.62	43.05	42.26	43.53	44.61	45.51
23	49.30	49.88	---	---	---	---	44.61	42.97	42.32	43.57	44.66	45.54
24	49.32	49.89	---	---	---	---	44.52	42.33	42.36	43.61	44.70	45.58
25	49.34	49.87	---	---	---	---	44.07	42.11	42.40	43.65	44.74	45.61
26	49.36	49.88	---	---	---	---	43.78	41.82	42.46	43.70	44.78	45.62
27	49.39	49.90	---	---	---	---	43.77	41.34	42.52	43.74	44.82	45.66
28	49.41	49.88	---	---	---	---	43.23	41.32	42.55	43.79	44.86	45.71
29	49.43	49.77	---	---	---	---	42.35	41.36	42.59	43.83	44.89	45.71
30	49.45	49.69	---	---	---	---	42.25	41.42	42.64	43.87	44.89	45.75
31	49.47	---	---	---	---	---	---	41.30	---	43.92	44.87	---
MAX	49.47	49.90	---	---	---	---	---	43.05	42.64	43.92	44.89	45.75
MIN	48.93	49.49	---	---	---	---	---	41.30	41.34	42.67	43.95	44.84

m Measured



KENNEBEC COUNTY—Continued

440810069553601 Local number, KW 872A

LOCATION.--Lat 44° 08'17", long 69° 55'36" (NAD 27), 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. Satellite telemeter at station. 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, 1.58 ft below land-surface datum. Prior to Sept. 7, 2005, top of casing, at land-surface datum, which was 2.2 ft above the general land surface.

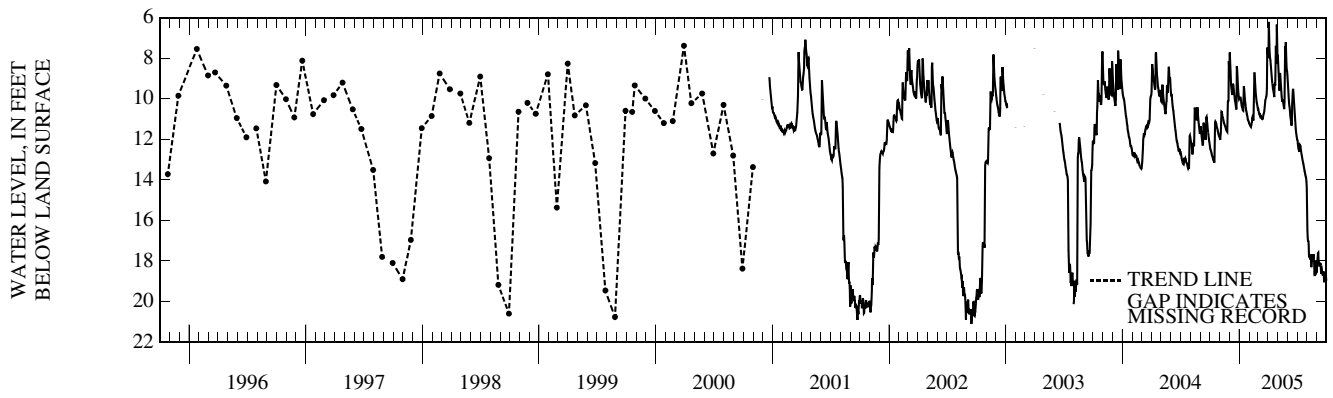
PERIOD OF RECORD.--November 1978 to current year.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.43	11.95	8.22	9.99	11.22	10.51	7.99	7.83	9.11	12.01	15.21	18.35
2	12.50	12.03	7.72	10.05	11.27	10.59	7.73	8.40	9.39	12.06	16.49	18.03
3	12.53	11.83	8.32	9.96	11.29	10.68	6.21	8.79	9.65	12.21	16.84	17.87
4	12.57	11.66	8.75	9.90	11.32	10.75	7.06	9.11	9.91	12.34	17.05	17.62
5	12.65	11.06	9.06	9.97	11.36	10.79	7.56	9.37	10.17	12.45	16.99	17.60
6	12.73	10.64	9.31	10.08	11.39	10.82	7.82	9.56	10.34	12.51	17.17	18.00
7	12.79	10.65	9.47	10.22	11.30	10.87	8.01	9.60	10.42	12.56	17.78	18.04
8	12.83	10.75	9.59	10.32	11.24	10.81	8.10	8.73	10.64	12.62	17.79	18.22
9	12.87	10.87	9.74	10.40	11.19	10.86	8.30	8.90	10.82	12.53	17.72	18.22
10	12.92	10.94	9.81	10.41	10.98	10.91	8.50	9.20	10.96	12.27	17.86	18.09
11	13.00	10.96	9.59	10.52	10.91	10.93	8.69	9.45	11.07	12.30	17.92	18.19
12	13.03	11.06	9.26	10.57	10.96	10.93	8.90	9.68	11.20	12.47	17.67	18.11
13	13.08	11.13	9.29	10.59	11.04	11.00	9.11	9.88	11.32	12.58	17.79	18.34
14	13.10	11.19	9.46	10.15	11.08	11.01	9.25	10.02	11.21	12.68	18.31	18.62
15	13.15	11.23	9.65	9.38	10.50	10.99	9.37	10.14	10.23	12.77	18.23	18.43
16	12.27	11.28	9.80	9.53	9.56	10.88	9.50	10.02	9.89	12.87	18.03	18.40
17	11.18	11.33	9.94	9.73	8.70	10.79	9.57	10.10	9.60	12.96	17.86	18.54
18	11.12	11.36	10.08	9.97	8.92	10.73	9.68	10.20	9.51	13.04	17.97	18.50
19	11.16	11.41	10.14	10.16	9.22	10.69	9.80	10.30	9.77	13.10	18.04	18.72
20	11.20	11.49	10.25	10.28	9.49	10.59	9.91	10.41	10.07	13.17	17.86	18.59
21	11.26	11.53	10.39	10.44	9.71	10.41	9.29	10.51	10.33	13.27	17.66	18.66
22	11.35	11.56	10.52	10.56	9.88	10.23	9.26	10.14	10.58	13.36	17.96	18.52
23	11.41	11.61	10.45	10.63	10.02	10.07	9.34	8.73	10.81	13.45	18.03	18.99
24	11.46	11.63	8.40	10.71	10.16	10.03	8.40	7.40	11.01	13.54	18.53	19.05
25	11.55	10.68	8.58	10.80	10.24	9.97	7.39	7.85	11.22	13.62	18.74	18.60
26	11.62	10.15	8.98	10.88	10.34	9.88	8.03	7.21	11.46	13.70	18.41	18.76
27	11.68	10.14	9.27	10.98	10.43	9.81	8.25	7.63	11.64	13.78	18.11	18.96
28	11.77	10.07	9.53	11.05	10.52	9.49	6.34	8.27	11.75	13.86	17.98	18.81
29	11.80	8.14	9.71	11.06	---	7.57	7.31	8.57	11.86	13.91	18.40	18.73
30	11.84	8.51	9.91	11.11	---	7.47	7.96	8.64	11.96	14.08	18.57	18.98
31	11.84	---	10.02	11.18	---	7.73	---	8.82	---	14.37	18.55	---
MAX	13.15	12.03	10.52	11.18	11.39	11.01	9.91	10.51	11.96	14.37	18.74	19.05
MIN	11.12	8.14	7.72	9.38	8.70	7.47	6.21	7.21	9.11	12.01	15.21	17.60



KENNEBEC COUNTY—Continued

441801069455501, KW 887

LOCATION.--Lat 44° 18'01", long 69° 45'55" (NAD 27), Hydrologic Unit 01030003, on State Route 9, at Pine Tree State Arboretum, approximately 1.2 mi south of the intersection with U.S. Route 201 and State Route 105 in Augusta. Owner: U.S. Geological Survey.

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., steel casing, depth 160 ft, cased to 38 ft, open hole.

INSTRUMENTATION.--Electronic water level recorder. Satellite telemeter at station.

DATUM.--Elevation of land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.00 ft above land-surface datum. Land-surface datum is at the general land surface.

REMARKS.--Water levels at this well are affected by nearby pumping.

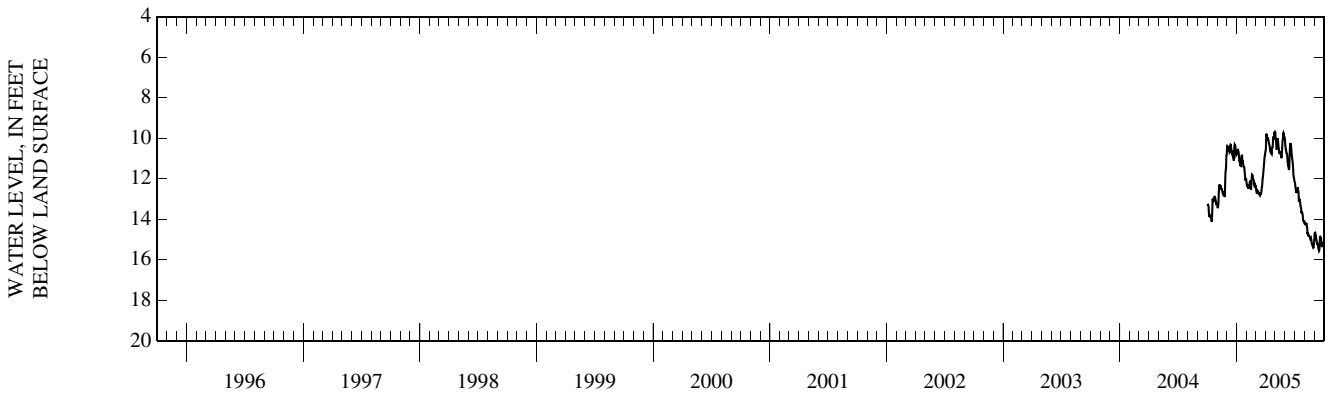
PERIOD OF RECORD.--October 2004 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 9.63 ft below land-surface datum, May 1, 2005; lowest recorded, 15.70 ft below land-surface datum, Sept. 15, 2005.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.34	13.34	10.52	10.68	12.30	12.31	10.63	9.68	10.19	12.15	14.14	14.78
2	13.30	13.46	10.39	10.74	12.42	12.45	10.49	9.90	10.39	12.20	14.20	14.67
3	13.28	13.35	10.40	10.59	12.35	12.61	9.92	10.09	10.54	12.38	14.21	14.66
4	13.34	13.27	10.44	10.58	12.34	12.68	9.78	10.27	10.59	12.49	14.26	14.74
5	13.57	12.76	10.46	10.62	12.41	12.66	9.92	10.52	10.73	12.64	14.25	14.81
6	13.88	12.46	10.61	10.66	12.50	12.62	10.01	10.57	10.76	12.63	14.22	14.95
7	13.82	12.31	10.61	10.85	12.43	12.75	9.98	10.44	10.78	12.65	14.23	15.05
8	13.80	12.32	10.57	11.03	12.39	12.62	9.99	10.00	10.99	12.71	14.34	15.13
9	13.85	m12.53	10.70	11.13	12.44	12.64	10.07	10.06	11.18	12.60	14.42	15.20
10	13.85	12.44	10.67	11.09	12.20	12.74	10.09	10.17	11.32	12.42	14.74	15.20
11	13.93	12.34	10.38	11.29	12.10	12.76	10.22	10.33	11.38	12.46	14.66	15.20
12	13.88	12.42	10.31	11.37	12.26	12.68	10.28	10.51	11.46	12.61	14.79	15.36
13	14.01	12.46	10.33	11.37	12.41	12.73	10.33	10.62	11.57	12.70	14.78	15.44
14	14.12	12.49	10.50	11.11	12.56	12.76	10.45	10.69	11.52	13.14	14.81	15.49
15	14.03	12.52	10.61	10.91	12.30	12.81	10.56	10.78	10.86	13.05	14.83	15.56
16	13.59	12.61	10.68	10.86	12.01	12.77	10.63	10.67	10.52	13.02	14.83	15.52
17	12.99	12.68	10.76	10.86	11.79	12.76	10.58	10.71	10.29	13.07	14.85	15.21
18	13.07	12.71	10.82	11.09	11.81	12.72	10.69	10.77	10.24	13.17	14.93	14.87
19	13.16	12.70	10.77	11.19	11.84	12.61	10.76	10.84	10.32	13.34	14.99	14.86
20	13.01	12.78	10.85	11.18	11.99	12.44	10.78	10.90	10.48	13.38	14.98	14.91
21	12.93	12.76	11.00	11.35	12.01	12.38	10.53	10.99	10.71	13.47	14.95	14.93
22	12.91	12.79	11.11	11.43	12.06	12.18	10.45	10.77	10.87	13.71	15.04	15.07
23	12.89	12.86	11.05	11.38	12.11	11.96	10.43	10.50	10.99	13.61	15.16	15.24
24	12.89	12.86	10.42	11.48	12.26	11.87	10.19	10.15	11.13	13.65	15.22	15.38
25	12.96	12.23	10.32	11.63	12.23	11.70	9.92	10.04	11.26	13.71	15.27	15.29
26	13.03	11.74	10.35	11.81	12.27	11.49	10.01	9.79	11.48	13.79	15.30	15.20
27	13.13	11.57	10.38	12.00	12.34	11.31	10.06	9.74	11.83	14.03	15.37	15.20
28	13.25	11.43	10.57	12.10	12.46	11.12	9.73	9.80	11.92	14.11	15.40	15.27
29	13.24	10.86	10.63	12.01	---	10.89	9.71	9.91	12.00	14.05	15.40	15.29
30	13.24	10.79	10.83	12.02	---	10.85	9.81	9.95	12.11	14.13	15.19	15.16
31	13.15	---	10.80	12.20	---	10.72	---	10.01	---	14.17	15.03	---
MAX	14.12	13.46	11.11	12.20	12.56	12.81	10.78	10.99	12.11	14.17	15.40	15.56
MIN	12.89	10.79	10.31	10.58	11.79	10.72	9.71	9.68	10.19	12.15	14.14	14.66

m Measured



OXFORD COUNTY

443647070552302 Local number, OW 400A

LOCATION.--Lat 44° 46'37", long 70° 55'23" (NAD 27), 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.

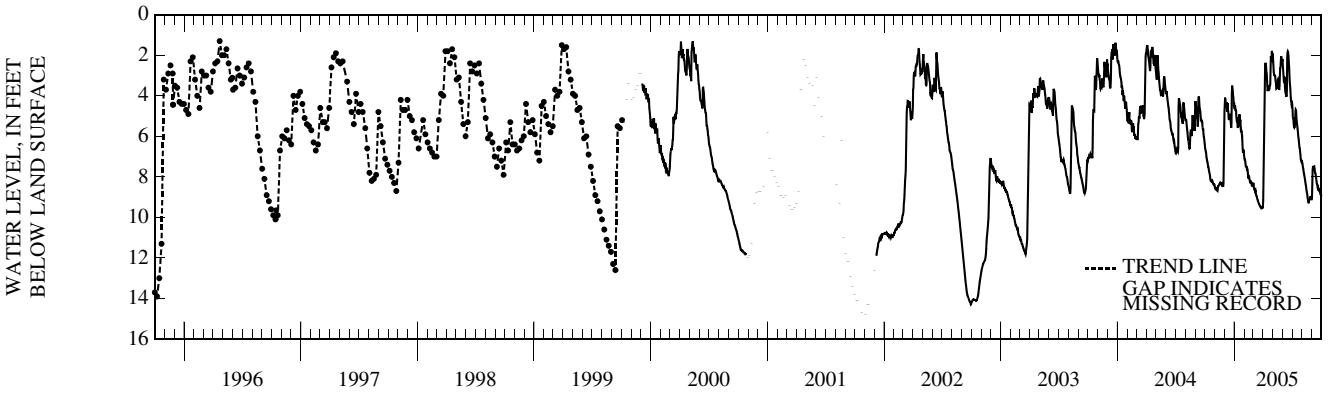
DATUM.--Elevation of land-surface datum is 1,444 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.50 ft above land-surface datum. Land-surface datum is at the general land surface.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.58	8.53	4.73	4.58	7.04	8.29	9.16	1.92	2.40	4.41	7.26	9.01
2	6.63	8.54	4.42	4.65	7.16	8.38	8.55	2.23	2.62	4.74	7.34	8.19
3	6.75	8.59	4.09	4.47	7.16	8.53	7.31	2.52	2.82	5.03	7.45	7.64
4	6.79	8.58	4.22	4.63	7.25	8.60	5.09	2.83	3.06	5.09	7.56	7.53
5	7.00	8.50	4.40	4.76	7.40	8.64	4.13	2.97	3.37	5.16	7.62	7.53
6	7.08	8.62	4.60	4.69	7.53	8.65	3.50	2.99	3.09	5.42	7.77	7.52
7	7.19	8.63	4.43	5.00	7.49	8.71	2.53	3.00	3.06	5.53	7.85	7.49
8	7.25	8.68	4.32	5.17	7.50	8.67	2.37	2.97	3.56	5.57	7.95	7.49
9	7.28	8.69	4.79	5.31	7.59	8.80	2.44	3.15	3.77	5.53	8.03	7.60
10	7.39	8.60	4.62	5.06	7.56	8.90	2.57	3.29	3.85	5.36	8.11	7.73
11	7.49	8.48	4.37	5.54	7.62	8.94	2.82	3.39	3.92	4.89	8.23	7.80
12	7.51	8.48	4.70	5.58	7.79	8.96	2.90	3.65	4.00	4.70	8.34	7.83
13	7.63	8.44	4.76	5.40	8.02	9.05	3.21	3.64	4.04	4.73	8.43	7.96
14	7.73	8.41	5.11	5.47	8.08	9.10	3.55	3.59	3.79	4.91	8.56	8.07
15	7.81	8.36	5.20	5.53	8.02	9.16	3.77	3.64	2.11	5.20	8.68	8.21
16	7.86	8.33	4.96	5.18	8.00	9.20	3.69	3.25	1.87	5.36	8.76	8.32
17	7.99	8.32	4.97	4.91	8.11	9.24	3.49	3.21	1.81	5.50	8.86	8.36
18	8.12	8.29	5.14	5.33	8.17	9.29	3.63	3.31	1.85	5.63	8.99	8.45
19	8.18	8.32	4.89	5.20	8.25	9.34	3.63	3.44	2.06	5.79	9.10	8.54
20	8.19	8.37	5.17	5.21	8.31	9.36	3.65	3.56	2.35	5.99	9.19	8.50
21	8.21	8.38	5.39	5.68	8.26	9.39	3.58	3.71	2.58	6.10	9.26	8.55
22	8.23	8.37	5.57	5.79	8.24	9.44	3.53	3.51	3.00	6.24	9.26	8.57
23	8.21	8.40	5.32	5.75	8.29	9.47	3.46	3.14	3.33	6.42	9.18	8.61
24	8.19	8.38	3.88	5.81	8.37	9.47	2.78	2.65	3.50	6.56	9.11	8.71
25	8.24	8.25	3.49	6.03	8.34	9.50	2.04	2.61	3.71	6.60	9.06	8.71
26	8.28	8.45	3.65	6.28	8.38	9.55	2.22	2.34	4.05	6.79	9.01	8.67
27	8.33	8.49	3.77	6.65	8.42	9.56	2.24	2.04	4.23	6.93	9.00	8.81
28	8.37	8.28	4.00	6.80	8.43	9.52	1.79	2.12	4.29	7.14	9.02	8.89
29	8.36	7.66	4.12	6.65	---	9.51	1.84	2.32	4.45	7.19	9.07	8.84
30	8.37	5.82	4.52	6.70	---	9.56	1.99	2.35	4.42	7.27	9.11	8.96
31	8.39	---	4.33	6.94	---	9.47	---	2.18	---	7.29	9.10	---
MAX	8.39	8.69	5.57	6.94	8.43	9.56	9.16	3.71	4.45	7.29	9.26	9.01
MIN	6.58	5.82	3.49	4.47	7.04	8.29	1.79	1.92	1.81	4.41	7.26	7.49



OXFORD COUNTY—Continued

440823070291501 Local number, OW 1214

LOCATION.--Lat 44° 08'23", long 70° 29'15" (NAD 27), 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.

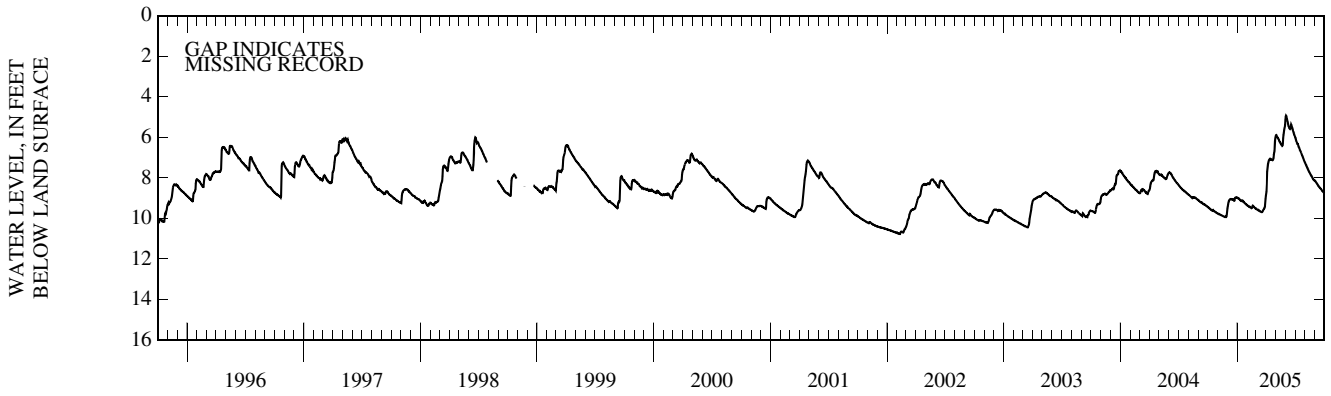
PERIOD OF RECORD.--September 1980 to current year.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.45	9.77	9.50	8.98	9.36	9.52	8.78	5.93	4.97	5.99	7.25	8.13
2	9.46	9.77	9.41	9.00	9.37	9.54	8.67	5.90	4.93	6.03	7.28	8.16
3	9.48	9.78	9.31	9.00	9.38	9.55	8.18	5.89	4.95	6.10	7.32	8.18
4	9.48	9.79	9.22	9.00	9.39	9.57	7.69	5.93	5.01	6.14	7.36	8.21
5	9.50	9.78	9.16	9.02	9.41	9.58	7.57	5.98	5.10	6.18	7.39	8.24
6	9.52	9.79	9.12	9.02	9.42	9.58	7.43	6.01	5.18	6.23	7.43	8.26
7	9.53	9.80	9.09	9.04	9.42	9.59	7.30	6.02	5.22	6.27	7.47	8.28
8	9.54	9.82	9.07	9.06	9.43	9.59	7.22	6.03	5.31	6.32	7.50	8.30
9	9.55	9.83	9.07	9.09	9.44	9.61	7.16	6.07	5.39	6.32	7.54	8.32
10	9.56	9.83	9.05	9.09	9.43	9.62	7.11	6.10	5.43	6.35	7.57	8.35
11	9.58	9.84	9.04	9.12	9.45	9.64	7.09	6.13	5.47	6.40	7.61	8.37
12	9.58	9.85	9.04	9.14	9.47	9.64	7.06	6.17	5.53	6.45	7.64	8.39
13	9.60	9.86	9.04	9.15	9.49	9.66	7.06	6.21	5.57	6.49	7.67	8.43
14	9.62	9.86	9.06	9.14	9.50	9.66	7.08	6.23	5.59	6.53	7.71	8.45
15	9.62	9.87	9.07	9.12	9.49	9.67	7.11	6.26	5.54	6.57	7.73	8.47
16	9.59	9.88	9.07	9.11	9.47	9.68	7.11	6.29	5.55	6.62	7.76	8.49
17	9.59	9.88	9.07	9.12	9.41	9.69	7.09	6.33	5.45	6.66	7.79	8.50
18	9.61	9.89	9.08	9.15	9.37	9.69	7.11	6.36	5.36	6.69	7.83	8.52
19	9.62	9.90	9.07	9.16	9.38	9.69	7.12	6.37	5.40	6.72	7.86	8.54
20	9.64	9.91	9.08	9.17	9.39	9.67	7.12	6.40	5.45	6.76	7.88	8.55
21	9.65	9.92	9.11	9.20	9.41	9.65	7.13	6.42	5.50	6.81	7.90	8.57
22	9.66	9.93	9.13	9.22	9.43	9.62	7.11	6.40	5.56	6.85	7.93	8.60
23	9.67	9.93	9.12	9.22	9.45	9.58	7.08	6.32	5.63	6.89	7.96	8.62
24	9.68	9.94	9.01	9.24	9.48	9.55	7.01	6.04	5.68	6.93	7.99	8.65
25	9.69	9.91	8.99	9.25	9.49	9.53	6.85	5.89	5.72	6.96	8.02	8.66
26	9.70	9.92	8.98	9.27	9.50	9.51	6.74	5.79	5.79	7.01	8.05	8.67
27	9.71	9.92	8.97	9.29	9.52	9.48	6.67	5.65	5.84	7.05	8.08	8.69
28	9.72	9.90	8.97	9.31	9.53	9.41	6.42	5.56	5.88	7.10	8.10	8.72
29	9.73	9.79	8.96	9.32	---	9.21	6.10	5.51	5.92	7.13	8.11	8.72
30	9.74	9.63	8.98	9.33	---	9.03	6.00	5.39	5.96	7.18	8.12	8.74
31	9.75	---	8.97	9.35	---	8.89	---	5.14	---	7.22	8.12	---
MAX	9.75	9.94	9.50	9.35	9.53	9.69	8.78	6.42	5.96	7.22	8.12	8.74
MIN	9.45	9.63	8.96	8.98	9.36	8.89	6.00	5.14	4.93	5.99	7.25	8.13



PENOBSCOT COUNTY

445319068560101 Local number, PEW 456

LOCATION.--Lat 44° 53'19", long 68° 56'01" (NAD 27), 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.

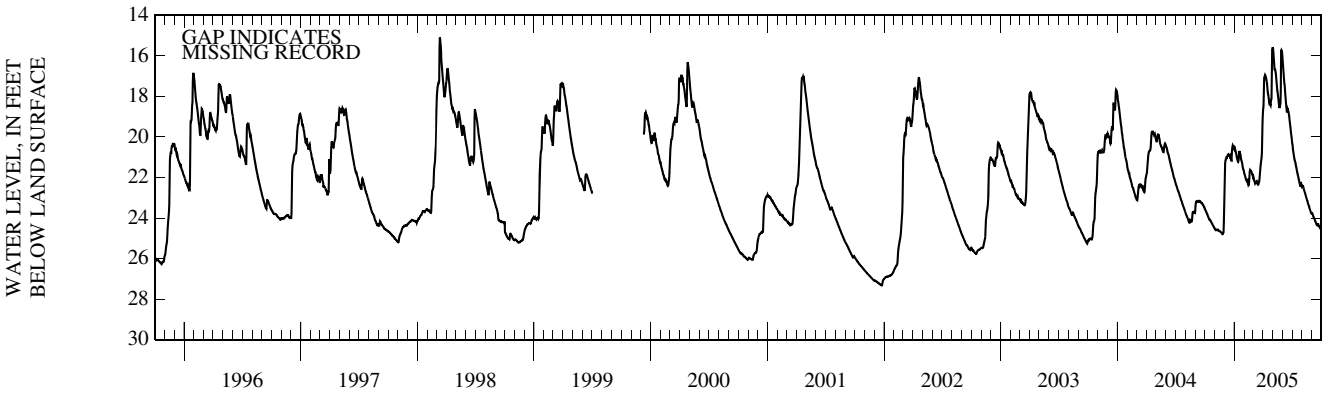
PERIOD OF RECORD.--April 1978 to current year.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.56	24.54	22.65	20.54	21.79	21.93	18.60	15.57	16.19	20.30	22.49	23.78
2	23.60	24.57	21.93	20.62	21.86	21.99	18.47	15.68	16.42	20.41	22.49	23.77
3	23.63	24.58	21.32	20.59	21.90	22.08	17.79	15.85	16.65	20.55	22.41	23.80
4	23.66	24.59	21.16	20.65	21.95	22.15	17.10	16.12	16.87	20.67	22.42	23.85
5	23.71	24.57	21.10	20.71	22.02	22.20	17.06	16.37	17.13	20.77	22.46	23.90
6	23.75	24.57	21.09	20.77	22.09	22.23	17.00	16.57	17.35	20.88	22.53	23.94
7	23.78	24.56	21.03	20.84	22.11	22.29	16.94	16.70	17.41	20.99	22.59	23.98
8	23.81	24.57	20.95	20.95	22.14	22.27	16.98	16.64	17.66	21.08	22.65	24.01
9	23.84	24.59	21.01	21.03	22.18	22.24	17.04	16.72	17.89	21.15	22.70	24.05
10	23.88	24.60	20.97	21.03	22.13	22.21	17.07	16.82	18.08	21.19	22.75	24.10
11	23.92	24.59	20.89	21.14	22.12	22.18	17.19	16.96	18.28	21.25	22.80	24.14
12	23.95	24.61	20.87	21.22	22.20	22.17	17.25	17.18	18.43	21.35	22.86	24.17
13	24.00	24.62	20.85	21.23	22.30	22.24	17.39	17.37	18.60	21.42	22.91	24.21
14	24.05	24.63	20.88	21.18	22.37	22.28	17.58	17.53	18.79	21.50	22.97	24.25
15	24.08	24.64	20.91	20.93	22.35	22.32	17.76	17.71	18.68	21.59	23.03	24.29
16	24.08	24.65	20.89	20.75	22.20	22.35	17.86	17.78	18.59	21.67	23.08	24.34
17	24.08	24.66	20.89	20.69	21.95	22.34	17.93	17.93	18.63	21.75	23.12	24.36
18	24.11	24.67	20.95	20.79	21.69	22.29	18.07	18.08	18.68	21.82	23.18	24.31
19	24.15	24.68	20.91	20.84	21.63	22.25	18.19	18.23	18.77	21.89	23.24	24.29
20	24.17	24.70	20.96	20.85	21.65	22.15	18.30	18.35	18.85	21.96	23.29	24.29
21	24.20	24.71	21.06	21.00	21.66	21.97	18.27	18.51	18.95	22.04	23.33	24.32
22	24.24	24.73	21.15	21.10	21.67	21.79	18.33	18.57	19.10	22.11	23.38	24.36
23	24.27	24.76	21.17	21.14	21.70	21.59	18.41	18.51	19.25	22.18	23.44	24.39
24	24.29	24.78	20.81	21.20	21.78	21.39	18.45	18.40	19.38	22.26	23.50	24.43
25	24.32	24.76	20.57	21.28	21.80	21.26	18.23	18.33	19.50	22.32	23.54	24.46
26	24.35	24.77	20.49	21.38	21.84	21.15	18.16	17.73	19.67	22.39	23.59	24.48
27	24.38	24.76	20.42	21.48	21.88	21.01	18.09	15.75	19.81	22.44	23.64	24.51
28	24.42	24.72	20.47	21.56	21.96	20.77	17.16	15.72	19.93	22.30	23.69	24.55
29	24.44	24.25	20.48	21.58	---	19.89	15.69	15.77	20.05	22.29	23.73	24.57
30	24.47	23.22	20.58	21.63	---	19.22	15.65	15.81	20.20	22.37	23.77	24.60
31	24.49	---	20.57	21.72	---	18.84	---	15.99	---	22.44	23.79	---
MAX	24.49	24.78	22.65	21.72	22.37	22.35	18.60	18.57	20.20	22.44	23.79	24.60
MIN	23.56	23.22	20.42	20.54	21.63	18.84	15.65	15.57	16.19	20.30	22.41	23.77



PENOBSCOT COUNTY—Continued

453629068531801 Local number, PEW 594

LOCATION.--Lat 45° 36'29", long 68° 53'18" (NAD 27), 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.

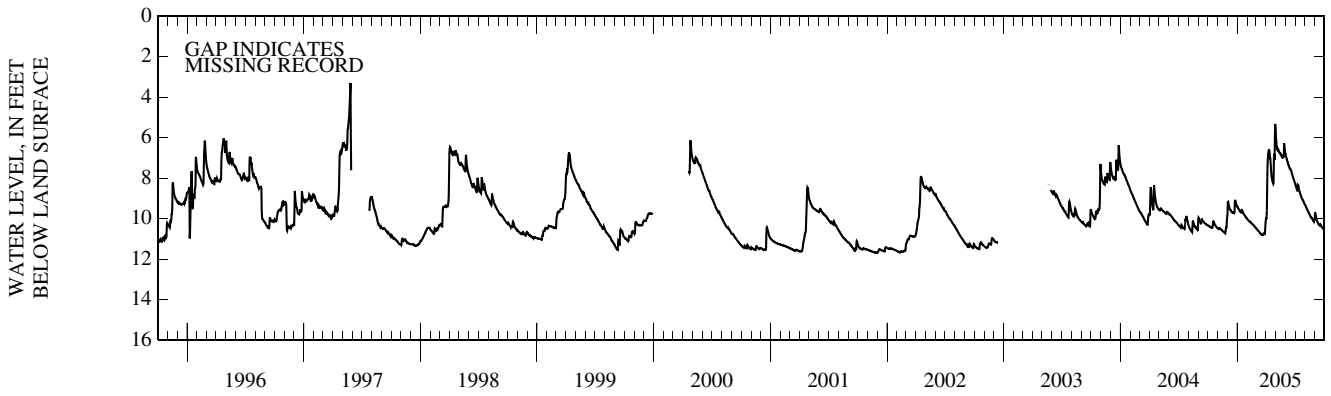
DATUM.--Elevation of land-surface datum is 520 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.00 ft above land-surface datum. Prior to Sept. 17, 2003, top of casing, 3.50 ft above land-surface datum. Land-surface datum is at the general land surface.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.34	10.47	9.81	9.42	10.01	10.47	9.97	5.75	6.85	8.27	9.31	9.73
2	10.35	10.49	9.18	9.44	10.03	10.50	9.97	6.07	6.91	8.32	9.33	9.73
3	10.36	10.50	9.16	9.45	10.05	10.52	9.60	6.28	6.97	8.38	9.37	9.81
4	10.36	10.51	9.23	9.48	10.07	10.54	8.41	6.44	7.03	8.43	9.41	9.90
5	10.37	10.50	9.32	9.52	10.09	10.56	7.42	6.54	7.10	8.48	9.44	9.97
6	10.38	10.47	9.40	9.54	10.11	10.57	7.07	6.60	7.15	8.52	9.48	10.03
7	10.40	10.47	9.45	9.57	10.12	10.60	6.84	6.62	7.18	8.56	9.52	10.08
8	10.41	10.48	9.49	9.60	10.14	10.61	6.71	6.57	7.26	8.61	9.56	10.12
9	10.41	10.50	9.54	9.63	10.16	10.63	6.62	6.60	7.32	8.60	9.59	10.16
10	10.42	10.51	9.56	9.63	10.15	10.65	6.60	6.64	7.33	8.34	9.63	10.19
11	10.44	10.52	9.57	9.67	10.15	10.67	6.62	6.67	7.40	8.37	9.66	10.22
12	10.43	10.55	9.61	9.69	10.18	10.69	6.77	6.72	7.45	8.49	9.69	10.25
13	10.42	10.56	9.63	9.70	10.22	10.71	7.02	6.74	7.50	8.57	9.71	10.28
14	10.43	10.57	9.66	9.64	10.24	10.73	7.03	6.77	7.55	8.63	9.76	10.31
15	10.44	10.59	9.68	9.53	10.25	10.75	7.29	6.79	7.54	8.65	9.78	10.33
16	10.33	10.60	9.69	9.57	10.25	10.75	7.58	6.79	7.56	8.72	9.81	10.34
17	10.16	10.62	9.69	9.60	10.26	10.77	7.78	6.83	7.58	8.77	9.84	10.33
18	10.13	10.63	9.70	9.67	10.27	10.79	7.92	6.87	7.62	8.82	9.88	10.29
19	10.16	10.65	9.69	9.71	10.29	10.80	8.04	6.90	7.69	8.86	9.92	10.32
20	10.19	10.66	9.70	9.73	10.31	10.81	8.11	6.93	7.74	8.90	9.94	10.35
21	10.23	10.68	9.71	9.77	10.33	10.81	8.17	6.98	7.79	8.95	9.95	10.37
22	10.26	10.69	9.72	9.80	10.34	10.80	8.23	6.99	7.85	8.99	9.96	10.39
23	10.29	10.71	9.69	9.81	10.36	10.77	8.26	6.92	7.91	9.02	9.98	10.42
24	10.32	10.72	9.13	9.83	10.39	10.74	8.20	6.94	7.96	9.07	10.02	10.44
25	10.35	10.62	9.07	9.86	10.40	10.74	7.04	7.00	8.01	9.08	10.05	10.46
26	10.38	10.48	9.14	9.88	10.42	10.75	6.80	6.84	8.05	9.09	10.08	10.48
27	10.40	10.43	9.19	9.91	10.44	10.76	7.10	6.29	8.09	9.14	10.11	10.48
28	10.42	10.43	9.26	9.94	10.47	10.74	6.26	6.44	8.14	9.17	10.14	10.50
29	10.44	10.13	9.31	9.95	---	10.45	5.32	6.59	8.18	9.21	10.16	10.52
30	10.45	9.90	9.38	9.97	---	10.20	5.48	6.71	8.24	9.26	10.10	10.50
31	10.45	---	9.40	9.99	---	10.04	---	6.79	---	9.29	9.98	---
MAX	10.45	10.72	9.81	9.99	10.47	10.81	9.97	7.00	8.24	9.29	10.16	10.52
MIN	10.13	9.90	9.07	9.42	10.01	10.04	5.32	5.75	6.85	8.27	9.31	9.73



SOMERSET COUNTY

445148069513301 Local number, SMW 61

LOCATION.--Lat 44° 51'48", long 69° 51'33" (NAD 27), 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.

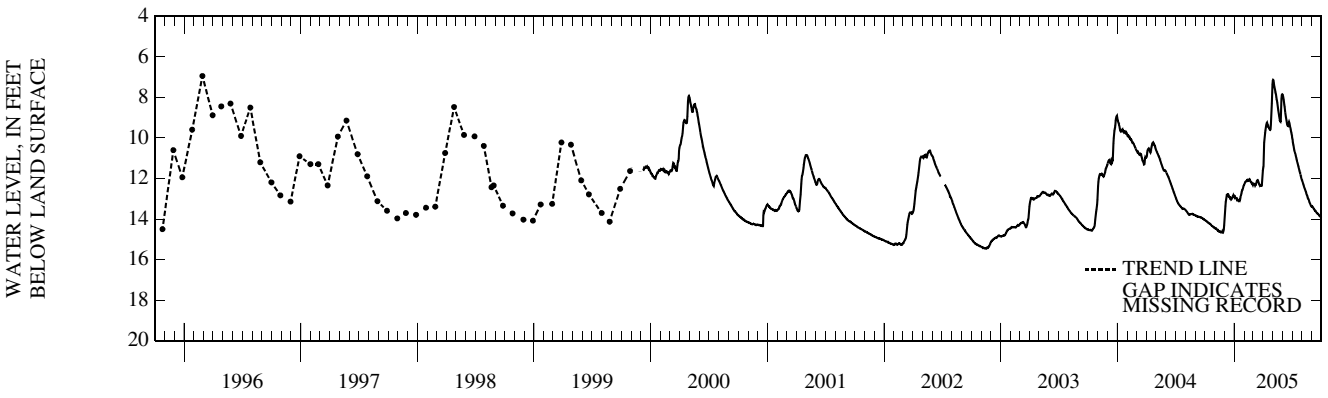
DATUM.--Elevation of land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 0.72 ft above land-surface datum. Prior to Dec. 1999, Top of casing, 3.50 ft above land-surface datum. Land-surface datum is at the general land surface.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.06	14.45	14.05	12.87	12.30	12.27	11.48	7.17	7.87	9.99	12.08	13.39
2	14.07	14.46	13.86	12.93	12.26	12.26	11.39	7.13	7.93	10.08	12.12	13.38
3	14.08	14.47	13.62	12.90	12.21	12.28	10.78	7.14	8.01	10.20	12.17	13.40
4	14.08	14.48	13.36	12.93	12.18	12.30	10.23	7.25	8.11	10.29	12.23	13.42
5	14.10	14.47	13.16	12.96	12.17	12.31	10.10	7.38	8.24	10.35	12.27	13.45
6	14.11	14.48	13.05	12.96	12.15	12.30	9.94	7.48	8.37	10.45	12.34	13.47
7	14.13	14.49	12.95	12.98	12.12	12.35	9.76	7.55	8.46	10.55	12.39	13.50
8	14.14	14.52	12.85	13.01	12.10	12.32	9.62	7.62	8.61	10.62	12.43	13.52
9	14.15	14.55	12.85	13.05	12.11	12.31	9.51	7.72	8.75	10.67	12.47	13.54
10	14.16	14.57	12.82	13.02	12.11	12.27	9.41	7.79	8.86	10.73	12.51	13.57
11	14.18	14.55	12.76	13.07	12.08	12.21	9.34	7.86	8.97	10.77	12.56	13.59
12	14.18	14.58	12.77	13.08	12.09	12.14	9.26	7.98	9.07	10.85	12.62	13.60
13	14.20	14.60	12.78	13.07	12.12	12.13	9.24	8.09	9.15	10.91	12.65	13.63
14	14.21	14.61	12.84	13.07	12.11	12.09	9.30	8.16	9.26	10.97	12.71	13.65
15	14.22	14.62	12.89	13.11	12.06	12.08	9.38	8.26	9.33	11.05	12.77	13.67
16	14.22	14.63	12.90	13.11	12.04	12.10	9.42	8.38	9.37	11.12	12.81	13.70
17	14.23	14.63	12.91	13.06	12.03	12.14	9.42	8.51	9.40	11.18	12.84	13.70
18	14.25	14.62	12.96	13.09	12.04	12.20	9.47	8.62	9.41	11.24	12.91	13.72
19	14.27	14.63	12.94	13.04	12.10	12.26	9.49	8.72	9.34	11.30	12.96	13.74
20	14.29	14.65	12.96	12.92	12.14	12.29	9.52	8.82	9.25	11.37	12.99	13.75
21	14.30	14.64	13.00	12.87	12.16	12.32	9.57	8.93	9.20	11.43	13.00	13.77
22	14.33	14.64	13.04	12.82	12.16	12.35	9.59	9.01	9.25	11.49	13.05	13.79
23	14.34	14.65	13.02	12.73	12.18	12.34	9.60	9.10	9.36	11.56	13.10	13.80
24	14.35	14.66	12.98	12.65	12.24	12.33	9.57	9.18	9.42	11.63	13.16	13.83
25	14.36	14.61	12.95	12.59	12.25	12.34	9.35	9.20	9.48	11.67	13.20	13.85
26	14.37	14.64	12.92	12.57	12.27	12.36	8.96	9.12	9.58	11.74	13.23	13.85
27	14.39	14.66	12.87	12.53	12.29	12.36	8.61	8.55	9.67	11.79	13.27	13.87
28	14.40	14.60	12.87	12.48	12.33	12.28	8.29	8.07	9.74	11.88	13.31	13.90
29	14.41	14.50	12.83	12.41	---	12.06	7.73	7.90	9.81	11.93	13.35	13.90
30	14.42	14.30	12.86	12.35	---	11.82	7.35	7.86	9.91	12.00	13.38	13.93
31	14.43	---	12.85	12.33	---	11.61	---	7.85	---	12.05	13.39	---
MAX	14.43	14.66	14.05	13.11	12.33	12.36	11.48	9.20	9.91	12.05	13.39	13.93
MIN	14.06	14.30	12.76	12.33	12.03	11.61	7.35	7.13	7.87	9.99	12.08	13.38



WALDO COUNTY

442822069081301 Local number, WOW 85

LOCATION.--Lat 44° 28'22", long 69° 08'13" (NAD 27), 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.

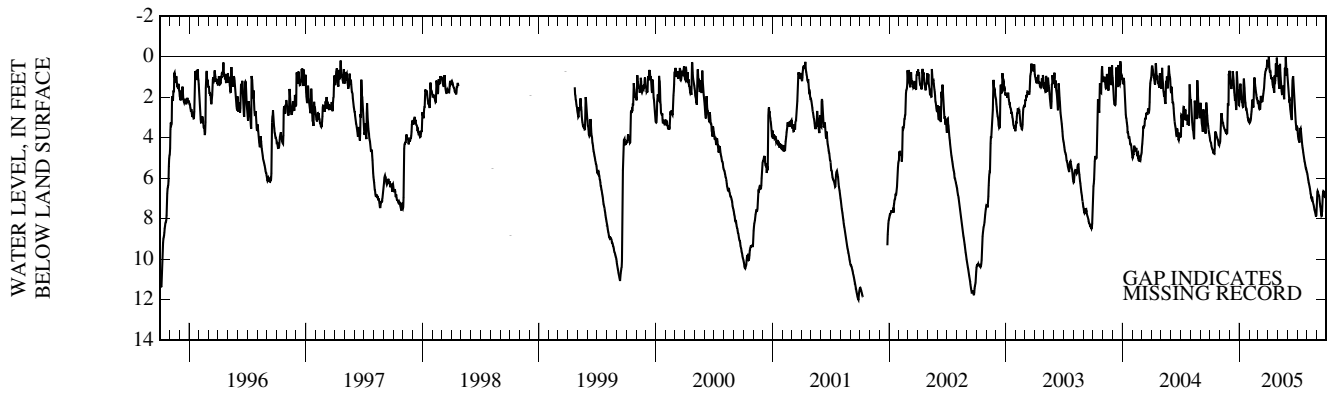
DATUM.--Elevation of land-surface datum is 334 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.06 ft above land-surface datum. Land-surface datum is at the general land surface.

PERIOD OF RECORD.--November 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -0.08 ft below land-surface datum, Apr. 3, 2005; lowest recorded, 11.99 ft below land-surface datum, Sept. 26, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.12	4.25	0.70	1.94	3.23	2.18	0.52	0.44	1.11	3.46	5.72	7.06
2	4.18	4.21	0.77	1.96	3.27	2.32	0.46	0.86	1.29	3.53	5.80	6.74
3	4.23	3.89	1.08	1.46	3.24	2.48	0.00	1.11	1.49	3.80	5.91	6.63
4	4.26	3.51	1.21	1.34	3.23	2.56	0.28	1.31	1.71	3.95	6.02	6.68
5	4.40	2.98	1.29	1.43	3.18	2.59	0.59	1.47	1.97	4.07	6.09	6.76
6	4.45	2.79	1.48	1.68	3.06	2.58	0.75	1.58	2.15	4.12	6.21	6.81
7	4.52	2.91	1.60	2.01	2.85	2.61	0.76	1.19	2.13	4.15	6.27	6.84
8	4.56	3.07	1.30	2.16	2.72	2.28	0.75	0.36	2.42	4.24	6.35	6.90
9	4.58	3.21	1.35	2.29	2.50	1.94	0.93	0.80	2.60	4.11	6.43	7.06
10	4.64	3.27	1.36	2.21	2.12	2.06	1.00	1.06	2.74	3.54	6.53	7.24
11	4.69	3.27	0.72	2.41	2.15	2.10	1.12	1.24	2.87	3.58	6.64	7.37
12	4.67	3.41	0.81	2.48	2.31	2.08	1.05	1.48	2.97	3.55	6.76	7.45
13	4.74	3.44	0.99	2.46	2.47	2.21	1.02	1.70	3.08	3.69	6.82	7.64
14	4.79	3.49	1.19	1.39	2.52	2.21	1.22	1.84	3.13	3.87	6.95	7.76
15	4.80	3.53	1.49	1.08	1.94	2.11	1.38	1.83	1.69	4.07	7.01	7.87
16	4.52	3.59	1.76	1.34	1.31	1.94	1.45	1.43	1.17	4.24	6.95	7.85
17	3.83	3.63	1.92	1.55	1.03	1.82	1.43	1.54	1.05	4.39	6.95	7.63
18	3.70	3.65	2.12	1.91	1.17	1.68	1.57	1.60	0.97	4.50	7.08	7.19
19	3.74	3.70	2.12	2.18	1.37	1.57	1.69	1.75	1.27	4.60	7.17	6.88
20	3.78	3.77	2.13	2.29	1.53	1.31	1.78	1.96	1.60	4.73	7.22	6.69
21	3.86	3.78	2.37	2.49	1.65	1.07	0.93	2.11	1.93	4.84	7.27	6.63
22	3.94	3.74	2.63	2.59	1.78	0.90	1.16	1.34	2.19	4.94	7.36	6.65
23	3.97	3.79	2.35	2.59	1.90	0.77	1.19	0.56	2.44	5.05	7.45	6.69
24	4.01	3.78	0.74	2.67	2.06	0.72	0.93	0.60	2.68	5.16	7.54	6.87
25	4.10	2.98	1.06	2.78	2.06	0.64	0.34	0.59	2.93	5.22	7.61	6.90
26	4.12	2.31	1.35	2.87	2.14	0.63	0.87	0.03	3.22	5.33	7.66	6.85
27	4.22	2.42	1.59	3.00	2.23	0.60	1.00	0.38	3.41	5.41	7.74	6.92
28	4.34	2.36	1.97	3.06	2.34	0.43	0.05	0.74	3.52	5.52	7.82	6.96
29	4.33	0.85	2.15	3.02	---	0.16	0.46	0.95	3.64	5.53	7.90	6.81
30	4.37	1.04	2.39	3.10	---	0.35	0.74	0.59	3.47	5.61	7.85	6.80
31	4.26	---	2.41	3.21	---	0.42	---	0.90	---	5.68	7.48	---
MAX	4.80	4.25	2.63	3.21	3.27	2.61	1.78	2.11	3.64	5.68	7.90	7.87
MIN	3.70	0.85	0.70	1.08	1.03	0.16	0.00	0.03	0.97	3.46	5.72	6.63



WASHINGTON COUNTY

450713067162801 Local number, WW 796

LOCATION.--Lat 45° 07'13", long 67° 16'28" (NAD 27), 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.

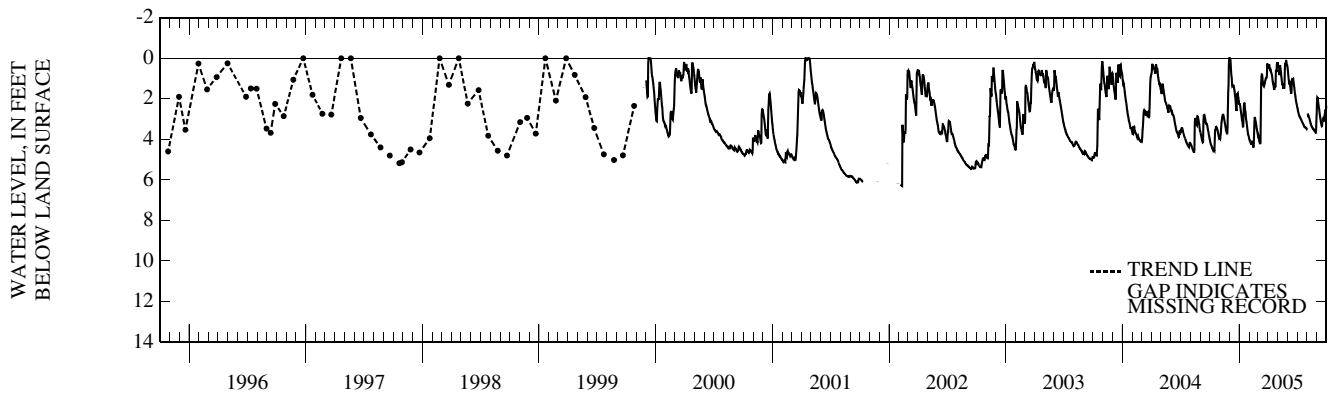
REMARKS.--Missing record, Aug. 2.

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, 2001, and 2005; 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.10	3.95	0.00	2.22	3.98	3.80	0.43	0.21	0.52	2.40	3.47	2.12
2	4.17	3.97	0.00	2.27	4.05	3.88	0.51	0.34	0.70	2.45	---	1.94
3	4.22	3.83	0.00	2.30	4.08	3.99	0.45	0.43	0.88	2.56	2.73	1.95
4	4.27	3.67	0.02	2.42	4.12	4.08	0.30	0.52	1.03	2.63	2.82	2.07
5	4.29	3.40	0.31	2.54	4.17	4.14	0.43	0.65	1.19	2.69	2.81	2.20
6	4.36	3.18	0.64	2.66	4.22	4.18	0.53	0.83	1.30	2.74	2.85	2.33
7	4.41	3.08	0.87	2.76	4.21	4.24	0.56	0.75	1.12	2.81	2.90	2.44
8	4.45	2.95	0.97	2.90	4.21	4.12	0.55	0.34	1.24	2.86	2.95	2.55
9	4.48	2.86	1.23	3.03	4.20	2.40	0.64	0.47	1.42	2.88	3.01	2.68
10	4.50	2.81	1.39	3.08	4.12	1.24	0.67	0.58	1.54	2.89	3.07	2.82
11	4.54	2.75	1.37	3.23	4.13	0.93	0.72	0.71	1.66	2.93	3.14	2.93
12	4.48	2.82	1.34	3.36	4.25	0.81	0.77	0.89	1.75	2.98	3.22	3.00
13	4.50	2.88	1.34	3.41	4.34	0.81	0.85	1.04	1.59	3.01	3.24	3.14
14	4.54	2.96	1.35	2.89	4.41	0.96	0.99	1.17	1.08	3.04	3.30	3.22
15	4.56	3.05	1.45	2.32	4.22	1.15	1.13	1.28	1.02	3.07	3.35	3.29
16	4.05	3.15	1.53	2.23	3.65	1.25	1.23	1.28	1.03	3.12	3.39	3.34
17	3.56	3.24	1.62	2.22	3.14	1.33	1.29	1.40	1.04	3.15	3.40	3.32
18	3.55	3.33	1.81	2.41	2.89	1.37	1.39	1.50	1.02	3.18	3.45	3.11
19	3.47	3.42	1.90	2.57	2.96	1.39	1.49	1.39	1.13	3.21	3.48	3.04
20	3.40	3.52	2.06	2.63	3.06	1.34	1.55	1.41	1.24	3.24	3.50	3.01
21	3.39	3.59	2.29	2.84	3.12	1.25	1.33	1.51	1.37	3.28	3.49	2.96
22	3.42	3.63	2.50	3.03	3.22	1.17	1.36	1.32	1.51	3.32	3.51	2.98
23	3.46	3.70	2.61	3.12	3.33	1.09	1.43	0.54	1.65	3.36	3.55	3.01
24	3.50	3.75	2.05	3.24	3.47	1.03	1.36	0.23	1.77	3.40	3.58	3.12
25	3.57	3.40	1.77	3.36	3.54	0.98	0.64	0.38	1.88	3.40	3.60	2.79
26	3.65	2.22	1.75	3.51	3.62	0.98	0.57	0.22	2.02	3.41	3.61	2.71
27	3.73	1.67	1.73	3.63	3.70	0.96	0.67	0.09	2.12	3.42	3.64	2.60
28	3.82	1.37	1.88	3.74	3.82	0.83	0.32	0.20	2.19	3.43	3.67	2.60
29	3.88	0.37	1.97	3.78	---	0.26	0.20	0.30	2.27	3.43	3.67	2.55
30	3.94	0.00	2.18	3.83	---	0.31	0.33	0.33	2.35	3.46	3.10	2.35
31	3.92	---	2.29	3.92	---	0.41	---	0.41	---	3.49	2.77	---
MAX	4.56	3.97	2.61	3.92	4.41	4.24	1.55	1.51	2.35	3.49	---	3.34
MIN	3.39	0.00	0.00	2.22	2.89	0.26	0.20	0.09	0.52	2.40	---	1.94



WASHINGTON COUNTY—Continued

445227067520101 Local number, WW 797

LOCATION.--Lat 44° 52'27", long 67° 52'01" (NAD 27), 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.

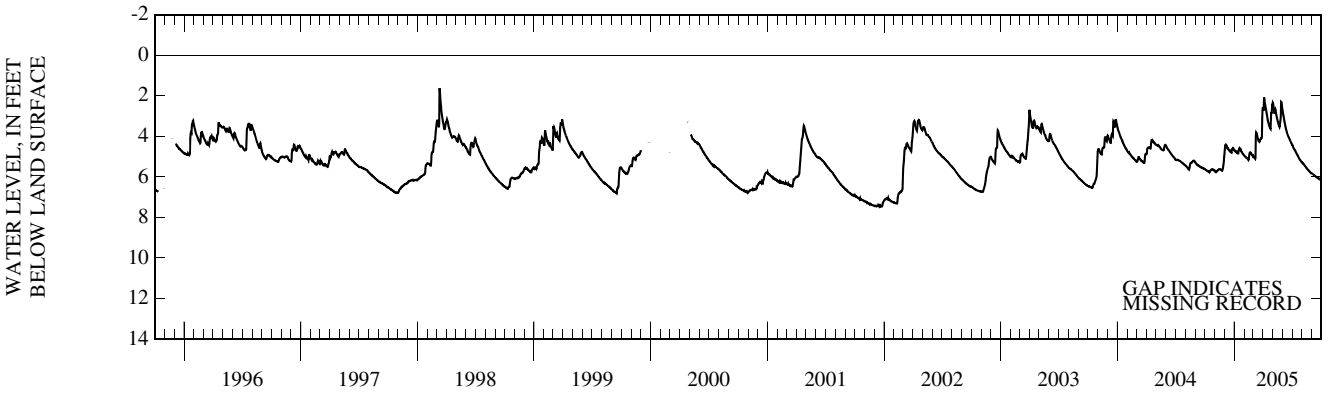
DATUM.--Elevation of land-surface datum is 250 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing 3.42 ft above land-surface datum. Land-surface datum is at the general land surface.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.63	5.72	4.87	4.68	4.95	4.96	2.63	2.33	2.78	4.42	5.29	5.83
2	5.64	5.74	4.66	4.72	4.97	5.00	2.74	2.37	2.87	4.44	5.30	5.84
3	5.65	5.74	4.49	4.71	4.99	5.03	2.41	2.49	2.95	4.49	5.32	5.85
4	5.66	5.76	4.42	4.73	5.00	5.05	2.08	2.62	3.04	4.52	5.34	5.87
5	5.67	5.73	4.40	4.74	5.02	5.07	2.23	2.73	3.14	4.55	5.35	5.88
6	5.69	5.75	4.44	4.74	5.04	5.09	2.34	2.83	3.24	4.58	5.37	5.90
7	5.70	5.74	4.47	4.75	5.05	5.11	2.44	2.89	3.30	4.62	5.39	5.91
8	5.71	5.72	4.46	4.78	5.06	5.03	2.51	2.72	3.39	4.65	5.42	5.92
9	5.71	5.71	4.54	4.80	5.08	3.98	2.60	2.67	3.48	4.67	5.44	5.93
10	5.72	5.69	4.58	4.78	5.08	3.81	2.69	2.74	3.55	4.69	5.46	5.95
11	5.73	5.66	4.57	4.82	5.08	3.83	2.80	2.84	3.62	4.72	5.48	5.96
12	5.73	5.65	4.60	4.84	5.12	3.89	2.88	2.93	3.68	4.76	5.51	5.97
13	5.75	5.64	4.63	4.85	5.15	3.97	2.98	3.01	3.73	4.79	5.52	5.99
14	5.77	5.63	4.66	4.74	5.17	4.04	3.08	3.08	3.79	4.82	5.54	6.00
15	5.77	5.62	4.68	4.65	5.12	4.09	3.18	3.16	3.85	4.85	5.56	6.01
16	5.74	5.62	4.69	4.62	4.99	4.15	3.25	3.23	3.89	4.88	5.58	6.03
17	5.70	5.62	4.70	4.59	4.88	4.19	3.30	3.29	3.93	4.91	5.60	6.03
18	5.70	5.62	4.73	4.62	4.80	4.23	3.36	3.35	3.98	4.94	5.62	6.04
19	5.68	5.63	4.72	4.65	4.79	4.26	3.43	3.40	4.02	4.96	5.64	6.05
20	5.66	5.65	4.74	4.63	4.80	4.28	3.48	3.44	4.05	4.99	5.66	6.05
21	5.65	5.66	4.77	4.69	4.81	4.25	3.54	3.49	4.08	5.03	5.67	6.06
22	5.64	5.67	4.80	4.74	4.82	4.22	3.58	3.53	4.11	5.06	5.69	6.07
23	5.63	5.69	4.80	4.74	4.85	4.17	3.61	3.47	4.15	5.09	5.71	6.08
24	5.62	5.70	4.65	4.76	4.89	4.13	3.63	3.29	4.19	5.12	5.73	6.10
25	5.63	5.66	4.63	4.79	4.91	4.12	3.14	3.23	4.22	5.14	5.75	6.11
26	5.63	5.60	4.61	4.82	4.93	4.10	2.81	3.00	4.26	5.16	5.76	6.12
27	5.64	5.47	4.59	4.86	4.95	4.09	2.88	2.30	4.30	5.19	5.78	6.13
28	5.66	5.38	4.61	4.88	4.98	4.02	2.75	2.31	4.33	5.21	5.80	6.14
29	5.67	5.24	4.60	4.89	---	3.08	2.41	2.45	4.36	5.23	5.82	6.15
30	5.69	5.01	4.66	4.91	---	2.66	2.44	2.57	4.39	5.26	5.82	6.16
31	5.69	---	4.67	4.93	---	2.57	---	2.68	---	5.28	5.82	---
MAX	5.77	5.76	4.87	4.93	5.17	5.11	3.63	3.53	4.39	5.28	5.82	6.16
MIN	5.62	5.01	4.40	4.59	4.79	2.57	2.08	2.30	2.78	4.42	5.29	5.83



YORK COUNTY

432310070393301 Local number, YW 807

LOCATION.--Lat 43° 23'10", long 70° 39'33" (NAD 27), 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.

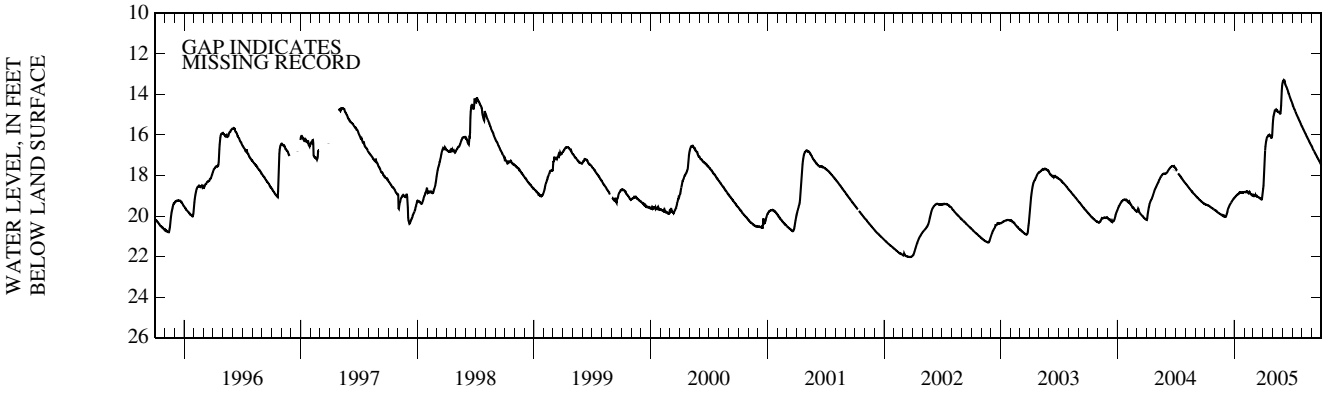
DATUM.--Elevation of land-surface datum is 202 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.9 ft above land-surface datum. Land-surface datum is at the general land surface.

PERIOD OF RECORD.--July 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 13.29 ft below land-surface datum, June 4, 2005; lowest recorded, 22.02 ft below land-surface datum, Mar. 21-25, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.42	19.71	20.00	19.10	18.82	18.95	18.64	15.46	13.40	14.42	15.58	16.58
2	19.43	19.72	20.03	19.09	18.82	18.97	18.49	15.25	13.34	14.47	15.61	16.61
3	19.43	19.73	20.03	19.06	18.81	19.00	18.13	15.10	13.31	14.53	15.64	16.65
4	19.43	19.73	20.04	19.05	18.80	19.02	17.76	15.02	13.29	14.57	15.68	16.69
5	19.45	19.73	20.04	19.03	18.81	19.01	17.41	14.96	13.32	14.59	15.71	16.73
6	19.45	19.76	20.03	19.01	18.82	19.00	17.06	14.89	13.35	14.64	15.76	16.76
7	19.45	19.77	19.97	19.00	18.80	19.00	16.77	14.81	13.34	14.69	15.78	16.78
8	19.46	19.79	19.91	18.98	18.79	18.96	16.58	14.78	13.43	14.73	15.82	16.80
9	19.46	19.81	19.87	18.97	18.80	19.00	16.44	14.77	13.50	14.74	15.85	16.84
10	19.47	19.82	19.79	18.94	18.78	19.02	16.32	14.75	13.53	14.79	15.87	16.87
11	19.48	19.82	19.72	18.94	18.79	19.02	16.25	14.74	13.57	14.83	15.91	16.90
12	19.48	19.84	19.67	18.93	18.82	19.00	16.17	14.78	13.60	14.88	15.95	16.92
13	19.49	19.85	19.62	18.91	18.86	19.03	16.12	14.80	13.63	14.91	15.97	16.96
14	19.50	19.86	19.59	18.91	18.88	19.04	16.09	14.78	13.67	14.94	16.01	16.99
15	19.51	19.87	19.55	18.89	18.85	19.05	16.08	14.79	13.72	14.99	16.05	17.02
16	19.51	19.88	19.51	18.85	18.81	19.06	16.06	14.82	13.76	15.03	16.08	17.05
17	19.53	19.89	19.48	18.83	18.79	19.07	16.02	14.86	13.80	15.06	16.10	17.07
18	19.55	19.90	19.45	18.85	18.82	19.08	16.02	14.87	13.87	15.09	16.15	17.11
19	19.56	19.91	19.41	18.83	18.87	19.09	16.00	14.87	13.93	15.12	16.18	17.15
20	19.57	19.93	19.38	18.83	18.90	19.10	15.99	14.87	13.97	15.16	16.20	17.16
21	19.58	19.94	19.36	18.85	18.90	19.11	16.03	14.88	13.99	15.19	16.22	17.20
22	19.60	19.94	19.34	18.85	18.91	19.13	16.04	14.87	14.04	15.23	16.26	17.23
23	19.61	19.96	19.30	18.83	18.93	19.14	16.03	14.90	14.10	15.27	16.30	17.26
24	19.61	19.96	19.28	18.83	18.96	19.14	16.02	14.95	14.14	15.31	16.34	17.30
25	19.63	19.95	19.25	18.83	18.96	19.15	16.06	14.94	14.18	15.32	16.37	17.32
26	19.64	19.99	19.23	18.83	18.98	19.18	16.14	14.78	14.23	15.36	16.40	17.33
27	19.65	20.00	19.20	18.86	18.99	19.19	16.14	14.54	14.29	15.40	16.43	17.37
28	19.67	19.99	19.18	18.86	18.99	19.17	16.12	14.18	14.31	15.45	16.46	17.41
29	19.67	20.01	19.15	18.83	---	19.04	16.03	13.83	14.35	15.48	16.49	17.42
30	19.68	20.02	19.14	18.82	---	18.90	15.76	13.60	14.39	15.53	16.52	17.47
31	19.69	---	19.12	18.83	---	18.77	---	13.47	---	15.56	16.53	---
MAX	19.69	20.02	20.04	19.10	18.99	19.19	18.64	15.46	14.39	15.56	16.53	17.47
MIN	19.42	19.71	19.12	18.82	18.78	18.77	15.76	13.47	13.29	14.42	15.58	16.58





Ice measurement
Aroostook River at Masardis, Maine (01015800)
January 2006

CUMBERLAND COUNTY

Water-quality data from the Windham aquifer, Windham, Maine, Water Year October 2004 to September 2005

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 preceeding 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 0.07 to 0.53 gallons per minute and the pumping period from 23 to 70 minutes.

MULTIPLE STATION ANALYSES

	Local ID Number	Date	Time	Depth of well, feet below land surface datum (72008)	Depth to water level, feet below land surface (72019)	Barometric pressure, millimeters of mercury (00025)	Dissolved oxygen, milligrams per liter (00300)	Dissolved oxygen, percent of saturation (00301)	pH, field, standard units (00400)	Specific conductance, uS/cm at 25 degrees Celsius (00095)	Temperature, water, degrees Celsius (00010)
	2026	08/30/05	1315	22.5	9.49	755	8.5	81	5.7	261	12.5
435002070255601	1990	08/23/05	1115	80.0	26.96	753	0.3	3	7.0	300	12.9
435002070255701	1971	08/23/05	950	22.0	12.90	753	3.8	34	5.5	50	9.9
435004070262101	2012	08/30/05	1115	27.0	14.70	755	0.7	7	6.9	606	12.8
435008070253901	1979	08/29/05	1010	109.0	38.64	756	6.1	55	6.6	341	10.3
	2005	08/29/05	1145	48.0	36.03	756	10.1	95	6.0	201	12.2
435008070262901	1992	08/22/05	1025	54.0	12.02	750	5.4	51	5.8	149	12.2
435008070262902	1993	08/22/05	905	27.0	8.91	750	5.3	47	5.8	164	9.4
435014070264901	2011	08/29/05	1520	27.0	12.47	755	7.7	79	5.9	60	15.9
435018070263201	2010	08/22/05	1220	32.0	15.09	750	7.8	77	5.6	1130	14.1
	2025	08/30/05	940	55.0	33.31	755	6.8	63	6.4	166	11.3
435026070264101	1999	08/24/05	1050	80.0	21.08	756	1.7	16	8.2	134	13.1
435026070264102	2009	08/24/05	1200	22.0	12.73	756	4.7	47	5.5	630	14.5
435039070261101	1983	08/29/05	1350	37.6	16.66	755	5.5	52	6.5	130	12.8
435040070264501	2007	08/30/05	1440	24.0	9.29	755	9.9	90	5.8	555	10.7
	2000	08/24/05	905	70.0	27.12	756	0.6	6	6.6	745	12.9
435055070263601	1985	09/01/05	1140	25.7	3.59	748	0.6	6	6.1	117	11.0
435056070263701	1984	09/01/05	1030	132.0	3.40	748	5.6	50	6.7	156	9.7
435131070261401	2001	08/23/05	1355	127.0	14.65	753	0.5	5	8.8	310	12.8

Station number	Local ID Number	Date	Hardness, water, milligrams per liter as calcium carbonate (00900)	Calcium, water, filtered, milligrams per liter (00915)	Magnesium, water, filtered, milligrams per liter (00925)	Potassium, water, filtered, milligrams per liter (00935)	Sodium, water, filtered, milligrams per liter (00930)	Alkalinity, water, filtered, laboratory, mg/L as calcium carbonate (29801)	Chloride, water, filtered, milligrams per liter (00940)	Fluoride, water, filtered, milligrams per liter (00950)	Silica, water, filtered, milligrams per liter (00955)
	2026	08/30/05	43	14.10	1.810	2.21	28.20	9	52.60	<.1	7.02
435002070255601	1990	08/23/05	94	33.50	2.410	3.69	17.90	34	45.10	0.1	12.70
435002070255701	1971	08/23/05	16	4.73	0.982	0.32	3.34	9	3.69	<.1	10.10
435004070262101	2012	08/30/05	200	60.70	11.300	12.70	38.90	109	104.00	<.1	18.30
435008070253901	1979	08/29/05	98	33.80	3.390	2.00	27.80	51	58.60	<.1	13.30
	2005	08/29/05	31	9.23	1.960	1.68	23.90	20	30.70	<.1	12.30
435008070262901	1992	08/22/05	26	8.42	1.230	4.41	14.10	10	32.30	<.1	5.64
435008070262902	1993	08/22/05	27	8.62	1.270	4.68	16.60	9	36.10	<.1	5.46
435014070264901	2011	08/29/05	16	5.74	0.402	0.33	4.28	9	12.70	<.1	5.38
435018070263201	2010	08/22/05	93	31.40	3.480	6.99	162.00	10	310.00	<.1	7.07
	2025	08/30/05	42	13.60	2.040	1.74	15.40	36	29.00	<.1	21.50
435026070264101	1999	08/24/05	50	18.50	1.050	2.00	7.24	41	11.60	0.4	8.61
435026070264102	2009	08/24/05	56	18.10	2.630	6.51	81.80	11	127.00	0.1	9.50
435039070261101	1983	08/29/05	45	12.40	3.350	1.17	6.03	20	23.40	<.1	14.60
435040070264501	2007	08/30/05	46	14.70	2.300	1.66	86.00	14	145.00	<.1	9.27
	2000	08/24/05	260	80.60	13.800	2.49	31.10	36	187.00	0.1	15.30
435055070263601	1985	09/01/05	36	10.30	2.370	0.90	9.42	28	15.70	<.1	9.12
435056070263701	1984	09/01/05	65	19.70	3.850	1.96	6.83	58	9.21	0.1	18.60
435131070261401	2001	08/23/05	14	4.17	0.948	1.07	72.40	163	1.54	2.3	8.37

	Local ID Number	Date	Sulfate, water, filtered, milligrams per liter (00945)	Ammonia, water, filtered, milligrams per liter as nitrogen (00608)	Nitrite plus nitrate, water, filtered, milligrams per liter as nitrogen (00631)	Nitrite, water, filtered, milligrams per liter as nitrogen (00613)	Orthophosphate, water, filtered, milligrams per liter as phosphorus (00671)	Phosphorus, water, filtered, milligrams per liter (00666)	Organic carbon, water, filtered, milligrams per liter (00681)
	2026	08/30/05	6.4	<.04	5.52	<.008	<.02	<.004	
	1990	08/23/05	32.1	E.04	<.06	<.008	<.02	0.010	
	1971	08/23/05	9.0	<.04	0.40	<.008	<.02	0.009	
	2012	08/30/05	15.5	<.04	3.76	<.008	<.02	0.005	4.2
435008070253901	1979	08/29/05	13.9	<.04	3.19	<.008	<.02	0.005	
	2005	08/29/05	6.0	<.04	5.79	<.008	<.02	0.007	
	1992	08/22/05	5.0	<.04	1.28	<.008	<.02	E.002	
	1993	08/22/05	6.0	<.04	1.38	<.008	<.02	E.002	
	2011	08/29/05	1.8	<.04	0.26	<.008	<.02	<.004	
	2010	08/22/05	17.1	<.04	2.64	<.008	<.02	E.003	0.4
	2025	08/30/05	1.5	<.04	0.17	<.008	<.02	0.007	
	1999	08/24/05	8.0	<.04	0.23	<.008	E.01	0.034	
	2009	08/24/05	7.7	0.68	16.20	0.043	<.02	0.013	1.1
435039070261101	1983	08/29/05	4.4	<.04	0.68	<.008	<.02	E.003	
	2007	08/30/05	13.2	<.04	1.85	<.008	<.02	0.005	
	2000	08/24/05	7.4	<.04	4.28	0.014	<.02	0.006	0.5
435055070263601	1985	09/01/05	6.3	<.04	<.06	<.008	<.02	<.004	
	1984	09/01/05	5.0	<.04	1.10	<.008	<.02	0.004	
	2001	08/23/05	3.4	E.02	<.06	<.008	0.34	0.380	

Remark codes used in this table:
< -- Less than
E -- Estimated value

Organic pesticide compounds, Schedule 2033, and volatile organic compounds (VOC), Schedule 2020, are listed with minimum reporting levels below. Water samples listed on the next page were analyzed for all the compounds listed but only compounds that were detected in one or more samples will appear.

Organic Pesticide Table

Analyte	P-Code	CAS Number	LRL
1-Naphthol	49295	90-15-3	0.0882
2-Chloro-2,6-diethylacetanilide	61618	6967-29-9	0.005
2-Ethyl-6-methylaniline	61620	24549-06-2	0.0045
3,4-Dichloroaniline	61625	95-76-1	0.0045
3,5-Dichloroaniline	61627	626-43-7	0.0043
4-Chloro-2-methylphenol	61633	1570-64-5	0.0056
Acetochlor	49260	34256-82-1	0.006
Alachlor	46342	15972-60-8	0.005
2,6-Diethylaniline	82660	579-66-8	0.006
Atrazine	39632	1912-24-9	0.007
Azinphos-methyl	82686	86-50-0	0.05
Azinphos-methyl-oxon	61635	961-22-8	0.07
Benfluralin	82673	1861-40-1	0.01
Carbaryl	82680	63-25-2	0.041
Carbofuran	82674	1563-66-2	0.02
Chlorpyrifos	38933	2921-88-2	0.005
Chlorpyrofos, oxygen analog	61636	5598-15-2	0.0562
cis-Permethrin	82687	54774-45-7	0.006
cis-Propiconazole	79846	60207-90-1	0.008
Cyanazine	04041	21725-46-2	0.018
Cyfluthrin	61585	68359-37-5	0.0267
Cypermethrin	61586	52315-07-8	0.0086
Dacthal	82682	1861-32-1	0.003
2-Chloro-4-isopropylamino-6-amino-s-triazine {CIAT}	04040	6190-65-4	0.006
Diazinon	39572	333-41-5	0.005
Diazinon, oxygen analog	61638	962-58-3	0.006
Dichlorvos	38775	62-73-7	0.0118
Dicrotophos	38454	141-66-2	0.0843
Dieldrin	39381	60-57-1	0.009
Dimethoate	82662	60-51-5	0.0061
Disulfoton	82677	298-04-4	0.021
Disulfoton sulfone	61640	2497-06-5	0.0059
alpha-Endosulfan	34362	959-98-8	0.0047
Endosulfan sulfate	61590	1031-07-8	0.0138
EPTC	82668	759-94-4	0.004
Ethion	82346	563-12-2	0.004
Ethion monoxon	61644	17356-42-2	0.002
Ethoprophos	82672	13194-48-4	0.005
Fenamiphos	61591	22224-92-6	0.029
Fenamiphos sulfone	61645	31972-44-8	0.0491
Fenamiphos sulfoxide	61646	31972-43-7	0.0387
Desulfinylfipronil amide	62169		0.029
Fipronil sulfide	62167	120067-83-6	0.013
Fipronil sulfone	62168	120068-36-2	0.024
Desulfinylfipronil	62170		0.012
Fipronil	62166	120068-37-3	0.016
Fonofos	04095	944-22-9	0.003
Hexazinone	04025	51235-04-2	0.0129
Iprodione	61593	36734-19-7	0.538
Isofenphos	61594	25311-71-1	0.0034
lambda-Cyhalothrin	61595	91465-08-6	0.0089
Malaoxon	61652	1634-78-2	0.0298
Malathion	39532	121-75-5	0.027
Metalaxyl	61596	57837-19-1	0.0051
Methidathion	61598	950-37-8	0.0058
Parathion-methyl	82667	298-00-0	0.015
Metolachlor	39415	51218-45-2	0.006
Metribuzin	82630	21087-64-9	0.006
Molinate	82671	2212-67-1	0.003
Myclobutanil	61599	88671-89-0	0.008
Oxyfluorfen	61600	42874-03-3	0.0073
Paraoxon-methyl	61664	950-35-6	0.0299
Pendimethalin	82683	40487-42-1	0.022
Phorate	82664	298-02-2	0.011
Phorate oxygen analog	61666	2600-69-3	0.1048
Phosmet	61601	732-11-6	0.0079
Phosmet oxon	61668	3735-33-9	0.0511
Prometon	04037	1610-18-0	0.01
Prometryn	04036	7287-19-6	0.0054
Propyzamide	82676	23950-58-5	0.004
Propanil	82679	709-98-8	0.011
Propargite	82685	2312-35-8	0.023
Simazine	04035	122-34-9	0.005
Tebuconazole	62852	107534-96-3	0.0136
Tebuthiuron	82670	34014-18-1	0.016
Tefluthrin	61606	79538-32-2	0.0077
Terbufos	82675	13071-79-9	0.017
Terbufos oxygen analog sulfone	61674	56070-15-6	0.0676
Terbuthylazine	04022	5915-41-3	0.0102
Thiobencarb	82681	28249-77-6	0.010
trans-Propiconazole	79847	60207-90-1	0.0133
Tribufos	61610	78-48-8	0.0044
Trifluralin	82661	1582-09-8	0.009

Volatile Organic Compounds Table

Analyte	P-Code	CAS Number	LRL
1,2,3,4-Tetramethylbenzene	49999	488-23-3	0.14
1,2,3,5-Tetramethylbenzene	50000	527-53-7	0.14
2-Butanone	81595	78-93-3	2
trans-1,4-Dichloro-2-butene	73547	110-57-6	0.70
2-Hexanone	77103	591-78-6	0.4
4-Methyl-2-pentanone	78133	108-10-1	0.37
Acetone	81552	67-64-1	6
Acrylonitrile	34215	107-13-1	0.8
Benzene	34030	71-43-2	0.021
1,2,3-Trichlorobenzene	77613	87-61-6	0.18
1,2,3-Trimethylbenzene	77221	526-73-8	0.06
1,2,4-Trichlorobenzene	34551	120-82-1	0.12
Bromobenzene	81555	108-86-1	0.028
Chlorobenzene	34301	108-90-7	0.028
Ethylbenzene	34371	100-41-4	0.030
1,3-Dichlorobenzene	34566	541-73-1	0.03
Butylbenzene	77342	104-51-8	0.12
n-Propylbenzene	77224	103-65-1	0.042
1,2-Dichlorobenzene	34536	95-50-1	0.048
1,4-Dichlorobenzene	34571	106-46-7	0.034
sec-Butylbenzene	77350	135-98-8	0.06
tert-Butylbenzene	77353	98-06-6	0.06
Bromoethene	50002	593-60-2	0.10
Bromoform	32104	75-25-2	0.10
Hexachlorobutadiene	39702	87-68-3	0.14
Carbon disulfide	77041	75-15-0	0.038
Tetrachloromethane	32102	56-23-5	0.06
Chloroform	32106	67-66-3	0.024
Isopropylbenzene	77223	98-82-8	0.038
1,1,1,2-Tetrachloroethane	77562	630-20-6	0.030
1,1,1-Trichloroethane	34506	71-55-6	0.032
1,1,2-Trichlorotrifluoroethane	77652	76-13-1	0.038
1,2-Dibromoethane	77651	106-93-4	0.036
1,2-Dichloroethane	32103	107-06-2	0.13
Hexachloroethane	34396	67-72-1	0.14
1,1,2,2-Tetrachloroethane	34516	79-34-5	0.08
Chloroethane	34311	75-00-3	0.12
Diethyl ether	81576	60-29-7	0.08
Ethyl tert-butyl ether	50004	637-92-3	0.030
cis-1,2-Dichloroethylene	77093	156-59-2	0.024
Tetrachloroethylene	34475	127-18-4	0.030
trans-1,2-Dichloroethylene	34546	156-60-5	0.032
Trichloroethylene	39180	79-01-6	0.038
1,1-Dichloroethane	34496	75-34-3	0.035
Tetrahydrofuran	81607	109-99-9	1.0
Diisopropyl ether	81577	108-20-3	0.10
m- and p-Xylene	85795		0.06
1,3,5-Trimethylbenzene	77226	108-67-8	0.044
Ethyl methacrylate	73570	97-63-2	0.18
Methyl methacrylate	81597	80-62-6	0.20
Methyl acrylonitrile	81593	126-98-7	0.40
Bromochloromethane	77297	74-97-5	0.12
Bromodichloromethane	32101	75-27-4	0.028
Dibromochloromethane	32105	124-48-1	0.10
Dichlorodifluoromethane	34668	75-71-8	0.18
Trichlorofluoromethane	34488	75-69-4	0.08
Methyl acrylate	49991	96-33-3	1.0
Bromomethane	34413	74-83-9	0.26
Chloromethane	34418	74-87-3	0.17
Methyl iodide	77424	74-88-4	0.50
tert-Butyl methyl ether	78032	1634-04-4	0.10
Dibromomethane	30217	74-95-3	0.050
Dichloromethane	34423	75-09-2	0.06
Naphthalene	34696	91-20-3	0.52
o-Xylene	77135	95-47-6	0.038
4-Isopropyl-1-methylbenzene	77356	99-87-6	0.08
1,2,3-Trichloropropane	77443	96-18-4	0.18
1,3-Dichloropropane	77173	142-28-9	0.06
2,2-Dichloropropane	77170	594-20-7	0.05
1,2-Dibromo-3-chloropropane	82625	96-12-8	0.51
1,1-Dichloropropene	77168	563-58-6	0.026
3-Chloropropene	78109	107-05-1	0.5
cis-1,3-Dichloropropene	34704	10061-01-5	0.05
trans-1,3-Dichloropropene	34699	10061-02-6	0.09
1,2-Dichloropropane	34541	78-87-5	0.029
1,2,4-Trimethylbenzene	77222	95-63-6	0.056
Styrene	77128	100-42-5	0.042
tert-Pentyl methyl ether	50005	994-05-8	0.04
Toluene	34010	108-88-3	0.02
2-Chlorotoluene	77275	95-49-8	0.04
o-Ethyl toluene	77220	611-14-3	0.06
4-Chlorotoluene	77277	106-43-4	0.05
Vinyl chloride	39175	75-01-4	0.08
1,1,2-Trichloroethane	34511	79-00-5	0.04
1,1-Dichloroethylene	34501	75-35-4	0.024

Remarks: PS, public-supply (gravel-packed) well; BEDROCK, crystalline-rock aquifer; 112SRFD, surficial aquifer; LSD, land-surface datum; gal/min, gallons per minute; NTU, nephelometric turbidity unit; mm Hg, millimeters mercury; mg/L, milligrams per liter; uS/cm, microsiemens per centimeter; deg C, degrees celcius; ug/L, micrograms per liter; "E", estimated concentrations; "<", less than; "M", presence verified, not quantified. Organic pesticide compounds, analyzed by NWQL Schedule 2033, and volatile organic compounds (VOCs), analyzed by NWQL Schedule 2020, are listed with laboratory reporting levels in the previous tables. Only pesticides and VOCs identified by the analyses (either as estimated values or values measured at or above the laboratory reporting level) for one or more samples are listed in the water-quality tables. Water-quality data presented in this table were collected by the New England Coastal Basins National Water-Quality Assessment Program (NAWQA) as part of a National Ground Water Network to determine long-term trends in ground-water quality. Accurate latitude and longitudal data are available for the wells, but are omitted from this table.

Local identifier	Well Type	Geologic unit	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)
ME-ANW 1131	domestic	BEDROCK	08-31-05	1100	262.00	13.00	.3	.1	.0	8.5	177	10.8	20.6
ME-OW 387	PS	112SRFD	06-29-05	1100	82	11.13	.1	6.5	57	6.5	326	9.5	26.3
ME-SMW 82	domestic	BEDROCK	06-28-05	1100	100.00	3.16	4.0	.1	1	8.0	437	10.5	46.7
ME-SMW 83	domestic	BEDROCK	06-28-05	1100	175.00	1.80	.0	9.5	84	7.6	122	9.8	16.0

	Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
ME-ANW 1131	08-31-05	4.61	1.02	6.83	70	84	.08	2.78	.6	16.2	12.2	107	<.04	<.06
ME-OW 387	06-29-05	3.97	2.46	25.9	46	56	.07	52.7	<.1	14.2	13.9	176	<.04	1.92
ME-SMW 82	06-28-05	21.1	2.89	9.89	150	183	.16	37.3	E.1	16.6	13.8	239	<.04	<.06
ME-SMW 83	06-28-05	4.14	.52	1.86	50	61	.05	1.39	<.1	7.66	6.3	69	<.04	.27

	Date	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, wat flt by analysis, mg/L (62854)	Orthophosphate, water, fltrd, mg/L as P (00671)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)
ME-ANW 1131	08-31-05	<.008	<.06	.007	M	<.20	E.2	40	<.06	<8	<.04	<.8	.030	E.2
ME-OW 387	06-29-05	<.008	2.03	<.006	6	<.20	<.2	19	<.06	30	<.04	E.7	.246	.8
ME-SMW 82	06-28-05	<.008	<.06	<.006	<2	<.20	.3	91	<.06	13	<.04	<.8	.077	E.3
ME-SMW 83	06-28-05	<.008	.29	<.006	M	<.20	.5	2	<.06	<8	<.04	<.8	.032	3.3

	Date	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	CIAT, water, fltrd, ug/L (04040)
ME-ANW 1131	08-31-05	13	.16	11.6	36.3	2.8	.30	<.4	<.2	197	<.04	<.1	E.3	<.006
ME-OW 387	06-29-05	23	.12	1.1	4.4	<.4	1.51	<.4	<.2	212	<.04	.1	2.0	E.005
ME-SMW 82	06-28-05	322	E.07	3.3	109	.8	2.08	<.4	<.2	502	<.04	E.1	1.0	<.006
ME-SMW 83	06-28-05	<6	E.07	<.6	<.2	<.4	.57	<.4	<.2	85.7	<.04	E.1	2.8	E.005

	Date	Atrazine, water, fltrd, ug/L (39632)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Chlorobenzene water unfltrd ug/L (34301)	Dichlorodifluoromethane wat unf ug/L (34668)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	Tetrachloroethene, water, unfltrd ug/L (34475)	Trichloroethene, water, unfltrd ug/L (39180)	Uranium natural water, fltrd, ug/L (22703)
ME-ANW 1131	08-31-05	<.007	<.02	<.03	<.18	.7	<.03	<.04	.27
ME-OW 387	06-29-05	E.005	.02	E.04	<.18	.3	E.09	E.03	7.62
ME-SMW 82	06-28-05	<.007	<.02	<.03	E.20	<.1	<.03	<.04	.80
ME-SMW 83	06-28-05	E.005	<.02	<.03	E.09	<.1	<.03	<.04	.18

Remark codes used in this table:
< -- Less than.
E -- Estimated.
M -- Presence verified but not quantified.

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.

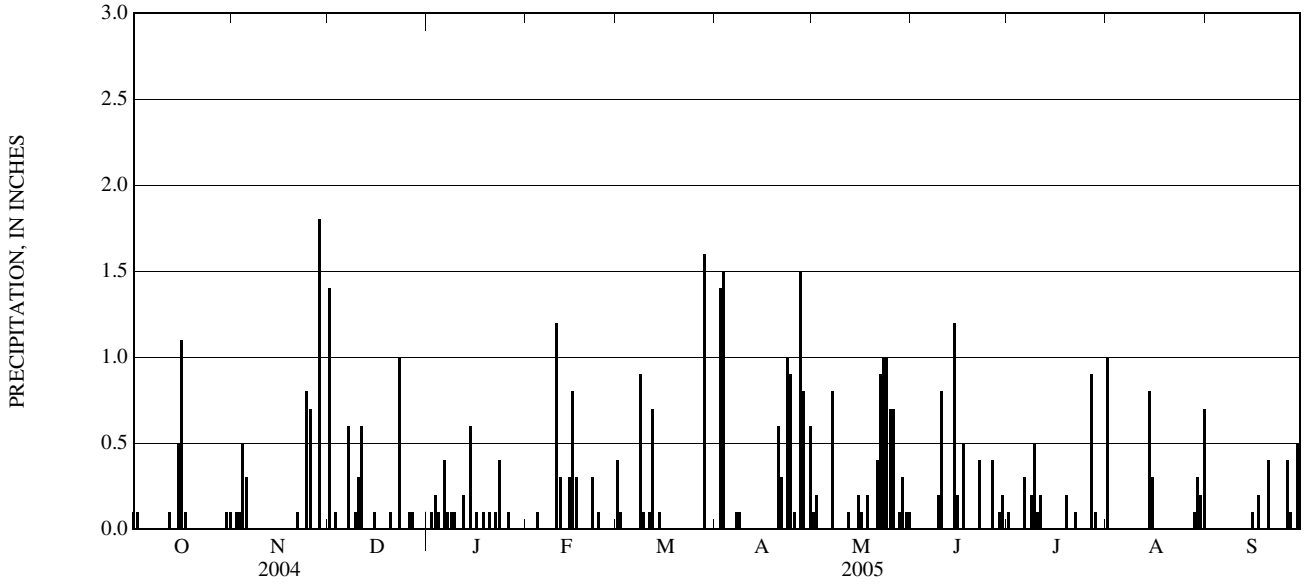
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Saco River at Cornish, ME" (station 01066000).

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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.1	0.0	1.4	0.0	0.0	0.4	0.0	0.1	0.0	0.1	1.0	0.0
2	0.1	0.1	0.0	0.1	0.0	0.1	1.4	0.2	0.0	0.0	0.0	0.0
3	0.0	0.1	0.1	0.2	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0
4	0.0	0.5	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
7	0.0	0.0	0.6	0.1	0.0	0.0	0.1	0.8	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.1	0.0	0.9	0.1	0.0	0.0	0.2	0.0	0.0
9	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.2	0.5	0.0	0.0
10	0.0	0.0	0.3	0.0	1.2	0.0	0.0	0.0	0.8	0.1	0.0	0.0
11	0.0	0.0	0.6	0.0	0.3	0.1	0.0	0.0	0.0	0.2	0.0	0.0
12	0.1	0.0	0.0	0.2	0.0	0.7	0.0	0.1	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.6	0.3	0.1	0.0	0.0	1.2	0.0	0.8	0.0
15	0.5	0.0	0.1	0.0	0.8	0.0	0.0	0.2	0.2	0.0	0.3	0.1
16	1.1	0.0	0.0	0.1	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0
17	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.2
18	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
20	0.0	0.0	0.1	0.1	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.4
21	0.0	0.1	0.0	0.0	0.3	0.0	0.3	0.4	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.9	0.4	0.1	0.0	0.0
23	0.0	0.0	1.0	0.4	0.1	0.0	1.0	1.0	0.0	0.0	0.0	0.0
24	0.0	0.8	0.0	0.0	0.0	0.0	0.9	1.0	0.0	0.0	0.0	0.0
25	0.0	0.7	0.0	0.0	0.0	0.0	0.1	0.7	0.0	0.0	0.0	0.0
26	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.7	0.4	0.0	0.0	0.4
27	0.0	0.0	0.1	0.0	0.0	0.0	1.5	0.0	0.0	0.9	0.0	0.1
28	0.0	1.8	0.0	0.0	0.0	1.6	0.8	0.1	0.1	0.1	0.1	0.0
29	0.0	0.0	0.0	0.0	---	0.0	0.0	0.3	0.2	0.0	0.3	0.5
30	0.1	0.0	0.0	0.0	---	0.0	0.6	0.1	0.0	0.0	0.2	0.0
31	0.1	---	0.0	0.0	---	0.0	---	0.1	---	0.0	0.7	---
TOTAL	2.2	4.4	4.5	2.8	3.4	4.0	8.9	7.0	4.0	2.7	3.4	1.7



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.

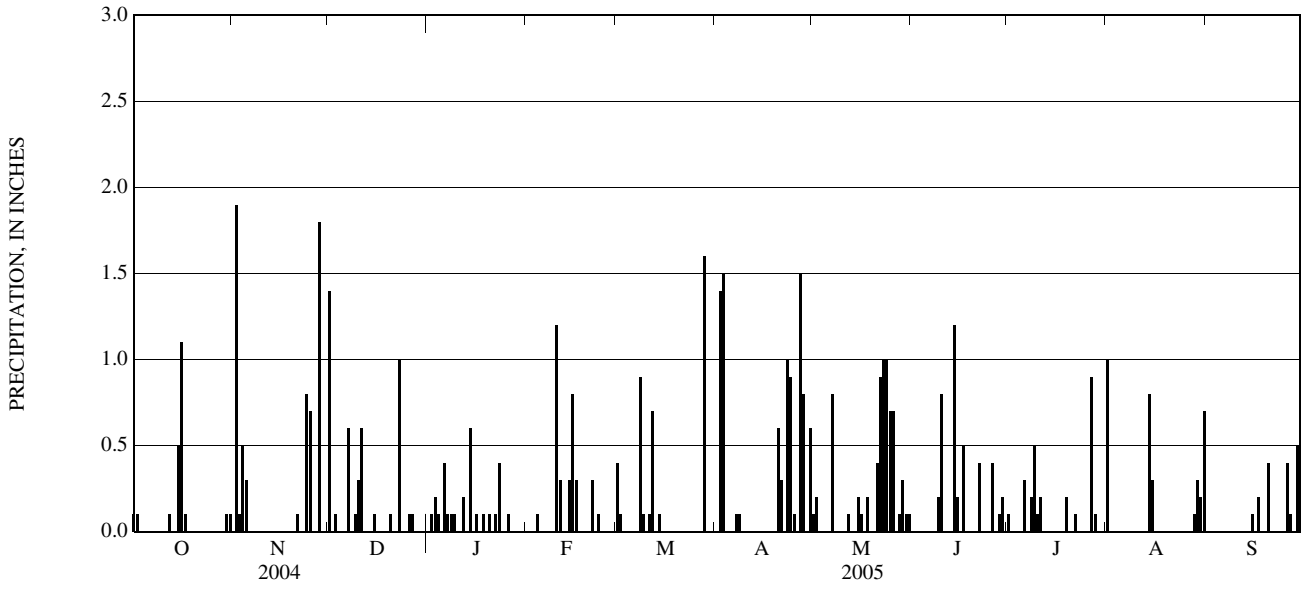
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Androscoggin River at Rumford, ME" (station 01054500).

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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.10	0.00	1.40	0.00	0.00	0.40	0.00	0.10	0.00	0.10	1.00	0.00
2	0.10	1.90	0.00	0.10	0.00	0.10	1.40	0.20	0.00	0.00	0.00	0.00
3	0.00	0.10	0.10	0.20	0.00	0.00	1.50	0.00	0.00	0.00	0.00	0.00
4	0.00	0.50	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.40	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00
7	0.00	0.00	0.60	0.10	0.00	0.00	0.10	0.80	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.10	0.00	0.90	0.10	0.00	0.00	0.20	0.00	0.00
9	0.00	0.00	0.10	0.10	0.00	0.10	0.00	0.00	0.20	0.50	0.00	0.00
10	0.00	0.00	0.30	0.00	1.20	0.00	0.00	0.00	0.80	0.10	0.00	0.00
11	0.00	0.00	0.60	0.00	0.30	0.10	0.00	0.00	0.00	0.20	0.00	0.00
12	0.10	0.00	0.00	0.20	0.00	0.70	0.00	0.10	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.60	0.30	0.10	0.00	0.00	1.20	0.00	0.80	0.00
15	0.50	0.00	0.10	0.00	0.80	0.00	0.00	0.20	0.20	0.00	0.30	0.10
16	1.10	0.00	0.00	0.10	0.30	0.00	0.00	0.10	0.00	0.00	0.00	0.00
17	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.20
18	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00
20	0.00	0.00	0.10	0.10	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.40
21	0.00	0.10	0.00	0.00	0.30	0.00	0.30	0.40	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.90	0.40	0.10	0.00	0.00
23	0.00	0.00	1.00	0.40	0.10	0.00	1.00	1.00	0.00	0.00	0.00	0.00
24	0.00	0.80	0.00	0.00	0.00	0.00	0.90	1.00	0.00	0.00	0.00	0.00
25	0.00	0.70	0.00	0.00	0.00	0.00	0.10	0.70	0.00	0.00	0.00	0.00
26	0.00	0.00	0.10	0.10	0.00	0.00	0.00	0.70	0.40	0.00	0.00	0.40
27	0.00	0.00	0.10	0.00	0.00	0.00	1.50	0.00	0.00	0.90	0.00	0.10
28	0.00	1.80	0.00	0.00	0.00	1.60	0.80	0.10	0.10	0.10	0.10	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.30	0.20	0.00	0.30	0.50
30	0.10	0.00	0.00	0.00	---	0.00	0.60	0.10	0.00	0.00	0.20	0.00
31	0.10	---	0.00	0.00	---	0.00	---	0.10	---	0.00	0.70	---
TOTAL	2.20	6.20	4.50	2.80	3.40	4.00	8.90	7.00	4.00	2.70	3.40	1.70



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.

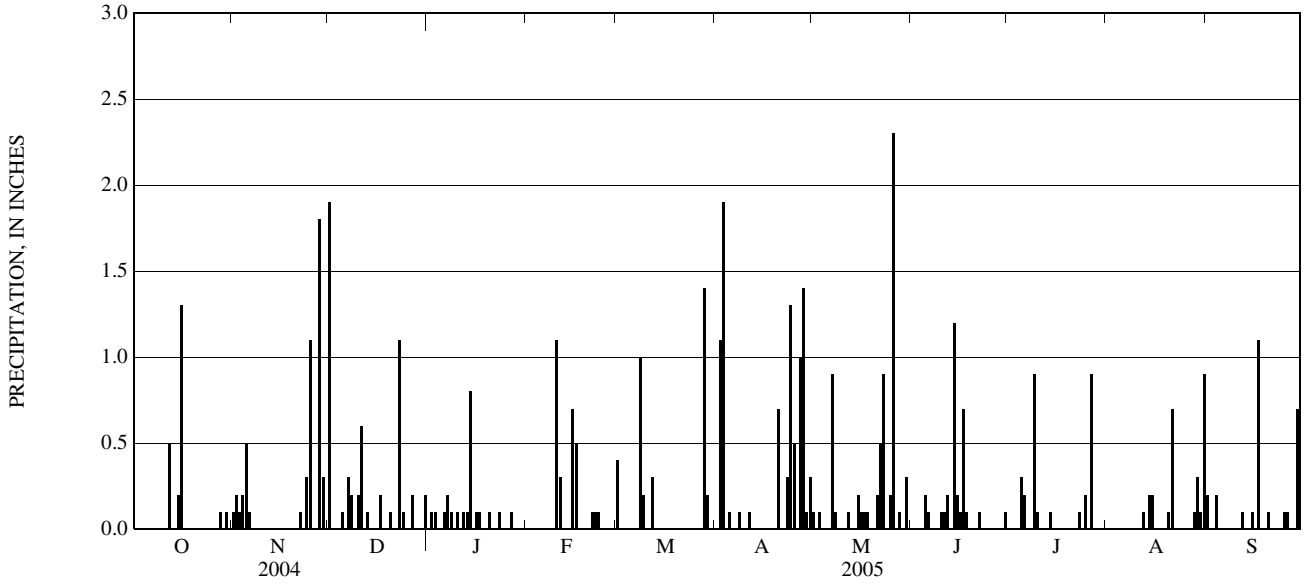
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Sandy River near Mercer, ME" (station 01048000).

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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.1	1.9	0.0	0.0	0.4	0.0	0.1	0.0	0.0	0.0	0.2
2	0.0	0.2	0.0	0.1	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0
3	0.0	0.1	0.0	0.1	0.0	0.0	1.9	0.1	0.0	0.0	0.0	0.0
4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
5	0.0	0.5	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.3	0.0	0.0
6	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0
7	0.0	0.0	0.3	0.2	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0
8	0.0	0.0	0.2	0.1	0.0	1.0	0.1	0.1	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.9	0.0	0.0
10	0.0	0.0	0.2	0.1	1.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0
11	0.0	0.0	0.6	0.0	0.3	0.0	0.1	0.0	0.1	0.0	0.0	0.0
12	0.5	0.0	0.0	0.1	0.0	0.3	0.0	0.1	0.2	0.0	0.1	0.1
13	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.2	0.1	0.2	0.0
15	0.2	0.0	0.0	0.0	0.7	0.0	0.0	0.2	0.2	0.0	0.2	0.1
16	1.3	0.0	0.0	0.1	0.5	0.0	0.0	0.1	0.1	0.0	0.0	0.0
17	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.1	0.7	0.0	0.0	1.1
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.1	0.1	0.0	0.0	0.7	0.0	0.0	0.0	0.1	0.1
21	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.7	0.0
22	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.5	0.1	0.0	0.0	0.0
23	0.0	0.0	1.1	0.1	0.1	0.0	0.3	0.9	0.0	0.1	0.0	0.0
24	0.0	0.3	0.1	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
25	0.0	1.1	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.2	0.0	0.1
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.1
27	0.0	0.0	0.2	0.1	0.0	0.0	1.0	0.0	0.0	0.9	0.0	0.0
28	0.1	1.8	0.0	0.0	0.0	1.4	1.4	0.1	0.0	0.0	0.1	0.0
29	0.0	0.3	0.0	0.0	---	0.2	0.1	0.0	0.0	0.0	0.3	0.7
30	0.1	0.0	0.0	0.0	---	0.0	0.3	0.3	0.1	0.0	0.1	0.0
31	0.0	---	0.2	0.0	---	0.0	---	0.0	---	0.0	0.9	---
TOTAL	2.2	4.8	5.3	2.2	2.9	3.5	8.9	6.3	3.2	2.8	2.7	2.7



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.

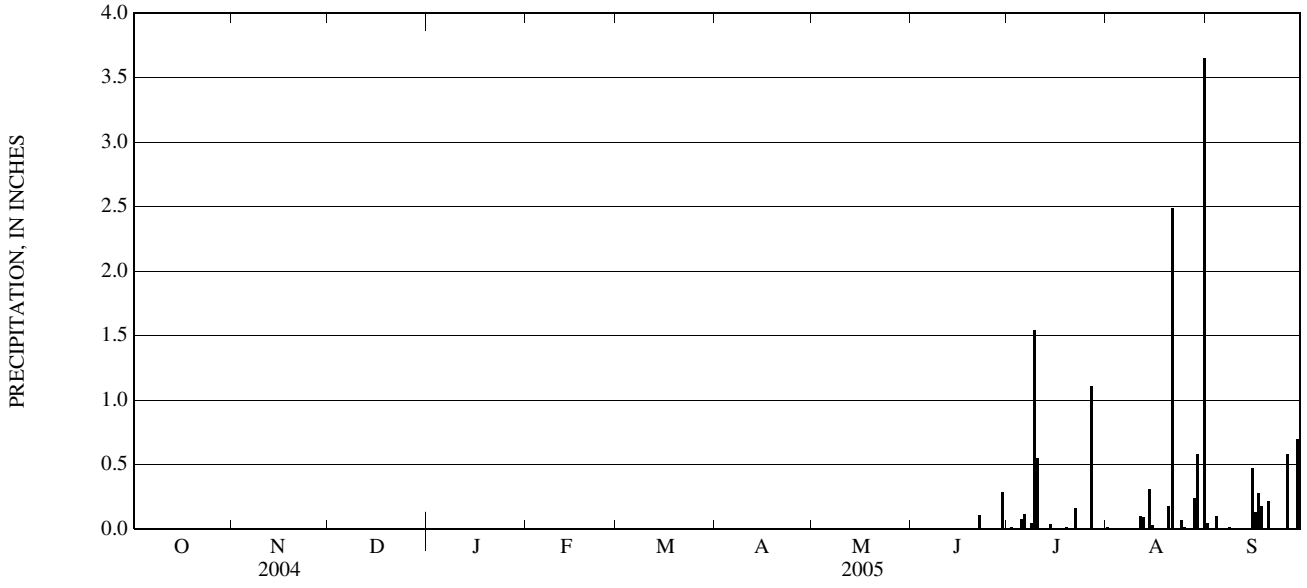
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Androscoggin River at Errol, NH" (station 01053500).

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.--No precipitation record, Oct. 1 to June 20. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	0.01	0.02	0.05
2	---	---	---	---	---	---	---	---	---	0.02	0.01	0.00
3	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
4	---	---	---	---	---	---	---	---	---	0.00	0.00	0.10
5	---	---	---	---	---	---	---	---	---	0.08	0.01	0.00
6	---	---	---	---	---	---	---	---	---	0.12	0.00	0.01
7	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
8	---	---	---	---	---	---	---	---	---	0.05	0.00	0.02
9	---	---	---	---	---	---	---	---	---	1.54	0.00	0.00
10	---	---	---	---	---	---	---	---	---	0.55	0.00	0.00
11	---	---	---	---	---	---	---	---	---	0.00	0.10	0.00
12	---	---	---	---	---	---	---	---	---	0.00	0.09	0.00
13	---	---	---	---	---	---	---	---	---	0.00	0.01	0.00
14	---	---	---	---	---	---	---	---	---	0.04	0.31	0.00
15	---	---	---	---	---	---	---	---	---	0.01	0.03	0.47
16	---	---	---	---	---	---	---	---	---	0.00	0.00	0.13
17	---	---	---	---	---	---	---	---	---	0.00	0.00	0.28
18	---	---	---	---	---	---	---	---	---	0.00	0.00	0.18
19	---	---	---	---	---	---	---	---	---	0.02	0.01	0.00
20	---	---	---	---	---	---	---	---	---	0.00	0.18	0.22
21	---	---	---	---	---	---	---	---	0.00	0.00	2.49	0.00
22	---	---	---	---	---	---	---	---	0.11	0.16	0.01	0.00
23	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.01
24	---	---	---	---	---	---	---	---	0.00	0.00	0.07	0.00
25	---	---	---	---	---	---	---	---	0.00	0.01	0.02	0.01
26	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.58
27	---	---	---	---	---	---	---	---	0.00	1.11	0.00	0.01
28	---	---	---	---	---	---	---	---	0.01	0.00	0.24	0.00
29	---	---	---	---	---	---	---	---	0.29	0.00	0.58	0.70
30	---	---	---	---	---	---	---	---	0.00	0.00	0.01	0.00
31	---	---	---	---	---	---	---	---	---	0.00	3.65	---
TOTAL	---	---	---	---	---	---	---	---	---	3.72	7.84	2.77



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.

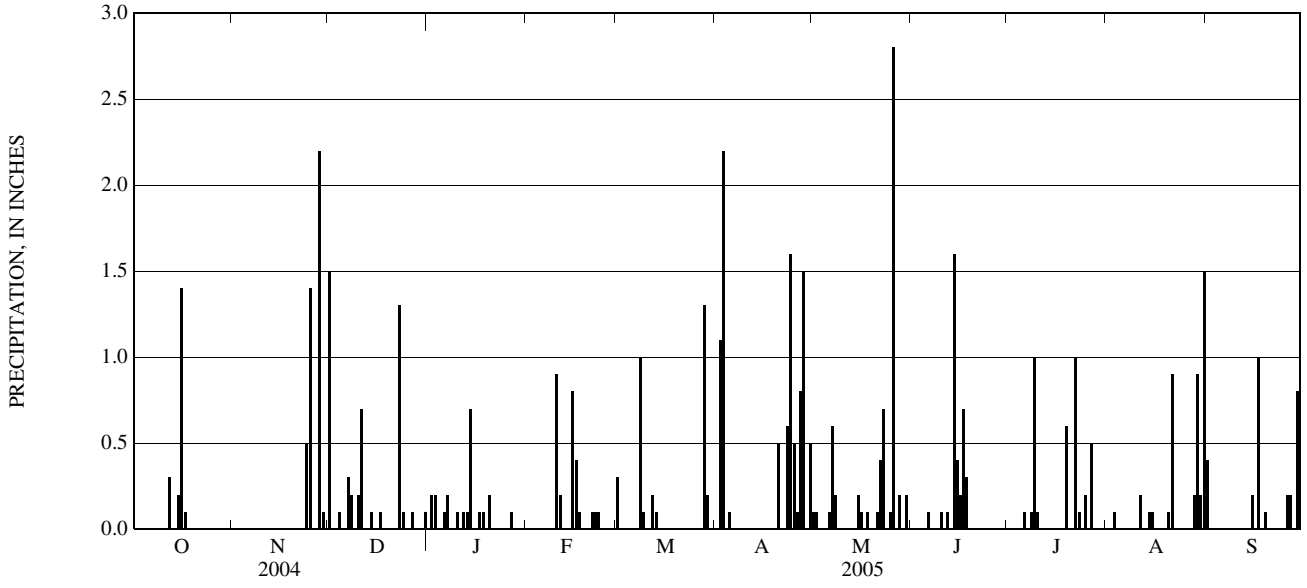
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Carrabassett River near North Anson, ME" (station 01047000).

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.--No precipitation record, Oct. 23 to Nov. 8. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	---	1.5	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.0	0.4
2	0.0	---	0.0	0.2	0.0	0.0	1.1	0.1	0.0	0.0	0.0	0.0
3	0.0	---	0.0	0.2	0.0	0.0	2.2	0.0	0.0	0.0	0.1	0.0
4	0.0	---	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	---	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
6	0.0	---	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
7	0.0	---	0.3	0.2	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
8	0.0	---	0.2	0.0	0.0	1.0	0.0	0.2	0.0	0.1	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.0	0.0	0.0
10	0.0	0.0	0.2	0.1	0.9	0.0	0.0	0.0	0.1	0.1	0.0	0.0
11	0.0	0.0	0.7	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0
12	0.3	0.0	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.0	0.0
13	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.1	0.7	0.0	0.0	0.0	0.0	1.6	0.0	0.1	0.0
15	0.2	0.0	0.0	0.0	0.8	0.0	0.0	0.2	0.4	0.0	0.1	0.2
16	1.4	0.0	0.0	0.0	0.4	0.0	0.0	0.1	0.2	0.0	0.0	0.0
17	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.7	0.0	0.0	1.0
18	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.1
20	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.1	0.0
21	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.9	0.0
22	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0	1.0	0.0	0.0
23	---	0.0	1.3	0.0	0.1	0.0	0.6	0.7	0.0	0.1	0.0	0.0
24	---	0.5	0.1	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0
25	---	1.4	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.2	0.0	0.0
26	---	0.0	0.0	0.0	0.0	0.0	0.1	2.8	0.0	0.0	0.0	0.2
27	---	0.0	0.1	0.1	0.0	0.0	0.8	0.0	0.0	0.5	0.0	0.2
28	---	2.2	0.0	0.0	0.0	1.3	1.5	0.2	0.0	0.0	0.2	0.0
29	---	0.1	0.0	0.0	---	0.2	0.0	0.0	0.0	0.0	0.9	0.8
30	---	0.0	0.0	0.0	---	0.0	0.5	0.2	0.0	0.0	0.2	0.0
31	---	---	0.1	0.0	---	0.0	---	0.0	---	0.0	1.5	---
TOTAL	---	---	4.8	2.2	2.7	3.2	9.5	6.0	3.5	3.7	4.3	2.9



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 Dennysville.

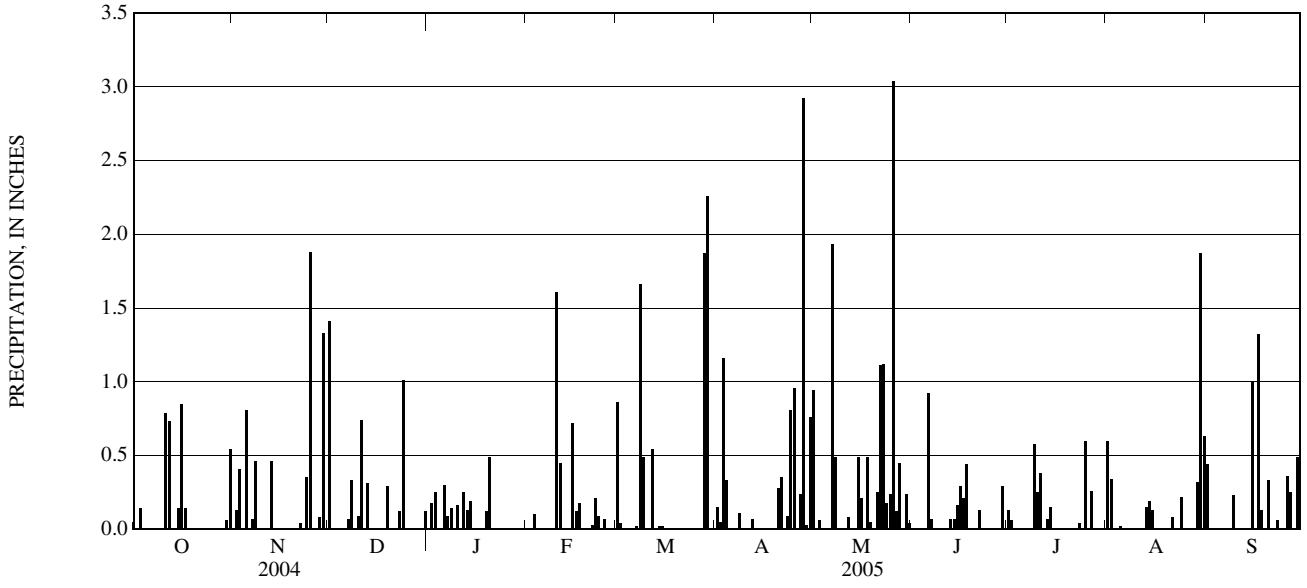
PERIOD OF RECORD.--May 2004 to current year.

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.--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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.05	0.01	1.41	0.00	0.00	0.86	0.15	0.94	0.00	0.13	0.60	0.44
2	0.00	0.13	0.00	0.18	0.00	0.04	0.05	0.00	0.00	0.06	0.34	0.00
3	0.14	0.41	0.00	0.25	0.10	0.00	1.16	0.06	0.00	0.00	0.01	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00	0.00
5	0.00	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00
6	0.00	0.00	0.00	0.30	0.00	0.01	0.00	0.00	0.92	0.01	0.00	0.00
7	0.00	0.07	0.07	0.09	0.00	0.02	0.01	1.93	0.07	0.00	0.00	0.00
8	0.00	0.46	0.33	0.14	0.00	1.66	0.11	0.49	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.01	0.00	0.58	0.00	0.23
10	0.00	0.00	0.09	0.16	1.61	0.00	0.00	0.00	0.00	0.25	0.00	0.00
11	0.79	0.00	0.74	0.00	0.45	0.00	0.00	0.00	0.00	0.38	0.00	0.00
12	0.73	0.00	0.00	0.25	0.00	0.54	0.07	0.08	0.00	0.01	0.00	0.00
13	0.00	0.46	0.31	0.13	0.00	0.00	0.01	0.00	0.07	0.07	0.15	0.00
14	0.00	0.00	0.00	0.19	0.00	0.02	0.00	0.00	0.07	0.15	0.19	0.00
15	0.14	0.00	0.00	0.00	0.72	0.02	0.00	0.49	0.16	0.01	0.13	1.00
16	0.85	0.00	0.00	0.00	0.12	0.00	0.00	0.21	0.29	0.00	0.00	0.01
17	0.14	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.21	0.00	0.00	1.32
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.44	0.00	0.00	0.13
19	0.00	0.00	0.29	0.12	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.01
20	0.00	0.00	0.01	0.49	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.33
21	0.00	0.00	0.00	0.00	0.03	0.00	0.35	0.25	0.00	0.00	0.08	0.00
22	0.00	0.04	0.00	0.00	0.21	0.00	0.00	1.11	0.13	0.00	0.00	0.00
23	0.00	0.00	0.12	0.00	0.09	0.00	0.09	1.12	0.00	0.04	0.00	0.06
24	0.00	0.35	1.01	0.00	0.00	0.00	0.81	0.18	0.00	0.00	0.22	0.00
25	0.00	1.88	0.00	0.01	0.07	0.00	0.96	0.24	0.00	0.60	0.00	0.00
26	0.00	0.01	0.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.36
27	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.12	0.00	0.26	0.00	0.25
28	0.00	0.08	0.00	0.00	0.00	1.87	2.92	0.45	0.00	0.00	0.00	0.00
29	0.00	1.33	0.00	0.00	---	2.26	0.03	0.00	0.29	0.00	0.32	0.49
30	0.06	0.00	0.00	0.00	---	0.00	0.76	0.24	0.00	0.00	1.87	0.00
31	0.54	---	0.12	0.00	---	0.00	---	0.04	---	0.00	0.63	---
TOTAL	3.44	6.04	4.50	2.31	3.58	7.79	8.33	11.54	2.65	2.55	4.56	4.63



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.

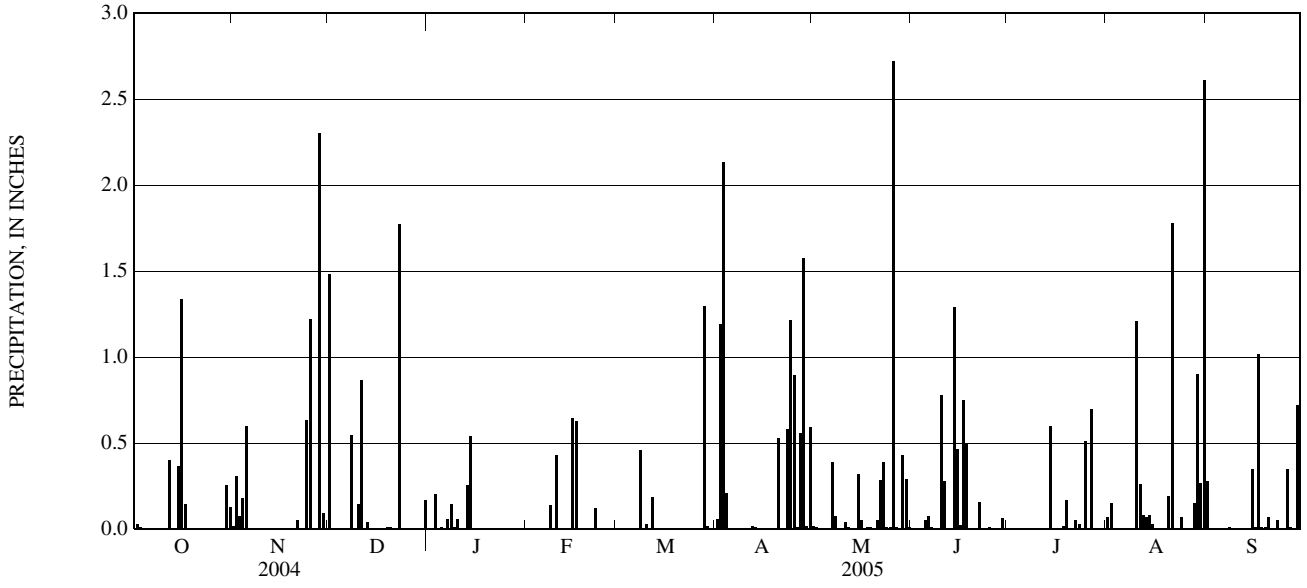
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Kennebec River at Bingham, ME" (station 01046500).

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, July 5-12. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.02	1.48	0.00	0.00	0.00	0.06	0.02	0.00	0.00	0.07	0.28
2	0.03	0.31	0.00	0.00	0.00	0.00	1.19	0.01	0.00	0.00	0.15	0.00
3	0.01	0.08	0.00	0.20	0.00	0.00	2.13	0.00	0.00	0.00	0.00	0.00
4	0.00	0.18	0.00	0.00	0.00	0.00	0.21	0.00	0.00	0.00	0.00	0.00
5	0.00	0.60	0.00	0.01	0.00	0.00	0.00	0.00	0.05	---	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	---	0.00	0.00
7	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.39	0.01	---	0.00	0.00
8	0.00	0.00	0.54	0.14	0.14	0.46	0.00	0.08	0.00	---	0.00	0.01
9	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	---	0.00	0.00
10	0.00	0.00	0.15	0.06	0.43	0.03	0.00	0.00	0.78	---	1.21	0.00
11	0.00	0.00	0.87	0.00	0.00	0.00	0.00	0.04	0.28	---	0.26	0.00
12	0.40	0.00	0.00	0.00	0.00	0.19	0.02	0.01	0.00	---	0.08	0.00
13	0.00	0.00	0.04	0.26	0.00	0.00	0.01	0.00	0.00	0.00	0.07	0.00
14	0.00	0.00	0.00	0.54	0.00	0.00	0.00	0.00	1.29	0.60	0.08	0.00
15	0.37	0.00	0.00	0.00	0.64	0.00	0.00	0.32	0.46	0.00	0.03	0.35
16	1.33	0.00	0.00	0.00	0.63	0.00	0.00	0.06	0.02	0.00	0.00	0.01
17	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00	1.02
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.50	0.02	0.00	0.01
19	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.17	0.00	0.01
20	0.00	0.00	0.01	0.00	0.00	0.00	0.53	0.00	0.00	0.00	0.19	0.07
21	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	1.78	0.00
22	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.28	0.16	0.05	0.00	0.00
23	0.00	0.00	1.77	0.00	0.00	0.00	0.58	0.39	0.00	0.03	0.00	0.05
24	0.00	0.64	0.00	0.00	0.00	0.00	1.22	0.01	0.00	0.00	0.07	0.00
25	0.00	1.22	0.00	0.00	0.00	0.00	0.90	0.01	0.01	0.51	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.01	2.72	0.00	0.00	0.00	0.35
27	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.01	0.00	0.70	0.00	0.01
28	0.00	2.30	0.00	0.00	0.00	1.30	1.57	0.00	0.00	0.00	0.15	0.00
29	0.00	0.10	0.00	0.00	---	0.02	0.02	0.43	0.07	0.00	0.90	0.72
30	0.26	0.00	0.00	0.00	---	0.00	0.59	0.29	0.00	0.00	0.27	0.00
31	0.13	---	0.17	0.00	---	0.00	---	0.01	---	0.00	2.61	---
TOTAL	2.67	5.50	5.04	1.28	1.96	2.00	9.60	5.15	4.46	---	7.92	2.89



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.

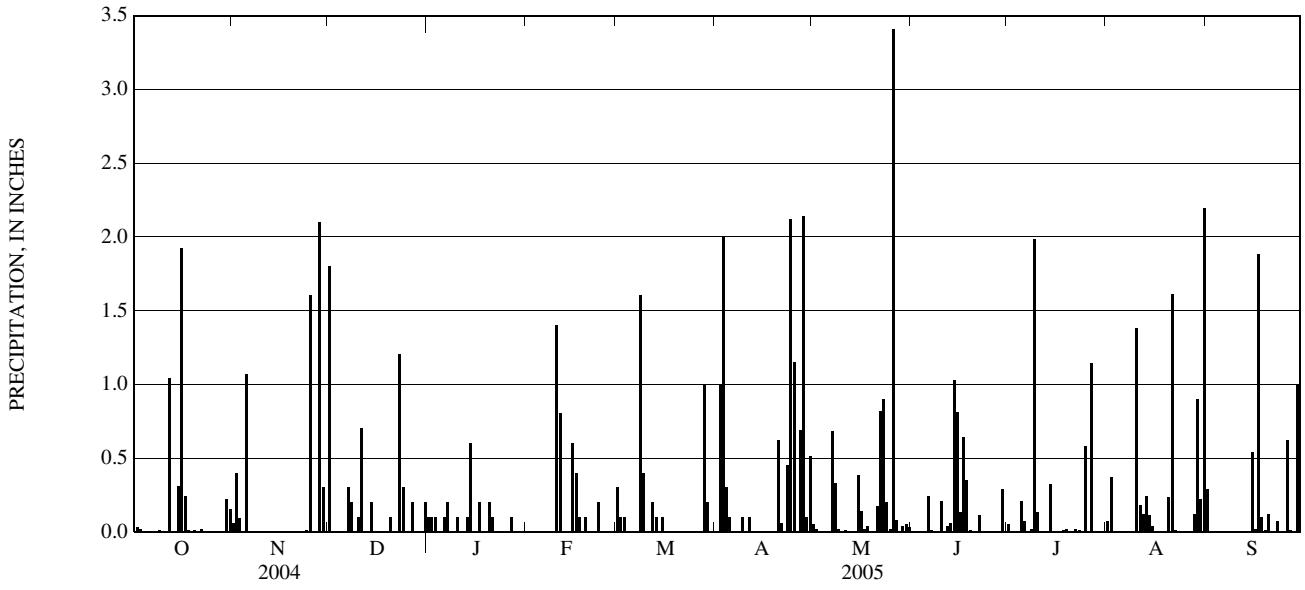
PERIOD OF RECORD.--October 1997 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage, 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. Gage also instrumented with unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, used for winter period. 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.--Tipping bucket gage used Oct. 1 to Nov. 24 and Apr. 18 to Sept. 30. Weighing bucket used Nov. 25 to Apr. 17. Gage is operated as part of the upper Piscataquis River flood warning system. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.06	1.8	0.1	0.0	0.3	0.0	0.05	0.00	0.05	0.07	0.29
2	0.03	0.40	0.0	0.1	0.0	0.1	1.0	0.02	0.00	0.00	0.37	0.00
3	0.02	0.09	0.0	0.1	0.0	0.1	2.0	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.0	0.0	0.0	0.0	0.3	0.00	0.00	0.00	0.00	0.00
5	0.00	1.07	0.0	0.0	0.0	0.0	0.1	0.00	0.00	0.21	0.00	0.00
6	0.00	0.00	0.0	0.1	0.0	0.0	0.0	0.00	0.24	0.07	0.00	0.00
7	0.00	0.00	0.3	0.2	0.0	0.0	0.0	0.68	0.01	0.00	0.00	0.00
8	0.00	0.00	0.2	0.0	0.0	1.6	0.0	0.33	0.00	0.02	0.00	0.00
9	0.01	0.00	0.0	0.0	0.0	0.4	0.1	0.02	0.00	1.98	0.00	0.00
10	0.00	0.00	0.1	0.1	1.4	0.0	0.0	0.00	0.21	0.13	1.38	0.00
11	0.00	0.00	0.7	0.0	0.8	0.0	0.1	0.01	0.00	0.00	0.18	0.00
12	1.04	0.00	0.0	0.0	0.0	0.2	0.0	0.00	0.04	0.00	0.12	0.00
13	0.00	0.00	0.0	0.1	0.0	0.1	0.0	0.00	0.06	0.00	0.24	0.00
14	0.00	0.00	0.2	0.6	0.0	0.0	0.0	0.00	1.03	0.32	0.11	0.00
15	0.31	0.00	0.0	0.0	0.6	0.1	0.0	0.38	0.81	0.00	0.04	0.54
16	1.92	0.00	0.0	0.0	0.4	0.0	0.0	0.14	0.13	0.00	0.00	0.02
17	0.24	0.00	0.0	0.2	0.1	0.0	0.0	0.02	0.64	0.00	0.00	1.88
18	0.01	0.00	0.0	0.0	0.0	0.0	0.00	0.04	0.35	0.01	0.00	0.10
19	0.00	0.00	0.0	0.0	0.1	0.0	0.00	0.00	0.01	0.02	0.00	0.01
20	0.01	0.00	0.1	0.2	0.0	0.0	0.62	0.00	0.00	0.00	0.23	0.12
21	0.00	0.00	0.0	0.1	0.0	0.0	0.06	0.17	0.00	0.00	1.61	0.00
22	0.02	0.00	0.0	0.0	0.0	0.0	0.00	0.82	0.11	0.02	0.01	0.00
23	0.00	0.00	1.2	0.0	0.2	0.0	0.45	0.90	0.00	0.01	0.00	0.07
24	0.00	0.01	0.3	0.0	0.0	0.0	2.12	0.20	0.00	0.00	0.00	0.00
25	0.00	1.6	0.0	0.0	0.0	0.0	1.15	0.02	0.00	0.58	0.00	0.00
26	0.00	0.0	0.0	0.0	0.0	0.0	0.00	3.41	0.00	0.00	0.00	0.62
27	0.00	0.0	0.2	0.1	0.0	0.0	0.69	0.08	0.00	1.14	0.00	0.01
28	0.00	2.1	0.0	0.0	0.0	1.0	2.14	0.00	0.00	0.00	0.12	0.00
29	0.00	0.3	0.0	0.0	---	0.2	0.10	0.04	0.29	0.00	0.90	0.99
30	0.22	0.0	0.0	0.0	---	0.0	0.51	0.05	0.00	0.00	0.22	0.00
31	0.15	---	0.2	0.0	---	0.0	---	0.03	---	0.00	2.19	---
TOTAL	3.98	5.63	5.3	2.0	3.6	4.1	11.44	7.41	3.93	4.56	7.79	4.65



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.

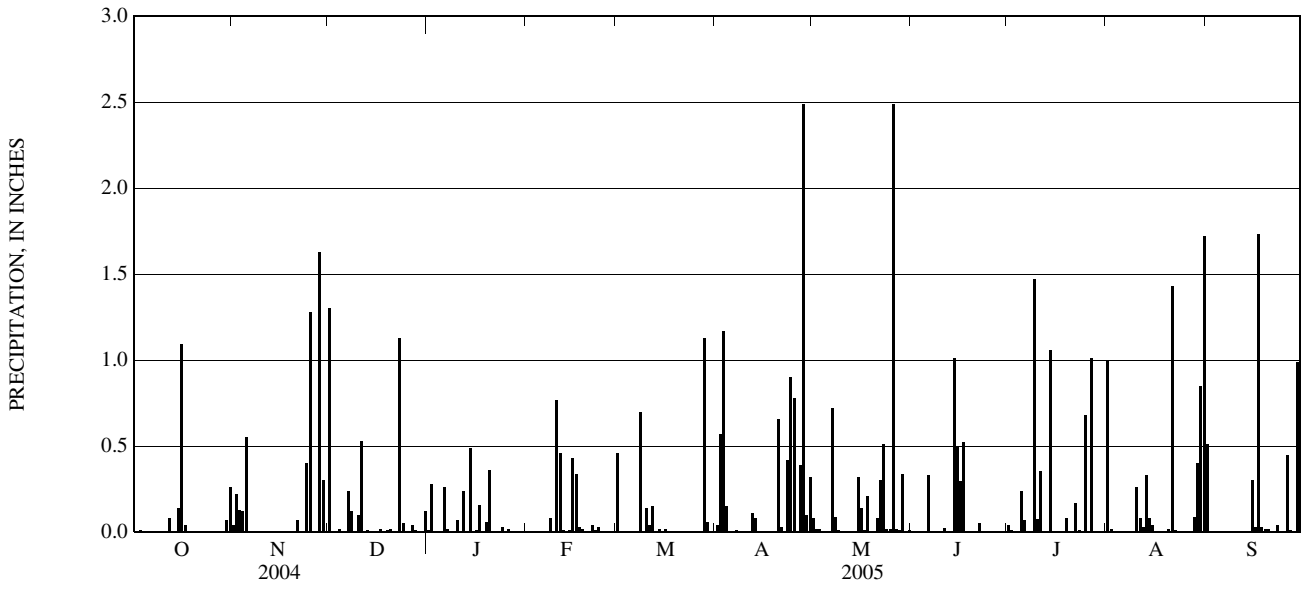
PERIOD OF RECORD.--October 1997 to current year. October 1997 to September 2003 published as "Piscataquis River near Dover- Foxcroft, ME" (station 01031500).

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, June 29-30. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.04	1.30	0.01	0.00	0.46	0.04	0.08	0.00	0.04	1.00	0.51
2	0.00	0.22	0.00	0.28	0.00	0.00	0.57	0.02	0.00	0.01	0.02	0.00
3	0.01	0.13	0.00	0.00	0.00	0.00	1.17	0.02	0.00	0.00	0.00	0.00
4	0.00	0.12	0.02	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00
5	0.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00
6	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.33	0.07	0.00	0.00
7	0.00	0.00	0.24	0.02	0.00	0.00	0.01	0.72	0.00	0.00	0.00	0.00
8	0.00	0.00	0.12	0.00	0.08	0.70	0.00	0.09	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	1.47	0.00	0.00
10	0.00	0.00	0.10	0.07	0.77	0.14	0.00	0.00	0.00	0.08	0.26	0.00
11	0.00	0.00	0.53	0.00	0.46	0.04	0.00	0.00	0.02	0.35	0.08	0.00
12	0.08	0.00	0.00	0.24	0.01	0.15	0.11	0.00	0.00	0.00	0.03	0.00
13	0.00	0.00	0.01	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.33	0.00
14	0.00	0.00	0.00	0.49	0.01	0.02	0.00	0.00	1.01	1.06	0.08	0.00
15	0.14	0.00	0.00	0.00	0.43	0.00	0.00	0.32	0.49	0.00	0.04	0.30
16	1.09	0.00	0.00	0.01	0.34	0.02	0.00	0.14	0.29	0.00	0.00	0.03
17	0.04	0.00	0.02	0.16	0.03	0.00	0.00	0.01	0.52	0.00	0.00	1.73
18	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.21	0.00	0.00	0.00	0.03
19	0.00	0.00	0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.02
20	0.00	0.00	0.02	0.36	0.00	0.00	0.66	0.00	0.00	0.00	0.02	0.02
21	0.00	0.07	0.00	0.00	0.04	0.00	0.03	0.08	0.00	0.00	1.43	0.00
22	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.30	0.06	0.17	0.01	0.00
23	0.00	0.00	1.13	0.00	0.03	0.00	0.42	0.51	0.00	0.01	0.00	0.04
24	0.00	0.40	0.05	0.03	0.00	0.00	0.90	0.02	0.00	0.00	0.00	0.00
25	0.00	1.28	0.00	0.00	0.00	0.00	0.78	0.02	0.00	0.68	0.00	0.00
26	0.00	0.00	0.00	0.02	0.00	0.00	0.00	2.49	0.00	0.00	0.00	0.45
27	0.00	0.00	0.04	0.00	0.00	0.00	0.39	0.02	0.00	1.01	0.00	0.01
28	0.00	1.63	0.01	0.00	0.00	1.13	2.49	0.01	0.00	0.00	0.09	0.00
29	0.00	0.30	0.00	0.00	---	0.06	0.10	0.34	---	0.00	0.40	0.99
30	0.07	0.00	0.00	0.00	---	0.00	0.32	0.00	---	0.00	0.85	0.00
31	0.26	---	0.12	0.00	---	0.00	---	0.01	---	0.00	1.72	---
TOTAL	1.69	4.74	3.72	2.01	2.23	2.72	8.22	5.42	---	5.27	6.36	4.13



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.

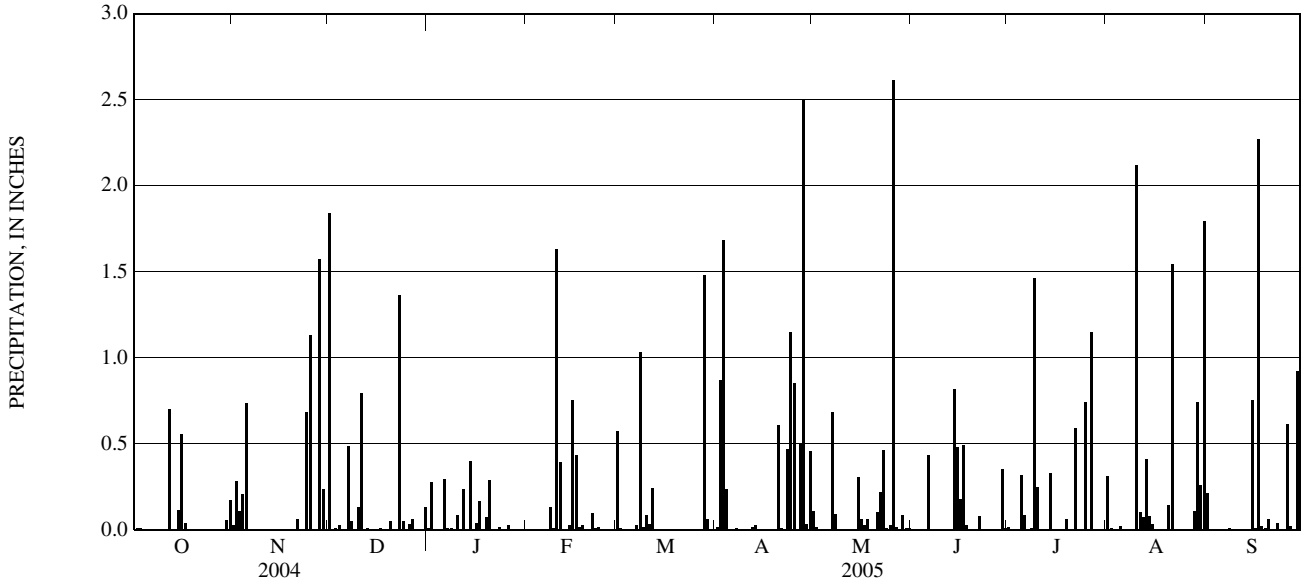
PERIOD OF RECORD.--October 1997 to current year. October 1997 to September 2003 published as "Kingsbury Stream at Abbot Village, ME" (station 01031450).

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.--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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.02	1.84	0.01	0.00	0.57	0.02	0.10	0.00	0.02	0.31	0.21
2	0.01	0.28	0.00	0.28	0.00	0.01	0.87	0.02	0.00	0.00	0.01	0.00
3	0.01	0.11	0.01	0.00	0.00	0.00	1.68	0.00	0.00	0.00	0.00	0.00
4	0.00	0.21	0.02	0.00	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00
5	0.00	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.02	0.00
6	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.43	0.08	0.00	0.00
7	0.00	0.00	0.48	0.01	0.00	0.02	0.01	0.68	0.00	0.00	0.00	0.00
8	0.00	0.00	0.05	0.01	0.13	1.03	0.00	0.09	0.00	0.01	0.00	0.01
9	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	1.46	0.00	0.00
10	0.00	0.00	0.13	0.08	1.63	0.08	0.00	0.00	0.00	0.24	2.12	0.00
11	0.00	0.00	0.79	0.00	0.39	0.03	0.00	0.00	0.00	0.00	0.10	0.00
12	0.70	0.00	0.00	0.23	0.00	0.24	0.02	0.00	0.00	0.00	0.07	0.00
13	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.41	0.00
14	0.00	0.00	0.00	0.40	0.02	0.00	0.00	0.00	0.81	0.33	0.08	0.00
15	0.11	0.00	0.00	0.00	0.75	0.00	0.00	0.31	0.48	0.00	0.03	0.75
16	0.55	0.00	0.00	0.04	0.43	0.00	0.00	0.06	0.18	0.00	0.00	0.01
17	0.04	0.00	0.01	0.17	0.02	0.00	0.00	0.02	0.49	0.00	0.00	2.27
18	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.06	0.02	0.00	0.00	0.02
19	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.01
20	0.00	0.00	0.05	0.29	0.00	0.00	0.60	0.00	0.00	0.00	0.14	0.06
21	0.00	0.06	0.00	0.00	0.10	0.00	0.01	0.10	0.00	0.00	1.54	0.00
22	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.22	0.08	0.59	0.00	0.00
23	0.00	0.00	1.36	0.02	0.02	0.00	0.47	0.46	0.00	0.00	0.00	0.04
24	0.00	0.68	0.05	0.00	0.00	0.00	1.15	0.01	0.00	0.00	0.00	0.00
25	0.00	1.13	0.00	0.00	0.00	0.00	0.85	0.02	0.00	0.74	0.00	0.00
26	0.00	0.00	0.03	0.02	0.00	0.00	0.00	2.61	0.00	0.00	0.00	0.61
27	0.00	0.00	0.06	0.00	0.00	0.00	0.50	0.02	0.00	1.15	0.00	0.02
28	0.00	1.57	0.00	0.00	0.00	1.48	2.50	0.00	0.00	0.00	0.11	0.00
29	0.00	0.24	0.00	0.00	---	0.06	0.03	0.08	0.35	0.00	0.74	0.92
30	0.06	0.00	0.00	0.00	---	0.00	0.46	0.01	0.01	0.00	0.26	0.00
31	0.17	---	0.13	0.00	---	0.00	---	0.01	---	0.00	1.79	---
TOTAL	1.65	5.04	5.02	1.92	3.54	3.54	9.42	4.88	2.85	5.00	7.73	4.93



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.

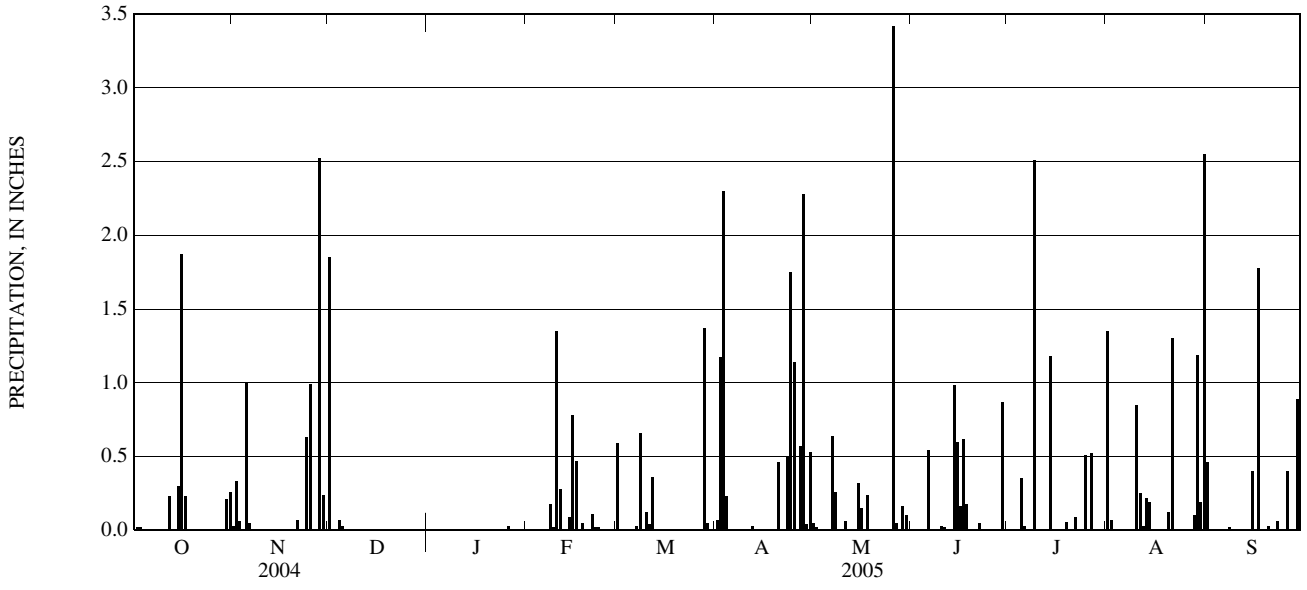
PERIOD OF RECORD.--October 1997 to current year. October 1997 to September 2003 published as "Piscataquis River at Blanchard, ME" (station 01031300).

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, Dec. 6 to Jan. 24, May 21-24, and July 10-13. 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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.03	1.85	---	0.00	0.59	0.07	0.05	0.00	0.01	1.35	0.46
2	0.02	0.33	0.00	---	0.00	0.00	1.17	0.02	0.00	0.01	0.07	0.00
3	0.02	0.06	0.00	---	0.00	0.00	2.30	0.01	0.00	0.00	0.00	0.00
4	0.00	0.00	0.07	---	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00
5	0.00	1.00	0.03	---	0.00	0.00	0.00	0.00	0.00	0.35	0.01	0.00
6	0.00	0.05	---	---	0.00	0.00	0.00	0.00	0.54	0.03	0.00	0.00
7	0.00	0.00	---	---	0.00	0.03	0.01	0.64	0.01	0.00	0.00	0.00
8	0.00	0.00	---	---	0.18	0.66	0.00	0.26	0.00	0.01	0.00	0.02
9	0.00	0.00	---	---	0.02	0.01	0.00	0.00	0.00	2.51	0.00	0.00
10	0.00	0.00	---	---	1.35	0.12	0.00	0.00	0.03	---	0.85	0.00
11	0.00	0.00	---	---	0.28	0.04	0.00	0.06	0.02	---	0.25	0.00
12	0.23	0.00	---	---	0.01	0.36	0.03	0.00	0.00	---	0.03	0.00
13	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	---	0.22	0.00
14	0.00	0.00	---	---	0.09	0.00	0.00	0.00	0.98	1.18	0.19	0.00
15	0.30	0.00	---	---	0.78	0.00	0.00	0.32	0.60	0.00	0.01	0.40
16	1.87	0.00	---	---	0.47	0.00	0.00	0.15	0.16	0.00	0.00	0.01
17	0.23	0.00	---	---	0.01	0.00	0.00	0.00	0.62	0.00	0.00	1.78
18	0.01	0.00	---	---	0.05	0.00	0.00	0.24	0.18	0.00	0.00	0.01
19	0.00	0.00	---	---	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00
20	0.00	0.00	---	---	0.00	0.00	0.46	0.00	0.00	0.00	0.12	0.03
21	0.01	0.07	---	---	0.11	0.00	0.01	---	0.00	0.00	1.30	0.00
22	0.00	0.00	---	---	0.02	0.00	0.00	---	0.05	0.09	0.00	0.00
23	0.00	0.00	---	---	0.02	0.00	0.50	---	0.00	0.00	0.00	0.06
24	0.00	0.63	---	---	0.00	0.00	1.75	---	0.00	0.00	0.00	0.00
25	0.00	0.99	---	0.00	0.00	0.00	1.14	0.00	0.00	0.51	0.00	0.00
26	0.00	0.00	---	0.03	0.00	0.00	0.00	3.42	0.00	0.00	0.00	0.40
27	0.00	0.00	---	0.00	0.00	0.00	0.57	0.05	0.00	0.52	0.00	0.00
28	0.01	2.52	---	0.00	0.00	1.37	2.28	0.00	0.00	0.00	0.10	0.00
29	0.00	0.24	---	0.00	---	0.05	0.04	0.16	0.87	0.00	1.19	0.89
30	0.21	0.00	---	0.00	---	0.00	0.53	0.10	0.00	0.00	0.19	0.00
31	0.26	---	---	0.00	---	0.00	---	0.01	---	0.00	2.55	---
TOTAL	3.17	5.92	---	---	3.39	3.23	11.09	---	4.06	---	8.43	4.06



452025069574701 THE FORKS PRECIPITATION AT THE FORKS, ME

LOCATION.--Lat 45° 20'25", long 69° 57'47", 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.

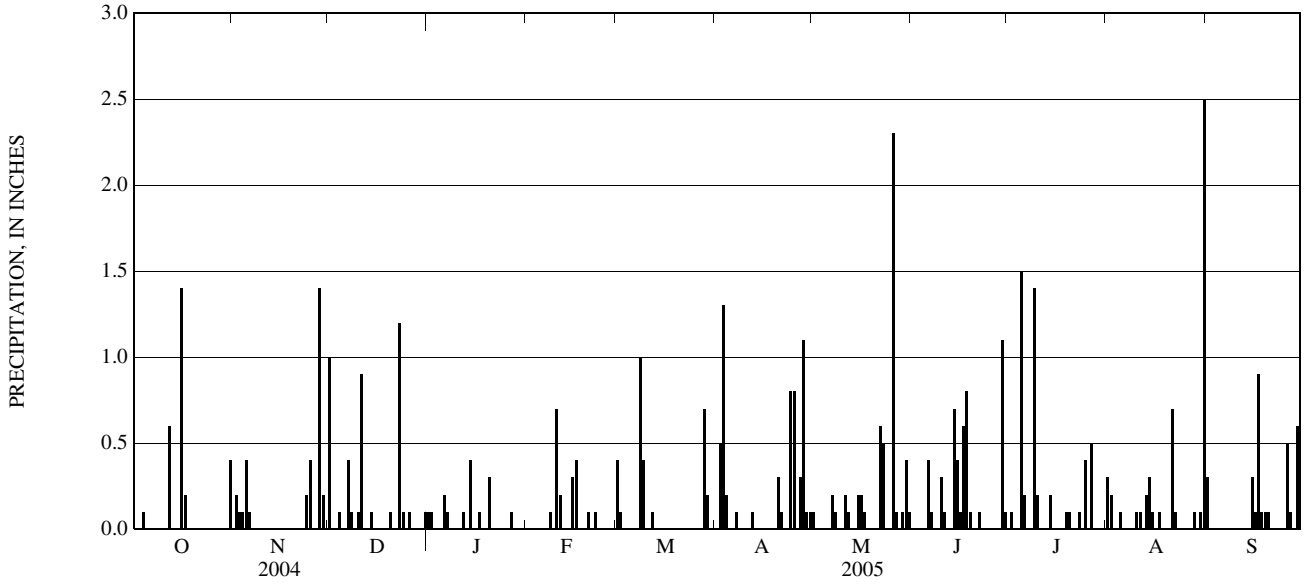
PERIOD OF RECORD.--October 1999 to current year. October 1999 to September 2003 published as "Kennebec River at The Forks, ME" (station 01042500).

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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	1.0	0.1	0.0	0.4	0.0	0.1	0.0	0.0	0.3	0.3
2	0.0	0.2	0.0	0.1	0.0	0.1	0.5	0.0	0.0	0.1	0.2	0.0
3	0.0	0.1	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
4	0.1	0.1	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
5	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.1	0.0
6	0.0	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.2	0.0	0.0
7	0.0	0.0	0.4	0.1	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0
8	0.0	0.0	0.1	0.0	0.1	1.0	0.0	0.1	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	1.4	0.0	0.0
10	0.0	0.0	0.1	0.0	0.7	0.0	0.0	0.0	0.3	0.2	0.1	0.0
11	0.0	0.0	0.9	0.0	0.2	0.0	0.0	0.2	0.1	0.0	0.1	0.0
12	0.6	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
14	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.7	0.2	0.3	0.0
15	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.4	0.0	0.1	0.3
16	1.4	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.1	0.0	0.0	0.1
17	0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.6	0.0	0.1	0.9
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.1
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
20	0.0	0.0	0.1	0.3	0.1	0.0	0.3	0.0	0.0	0.1	0.0	0.1
21	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.7	0.0
22	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.6	0.1	0.0	0.1	0.0
23	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.5	0.0	0.1	0.0	0.0
24	0.0	0.2	0.1	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0
25	0.0	0.4	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.4	0.0	0.0
26	0.0	0.0	0.1	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.5
27	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.1	0.0	0.5	0.0	0.1
28	0.0	1.4	0.0	0.0	0.0	0.7	1.1	0.0	0.0	0.0	0.1	0.0
29	0.0	0.2	0.0	0.0	---	0.2	0.1	0.1	1.1	0.0	0.0	0.6
30	0.0	0.0	0.0	0.0	---	0.0	0.1	0.4	0.1	0.0	0.1	0.0
31	0.4	---	0.1	0.0	---	0.0	---	0.1	---	0.0	2.5	---
TOTAL	2.7	3.1	4.3	1.5	1.9	2.9	5.8	5.3	4.9	4.8	5.0	3.1



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.

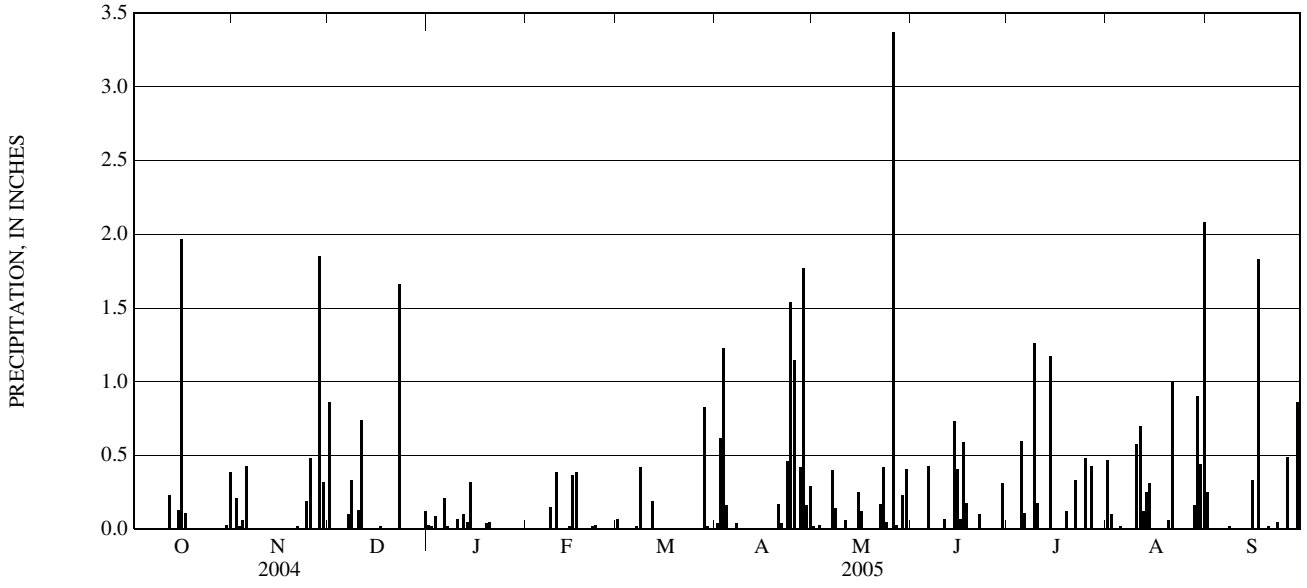
PERIOD OF RECORD.--November 2000 to current year.

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.--Gage is operated as part of the upper Piscataquis River flood warning system. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.01	0.86	0.03	0.00	0.07	0.04	0.02	0.00	0.00	0.47	0.25
2	0.01	0.21	0.00	0.02	0.00	0.00	0.62	0.01	0.00	0.01	0.10	0.00
3	0.01	0.02	0.01	0.09	0.00	0.00	1.23	0.03	0.00	0.00	0.00	0.00
4	0.00	0.06	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.00
5	0.00	0.43	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.02	0.00
6	0.00	0.01	0.00	0.21	0.00	0.00	0.00	0.00	0.43	0.11	0.00	0.00
7	0.00	0.00	0.10	0.02	0.00	0.02	0.04	0.40	0.00	0.00	0.00	0.00
8	0.00	0.00	0.33	0.01	0.15	0.42	0.00	0.14	0.00	0.00	0.00	0.02
9	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	1.26	0.00	0.00
10	0.00	0.00	0.13	0.07	0.39	0.00	0.00	0.00	0.00	0.18	0.58	0.00
11	0.00	0.00	0.74	0.00	0.00	0.01	0.00	0.06	0.07	0.00	0.70	0.00
12	0.23	0.00	0.00	0.10	0.00	0.19	0.00	0.01	0.00	0.00	0.12	0.00
13	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00
14	0.00	0.00	0.00	0.32	0.02	0.00	0.00	0.00	0.73	1.17	0.31	0.00
15	0.13	0.00	0.00	0.00	0.37	0.00	0.00	0.25	0.41	0.00	0.00	0.33
16	1.97	0.00	0.00	0.00	0.39	0.00	0.00	0.12	0.07	0.00	0.00	0.01
17	0.11	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.01	1.83
18	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.18	0.00	0.00	0.01
19	0.00	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00
20	0.00	0.00	0.01	0.05	0.00	0.00	0.17	0.00	0.00	0.00	0.06	0.02
21	0.00	0.02	0.00	0.00	0.02	0.00	0.04	0.01	0.00	0.00	1.00	0.00
22	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.17	0.10	0.33	0.00	0.00
23	0.00	0.00	1.66	0.00	0.01	0.00	0.46	0.42	0.00	0.00	0.00	0.05
24	0.00	0.19	0.01	0.00	0.00	0.00	1.54	0.05	0.00	0.00	0.00	0.00
25	0.00	0.48	0.00	0.00	0.00	0.00	1.15	0.00	0.00	0.48	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.37	0.00	0.00	0.00	0.49
27	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.03	0.00	0.43	0.00	0.01
28	0.00	1.85	0.00	0.00	0.00	0.83	1.77	0.01	0.00	0.00	0.16	0.00
29	0.00	0.32	0.00	0.00	---	0.02	0.16	0.23	0.31	0.00	0.90	0.86
30	0.03	0.00	0.00	0.00	---	0.00	0.29	0.41	0.00	0.00	0.44	0.00
31	0.39	---	0.12	0.00	---	0.00	---	0.01	---	0.00	2.08	---
TOTAL	2.88	3.60	4.01	1.01	1.40	1.56	8.09	5.75	2.89	4.69	7.20	3.88



453405067254501 VANCEBORO PRECIPITATION AT VANCEBORO, ME

LOCATION.--Lat 45° 34'05", long 67° 25'45", 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.

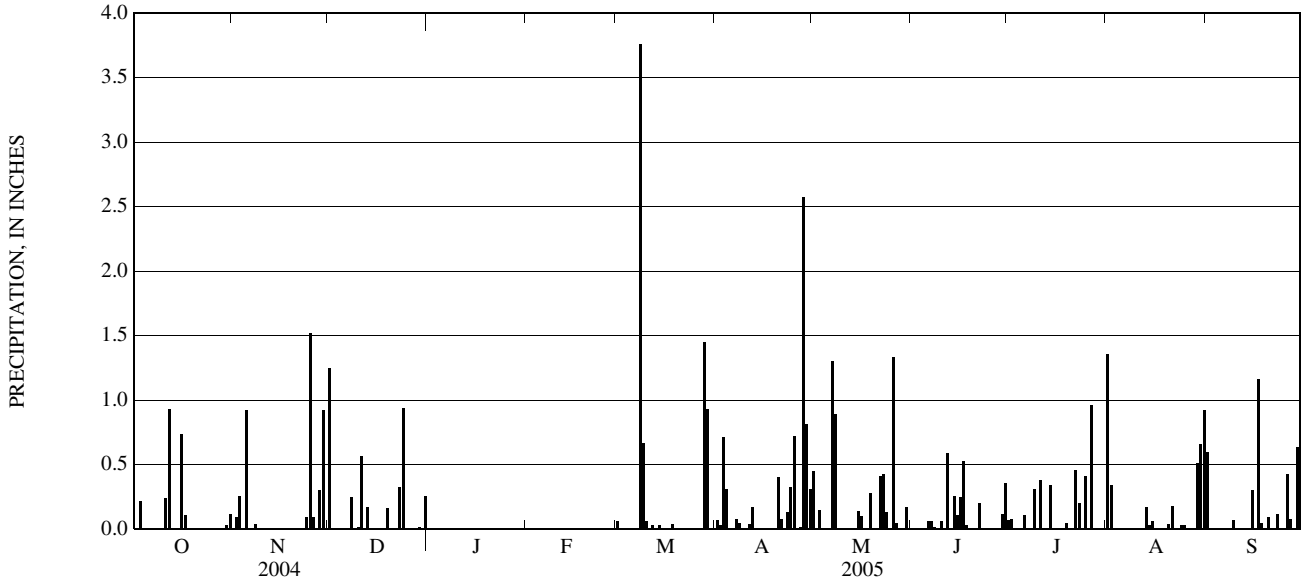
PERIOD OF RECORD.--September 2004 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on top of the Vanceboro U.S. Customs garage, with the top of the collector 20 ft above the ground. Elevation of gage is 398 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No precipitation record January 1 to February 20. Gage is operated in conjunction with a co-located streamflow gage (station 01018500). Records for streamflow are located in the Surface-Water-Discharge section in this report. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.01	1.25	---	---	0.06	0.07	0.45	0.00	0.07	1.36	0.60
2	0.00	0.09	0.00	---	---	0.01	0.03	0.00	0.00	0.08	0.34	0.00
3	0.22	0.26	0.00	---	---	0.00	0.71	0.15	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	---	---	0.00	0.31	0.00	0.00	0.00	0.00	0.00
5	0.00	0.92	0.00	---	---	0.00	0.01	0.00	0.01	0.01	0.01	0.00
6	0.00	0.00	0.00	---	---	0.00	0.00	0.00	0.06	0.11	0.00	0.00
7	0.00	0.00	0.01	---	---	0.01	0.08	1.30	0.06	0.00	0.00	0.00
8	0.00	0.04	0.25	---	---	3.76	0.05	0.89	0.02	0.00	0.00	0.00
9	0.00	0.00	0.00	---	---	0.67	0.00	0.00	0.00	0.31	0.00	0.07
10	0.00	0.00	0.02	---	---	0.06	0.00	0.00	0.06	0.01	0.00	0.00
11	0.24	0.00	0.57	---	---	0.00	0.04	0.00	0.00	0.38	0.00	0.00
12	0.93	0.00	0.00	---	---	0.03	0.17	0.01	0.59	0.00	0.00	0.00
13	0.00	0.00	0.17	---	---	0.00	0.01	0.00	0.00	0.00	0.17	0.00
14	0.00	0.00	0.00	---	---	0.03	0.00	0.00	0.26	0.34	0.03	0.00
15	0.01	0.00	0.00	---	---	0.00	0.00	0.14	0.11	0.00	0.06	0.30
16	0.74	0.00	0.00	---	---	0.00	0.00	0.10	0.25	0.00	0.00	0.00
17	0.11	0.00	0.00	---	---	0.00	0.00	0.00	0.53	0.00	0.00	1.16
18	0.00	0.00	0.00	---	---	0.04	0.00	0.00	0.03	0.00	0.00	0.05
19	0.00	0.00	0.16	---	---	0.01	0.00	0.28	0.00	0.05	0.00	0.00
20	0.00	0.00	0.01	---	---	0.00	0.40	0.01	0.00	0.00	0.04	0.09
21	0.00	0.00	0.00	---	0.00	0.00	0.08	0.01	0.00	0.00	0.18	0.00
22	0.00	0.00	0.00	---	0.01	0.00	0.00	0.41	0.20	0.46	0.00	0.00
23	0.00	0.00	0.33	---	0.01	0.00	0.13	0.43	0.00	0.20	0.00	0.12
24	0.00	0.09	0.94	---	0.00	0.00	0.33	0.13	0.00	0.00	0.03	0.00
25	0.00	1.52	0.00	---	0.00	0.00	0.72	0.00	0.01	0.41	0.03	0.00
26	0.00	0.09	0.00	---	0.00	0.00	0.00	1.33	0.00	0.01	0.00	0.43
27	0.00	0.00	0.00	---	0.00	0.00	0.02	0.05	0.00	0.96	0.00	0.08
28	0.00	0.30	0.00	---	0.00	1.45	2.57	0.00	0.00	0.01	0.00	0.00
29	0.00	0.92	0.02	---	---	0.93	0.81	0.00	0.12	0.00	0.51	0.64
30	0.03	0.00	0.00	---	---	0.00	0.31	0.17	0.36	0.00	0.66	0.00
31	0.12	---	0.26	---	---	0.00	---	0.00	---	0.00	0.92	---
TOTAL	2.40	4.24	3.99	---	---	7.06	6.85	5.86	2.67	3.41	4.34	3.54



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.

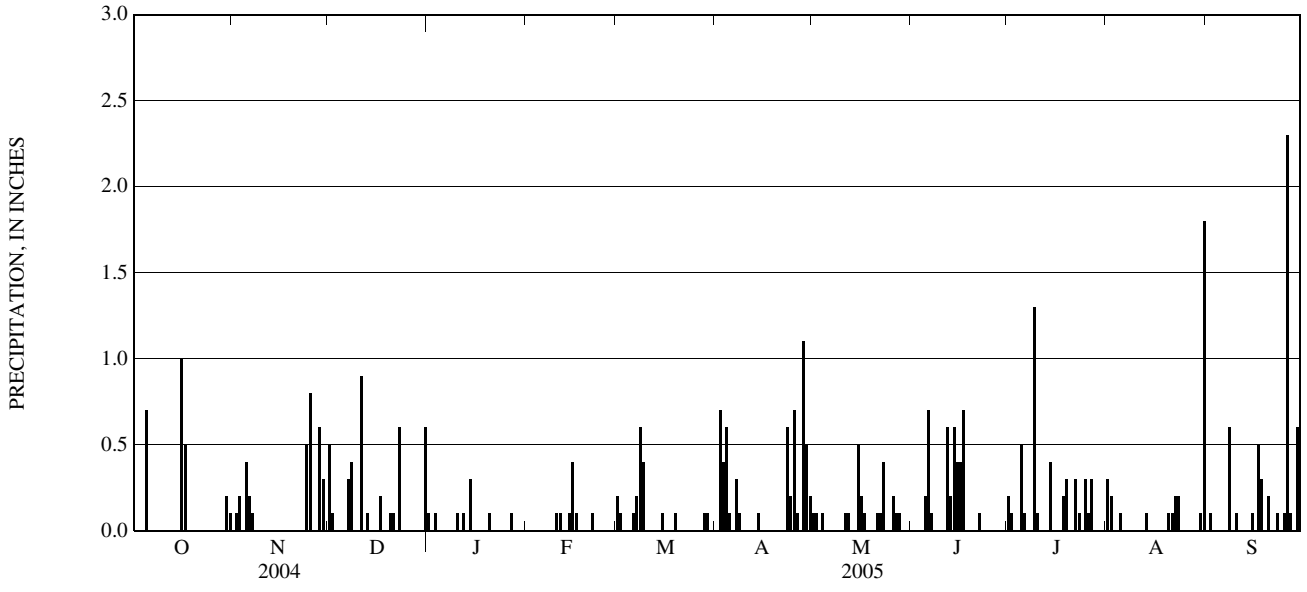
PERIOD OF RECORD.--October 2002 to current year. October 2002 to September 2003 published as "St. John River at Ninemile Bridge, ME" (station 01010000).

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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.0	0.0	0.5	0.1	0.0	0.2	0.0	0.1	0.0	0.2	0.3	0.0
2	0.0	0.1	0.1	0.0	0.0	0.1	0.7	0.1	0.0	0.1	0.2	0.1
3	0.0	0.2	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.0
5	0.7	0.4	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.5	0.1	0.0
6	0.0	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.7	0.1	0.0	0.0
7	0.0	0.1	0.3	0.0	0.0	0.2	0.3	0.0	0.1	0.0	0.0	0.0
8	0.0	0.0	0.4	0.0	0.0	0.6	0.1	0.0	0.0	0.0	0.0	0.6
9	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	1.3	0.0	0.0
10	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
11	0.0	0.0	0.9	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.6	0.0	0.0	0.0
13	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0
14	0.0	0.0	0.0	0.3	0.1	0.0	0.1	0.0	0.6	0.4	0.0	0.0
15	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.5	0.4	0.0	0.0	0.1
16	1.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.4	0.0	0.0	0.0
17	0.5	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.7	0.0	0.0	0.5
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.3
19	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.0	0.0
20	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
21	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	0.2	0.0
23	0.0	0.0	0.6	0.0	0.0	0.0	0.6	0.4	0.0	0.1	0.2	0.1
24	0.0	0.5	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
25	0.0	0.8	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.3	0.0	0.1
26	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.0	2.3
27	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.1
28	0.0	0.6	0.0	0.0	0.0	0.1	1.1	0.1	0.0	0.0	0.0	0.0
29	0.0	0.3	0.0	0.0	---	0.1	0.5	0.0	0.0	0.0	0.0	0.6
30	0.2	0.0	0.0	0.0	---	0.0	0.2	0.0	0.0	0.0	0.1	0.0
31	0.1	---	0.6	0.0	---	0.0	---	0.0	---	0.0	1.8	---
TOTAL	2.5	3.2	3.9	0.9	0.9	2.0	5.7	2.3	4.0	4.3	3.2	5.1



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.

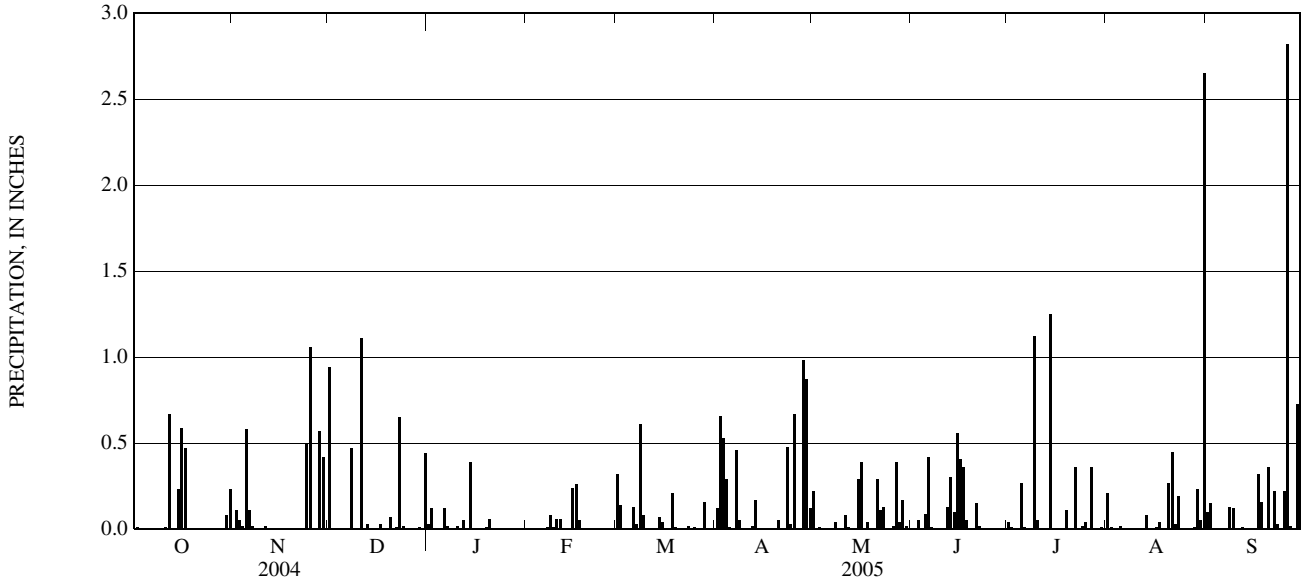
PERIOD OF RECORD.--October 2002 to current year. October 2002 to September 2003 published as "St. John River at Dickey, ME" (station 01010500).

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 2004 TO SEPTEMBER 2005
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.94	0.03	0.00	0.32	0.12	0.22	0.00	0.04	0.21	0.10
2	0.01	0.11	0.00	0.12	0.00	0.14	0.66	0.00	0.00	0.01	0.01	0.15
3	0.00	0.05	0.00	0.00	0.00	0.00	0.53	0.01	0.05	0.00	0.00	0.00
4	0.00	0.02	0.00	0.00	0.00	0.00	0.29	0.00	0.00	0.00	0.00	0.00
5	0.00	0.58	0.00	0.00	0.00	0.00	0.01	0.00	0.09	0.27	0.02	0.00
6	0.00	0.11	0.00	0.12	0.00	0.13	0.00	0.00	0.42	0.01	0.00	0.00
7	0.00	0.02	0.00	0.02	0.01	0.03	0.46	0.00	0.01	0.00	0.00	0.00
8	0.00	0.00	0.47	0.00	0.08	0.61	0.05	0.04	0.00	0.00	0.00	0.13
9	0.00	0.00	0.00	0.00	0.01	0.08	0.00	0.00	0.00	1.12	0.00	0.12
10	0.00	0.00	0.00	0.02	0.06	0.00	0.00	0.00	0.00	0.05	0.00	0.00
11	0.01	0.02	1.11	0.00	0.06	0.00	0.00	0.08	0.00	0.00	0.00	0.00
12	0.67	0.00	0.00	0.05	0.00	0.00	0.02	0.01	0.13	0.00	0.00	0.01
13	0.00	0.00	0.03	0.00	0.00	0.00	0.17	0.00	0.30	0.00	0.08	0.00
14	0.00	0.00	0.00	0.39	0.00	0.07	0.00	0.00	0.10	1.25	0.00	0.00
15	0.23	0.00	0.00	0.00	0.24	0.04	0.00	0.29	0.56	0.00	0.00	0.00
16	0.59	0.00	0.00	0.00	0.26	0.00	0.00	0.39	0.41	0.00	0.01	0.00
17	0.47	0.00	0.03	0.00	0.05	0.00	0.00	0.00	0.36	0.00	0.04	0.32
18	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.04	0.05	0.00	0.00	0.16
19	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.11	0.00	0.00
20	0.00	0.00	0.07	0.06	0.00	0.00	0.05	0.00	0.00	0.00	0.27	0.36
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.15	0.00	0.45	0.00
22	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.11	0.02	0.36	0.03	0.22
23	0.00	0.00	0.65	0.00	0.00	0.02	0.48	0.13	0.00	0.00	0.19	0.03
24	0.00	0.50	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.02	0.00	0.00
25	0.00	1.06	0.00	0.00	0.00	0.01	0.67	0.00	0.00	0.04	0.00	0.22
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	2.82
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.36	0.00	0.02
28	0.00	0.57	0.00	0.00	0.00	0.16	0.98	0.04	0.00	0.00	0.01	0.00
29	0.00	0.42	0.01	0.00	---	0.00	0.87	0.17	0.00	0.00	0.23	0.73
30	0.08	0.00	0.00	0.00	---	0.00	0.12	0.02	0.00	0.01	0.05	0.00
31	0.23	---	0.44	0.00	---	0.00	---	0.00	---	0.00	2.65	---
TOTAL	2.29	3.46	3.78	0.82	0.77	1.83	5.51	2.25	2.65	3.65	4.25	5.39



QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)
431232070471101 SOUTH BERWICK SNOW SITE (1324-143) (LAT 43 12 32N LONG 070 47 11W)					
FEB 2005					
28...	14	4.60			
432500070394001 WEST KENNEBUNK SNOW SITE (1121-129) (LAT 43 25 00N LONG 070 39 40W)					
FEB 2005			APR 2005		
16...	12	3.70	05...	.50	.20
28...	13	4.00	12...	.00	.00
MAR			19...	.00	.00
09...	21	5.10			
14...	29	5.80			
21...	20	5.90			
29...	14	4.70			
433159070290301 SACO (TANNERY SITE) SNOW SITE (1490-240) (LAT 43 31 59N LONG 070 29 03W)					
JAN 2005			APR 2005		
18...	4.9	1.60	05...	.50	.20
FEB			12...	.00	.00
15...	12	3.60	19...	.00	.00
28...	12	3.70			
MAR					
14...	28	7.50			
21...	18	6.00			
29...	15	5.50			
433750070535501 NEWFIELD SNOW SITE (1192-117) (LAT 43 37 50N LONG 070 53 55W)					
JAN 2005			MAR 2005		
18...	4.6	1.00	14...	31	7.30
FEB			21...	24	7.40
16...	14	4.00	29...	18	6.30
28...	15	4.40	APR		
MAR			05...	7.2	2.40
09...	28	5.90	19...	.00	.00
433900070401101 HOLLIS (NWS) SNOW SITE (1510-000) (LAT 43 39 00N LONG 070 40 11W)					
JAN 2005			MAR 2005		
18...	5.3	1.20	14...	32	7.30
FEB			21...	23	7.60
15...	16	4.40	29...	18	7.70
28...	15	4.10	APR		
MAR			05...	7.8	2.80
09...	25	5.90	12...	.00	.00
			19...	.00	.00
434403070152601 FALMOUTH SNOW SITE (1183-112) (LAT 43 44 03N LONG 070 15 26W)					
JAN 2005			FEB 2005		
18...	3.5	1.00	15...	13	3.80
434538070310101 SEBAGO SNOW SITE (1083-111) (LAT 43 45 38N LONG 070 31 01W)					
JAN 2005			MAR 2005		
18...	4.2	.90	14...	35	7.90
FEB			21...	29	8.10
15...	14	4.40	29...	22	8.00
28...	16	4.40	APR		
MAR			05...	9.0	3.20
09...	25	5.90	12...	.00	.00
434900070461401 CORNISH SNOW SITE (1056-114) (LAT 43 49 00N LONG 070 46 14W)					
JAN 2005			MAR 2005		
18...	4.4	.80	14...	31	6.60
FEB			21...	22	6.40
16...	13	3.80	29...	16	5.20
28...	15	3.80	APR		
MAR			05...	6.2	2.10
09...	27	6.00	19...	.00	.00

QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)

435244070375701 NORTH SEBAGO (NWS) SNOW SITE (1527) (LAT 43 52 44N LONG 070 37 57W)

FEB 2005			APR 2005		
15...	19	4.30	05...	7.2	2.90
15...	19	4.30	05...	7.2	2.90
MAR			19...	.00	.00
22...	23	6.90	19...	.00	.00
22...	23	6.90			
29...	14	7.50			
29...	14	7.50			

435259070150001 GRAY (NWS) SNOW SITE (1509-000) (LAT 43 52 59N LONG 070 15 00W)

JAN 2005			MAR 2005		
18...	3.0	.60	14...	34	7.50
FEB			21...	22	7.70
16...	16	4.60	29...	15	6.50
28...	16	4.00	APR		
MAR			05...	3.8	1.30
09...	30	6.70	19...	.00	.00

435900070030001 DURHAM (NWS) SNOW SITE (1494-000) (LAT 43 59 00N LONG 070 03 00W)

MAR 2005			APR 2005		
07...	19	5.00	04...	6.0	2.20
14...	32	7.50			
21...	21	6.90			
29...	17	6.30			

440009069565001 TOPSHAM SNOW SITE (1170-104) (LAT 44 00 09N LONG 069 56 50W)

JAN 2005			FEB 2005		
18...	3.9	.80	15...	13	4.00

440336070163101 AUBURN SNOW SITE (1136-095) (LAT 44 03 36N LONG 070 16 31W)

FEB 2005		
28...	15	4.30

441156069294401 JEFFERSON SNOW SITE (1318-137) (LAT 44 11 56N LONG 069 29 44W)

JAN 2005			MAR 2005		
18...	4.2	.60	15...	20	5.30
FEB			22...	17	5.40
15...	10	2.50	28...	13	4.80
28...	13	4.00	APR		
MAR			05...	.50	.20
09...	20	4.40	12...	.00	.00
			19...	.00	.00

441250069105701 SOUTH HOPE SNOW SITE (1325-127) (LAT 44 12 50N LONG 069 10 57W)

JAN 2005			MAR 2005		
18...	3.6	.60	15...	21	5.60
FEB			22...	15	4.60
15...	12	3.00	28...	10	3.80
28...	12	3.70	APR		
MAR			05...	.00	.00
09...	19	4.30	12...	.00	.00
			19...	.00	.00

441723069422801 AUGUSTA SNOW SITE (1008-066) (LAT 44 17 23N LONG 069 42 28W)

JAN 2005			MAR 2005		
18...	4.0	.80	21...	15	4.20
FEB			28...	11	3.50
15...	10	2.30	29...	7.9	3.00
MAR			APR		
02...	16	4.03	05...	.00	.00
09...	19	4.50	12...	.00	.00
			19...	.00	.00

442059069530301 MANCHESTER SNOW SITE (1118-084) (LAT 44 20 59N LONG 069 53 03W)

MAR 2005		
02...	22	4.68

QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)

442227070190101 HARTFORD (NWS) SNOW SITE (1516-000) (LAT 44 22 27N LONG 070 19 01W)

FEB 2005			APR 2005		
15...	30	8.10	05...	14	6.10
MAR			12...	.00	.00
02...	36	10.70			
09...	30	9.70			
14...	44	10.20			
21...	28	10.70			
29...	23	9.40			

442412069133801 SEARSMONT SNOW SITE (1093-126) (LAT 44 24 12N LONG 069 13 38W)

JAN 2005			MAR 2005		
18...	3.7	.50	15...	19	5.10
FEB			22...	15	4.90
15...	12	2.60	28...	13	4.60
28...	12	3.70	APR		
MAR			05...	.50	.20
09...	19	4.50	12...	.00	.00
			19...	.00	.00

442451070501601 BETHEL SNOW SITE (1045-097) (LAT 44 24 51N LONG 070 50 16W)

JAN 2005			MAR 2005		
17...	11	3.60	14...	34	8.20
FEB			21...	28	9.40
14...	20	6.20	29...	25	8.80
28...	20	6.40	APR		
MAR			04...	17	6.50
07...	23	6.50	11...	.50	.20
			18...	.00	.00

443116069525801 BELGRADE SNOW SITE (1123-067) (LAT 44 31 16N LONG 069 52 58W)

JAN 2005			MAR 2005		
18...	5.2	.90	15...	22	5.80
FEB			21...	18	4.90
15...	18	3.90	29...	13	4.30
28...	14	3.30	APR		
MAR			05...	2.0	.70
09...	25	5.70	12...	.50	.20
			19...	.00	.00

443324068474901 BUCKSPORT SNOW SITE (1146-027) (LAT 44 33 24N LONG 068 47 49W)

JAN 2005			MAR 2005		
18...	4.5	.80	15...	17	4.97
FEB			22...	14	4.70
15...	11	2.50	28...	10	3.60
28...	12	3.60	APR		
MAR			05...	.00	.00
09...	16	4.10	12...	.00	.00
			19...	.00	.00

443412070542201 NEWRY (SCREW AUGER FALLS) SNOW SITE (1169-180) (LAT 44 34 12N LONG 070 54 22W)

JAN 2005			MAR 2005		
17...	11	3.60	14...	38	9.50
FEB			21...	31	10.50
14...	20	5.30	29...	29	10.00
28...	21	6.60	APR		
MAR			04...	19	7.20
07...	25	7.40	11...	6.6	2.70
			18...	2.1	1.00

443450070200201 DIXFIELD (B) SNOW SITE (1546-000) (LAT 44 34 50N LONG 070 20 02W)

JAN 2005			MAR 2005		
17...	10	3.70	14...	34	10.10
FEB			21...	30	10.20
14...	22	6.20	29...	27	9.40
28...	19	5.90	APR		
MAR			04...	20	7.90
07...	24	7.60	11...	4.7	1.90
			18...	.00	.00

443748068072701 FRANKLIN SNOW SITE (1112-124) (LAT 44 37 48N LONG 068 07 27W)

FEB 2005		
28...	14	3.70

QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)

443836070350801 ROXBURY SNOW SITE (1051-102) (LAT 44 38 36N LONG 070 35 08W)

JAN 2005			MAR 2005		
17...	11	3.60	14...	30	8.20
FEB			21...	22	8.00
14...	17	5.00	29...	20	7.00
28...	16	5.30	APR		
MAR			04...	12	4.70
07...	21	5.90	11...	.50	.20
			18...	.00	.00

444053069084801 DIXMONT SNOW SITE (1205-032) (LAT 44 40 53N LONG 069 08 48W)

JAN 2005			APR 2005		
18...	4.0	.50	05...	7.4	3.00
FEB			12...	.50	.20
15...	16	3.60	19...	.00	.00
28...	16	4.10			
MAR					
09...	26	5.90			
15...	25	6.10			
22...	19	3.90			

444055069535301 MERCER SNOW SITE (1015-085) (LAT 44 40 55N LONG 069 53 53W)

JAN 2005			APR 2005		
17...	6.8	1.80	04...	15	5.80
FEB			12...	.00	.00
14...	21	4.10	19...	.00	.00
28...	17	4.70			
MAR					
07...	21	5.10			
15...	30	7.40			
28...	18	6.20			

444229067312801 WHITNEYVILLE SNOW SITE (1041-130) (LAT 44 42 29N LONG 067 31 28W)

FEB 2005		
28...	15	4.80

444311067450801 COLUMBIA FALLS/EPPING SNOW SITE (1317-145) (LAT 44 43 11N LONG 067 45 08W)

FEB 2005		
28...	18	5.30

444408069254501 PITTSFIELD (B) SNOW SITE (1050-091) (LAT 44 44 08N LONG 069 25 45W)

JAN 2005			APR 2005		
17...	3.3	.50	04...	1.6	.60
FEB			12...	.00	.00
14...	12	1.80	19...	.00	.00
MAR					
03...	19	4.15			
15...	20	4.50			
21...	15	4.90			
28...	7.5	3.10			

444551070263801 WELD-PHILLIPS SNOW SITE (1133-107) (LAT 44 45 51N LONG 070 26 38W)

JAN 2005			MAR 2005		
17...	13	3.60	14...	34	9.80
FEB			21...	27	9.70
14...	19	5.80	29...	26	9.10
28...	19	6.50	APR		
MAR			04...	16	6.40
07...	23	7.00	11...	5.6	2.10
			18...	.00	.00

445022068043701 BEDDINGTON SNOW SITE (1117-131) (LAT 44 50 22N LONG 068 04 37W)

JAN 2005			MAR 2005		
18...	4.8	.85	15...	23	6.60
FEB			22...	15	5.00
15...	18	5.20	28...	15	5.20
28...	15	4.60	APR		
MAR			05...	8.6	2.80
09...	19	4.00	12...	.50	.20
			19...	.00	.00

QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)

445226069565301 NORTH ANSON SNOW SITE (1024-088) (LAT 44 52 26N LONG 069 56 53W)

JAN 2005			MAR 2005		
17...	9.6	3.40	14...	29	8.70
FEB			21...	23	8.60
14...	19	5.50	29...	22	8.20
28...	17	5.40	APR		
MAR			04...	14	5.70
07...	23	7.00	11...	.50	.20
			18...	.00	.00

445346068530301 KENDUSKEAG SNOW SITE (1099-040) (LAT 44 53 46N LONG 068 53 03W)

JAN 2005			MAR 2005		
18...	5.1	.70	15...	23	5.90
FEB			22...	18	4.80
15...	18	2.90	28...	16	5.40
28...	14	3.60	APR		
MAR			05...	7.6	2.60
09...	25	4.80	12...	.50	.20
			19...	.00	.00

445730069361501 HARMONY-ATHENS SNOW SITE (1159-161) (LAT 44 57 30N LONG 069 36 15W)

FEB 2005		
28...	17	4.30

445730070070801 KINGFIELD SNOW SITE (1187-159) (LAT 44 57 30N LONG 070 07 08W)

JAN 2005			MAR 2005		
17...	12	3.90	14...	30	9.30
FEB			21...	25	8.70
14...	19	5.70	29...	23	8.60
28...	20	6.60	APR		
MAR			04...	16	6.40
07...	23	6.90	11...	3.2	1.30
			18...	.00	.00

445833067384301 WESLEY SNOW SITE (1327-147) (LAT 44 58 33N LONG 067 38 43W)

JAN 2005			MAR 2005		
18...	7.0	1.40	15...	19	6.00
FEB			22...	11	3.90
15...	15	4.40	28...	11	4.30
28...	16	4.90	APR		
MAR			05...	.50	.20
09...	16	3.00	12...	.50	.20
			19...	.00	.00

445847069515101 SOLON (BINGHAM) SNOW SITE (1153-069) (LAT 44 58 47N LONG 069 51 51W)

JAN 2005			APR 2005		
17...	9.0	2.60	04...	14	5.70
FEB			12...	.00	.00
14...	18	4.00	19...	.00	.00
MAR					
07...	20	6.00			
15...	26	6.70			
21...	20	6.90			
28...	18	6.40			

450237069185901 DEXTER SNOW SITE (1165-077) (LAT 45 02 37N LONG 069 18 59W)

JAN 2005			MAR 2005		
18...	4.2	.90	15...	24	7.65
FEB			21...	22	6.70
14...	18	3.80	28...	16	6.10
MAR			APR		
02...	21	5.65	04...	9.3	3.40
07...	18	4.10	11...	.50	.20
			19...	.00	.00

450559069464501 MAYFIELD (BINGHAM UPPER) SNOW SITE (1066-068) (LAT 45 05 59N LONG 069 46 45W)

FEB 2005		
28...	20	5.20

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)

450634067194201 BARING SNOW SITE (1152-023) (LAT 45 06 34N LONG 067 19 42W)

JAN 2005			MAR 2005		
18...	9.7	2.20	15...	21	6.50
FEB			22...	17	6.10
15...	18	5.30	28...	15	5.90
28...	16	4.80	APR		
MAR			05...	5.8	1.80
09...	19	3.00	12...	.50	.20
			19...	.00	.00

450826069204101 DOVER-FOXCROFT (B) SNOW SITE (1020-034) (LAT 45 08 26N LONG 069 20 41W)

FEB 2005		
28...	17	4.40

451015069351701 KINGSBURY SNOW SITE (1195-041) (LAT 45 10 15N LONG 069 35 17W)

JAN 2005			MAR 2005		
18...	8.7	3.10	15...	30	8.30
FEB			21...	27	9.20
14...	20	4.90	28...	22	7.00
28...	20	4.80	APR		
MAR			04...	20	7.10
07...	22	6.80	12...	10	3.65
			19...	.00	.00

451138068281601 LOWELL SNOW SITE (1005-046) (LAT 45 11 38N LONG 068 28 16W)

MAR 2005		
02...	16	4.70

451500069135901 GREELEY''S LANDING (NWS) SNOW SITE (1492-000) (LAT 45 15 00N LONG 069 13 59W)

JAN 2005			MAR 2005		
18...	8.0	1.80	14...	32	8.00
FEB			21...	26	7.10
15...	23	4.40	28...	22	6.50
28...	19	4.20	APR		
MAR			04...	15	5.30
07...	21	4.92	12...	8.7	2.60
			18...	5.0	1.80

451700069005501 MILO SNOW SITE (1006-052) (LAT 45 17 00N LONG 069 00 55W)

JAN 2005			APR 2005		
18...	8.5	2.10	04...	12	4.90
FEB			12...	4.3	1.30
14...	18	4.60	19...	.00	.00
MAR					
02...	20	5.05			
15...	26	7.65			
21...	22	7.60			
28...	21	7.30			

451829069073001 BARNARD PLT. (NWS) SNOW SITE (1384-061) (LAT 45 18 29N LONG 069 07 30W)

MAR 2005			APR 2005		
02...	22	4.81	05...	8.4	3.50
08...	19	5.27			
15...	28	7.48			
22...	21	7.10			
29...	16	6.04			

451955069324701 MONSON SNOW SITE (1190-053) (LAT 45 19 55N LONG 069 32 47W)

FEB 2005		
28...	20	4.90

452038069565501 THE FORKS SNOW SITE (1002-094) (LAT 45 20 38N LONG 069 56 55W)

JAN 2005			MAR 2005		
18...	10	2.50	15...	27	6.90
FEB			21...	24	7.30
14...	20	4.60	28...	22	6.20
28...	15	3.80	APR		
MAR			04...	17	5.70
07...	22	5.20	12...	9.3	3.45
			19...	.00	.00

QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)

452249068265801 LINCOLN SNOW SITE (1132-045) (LAT 45 22 49N LONG 068 26 58W)

JAN 2005			MAR 2005		
18...	5.2	1.65	15...	28	6.40
FEB			22...	12	3.80
15...	13	3.30	28...	17	6.40
MAR			APR		
02...	15	3.90	05...	7.3	2.40
09...	19	3.50	12...	.50	.20
			19...	.00	.00

452435067581401 CARROL-KOSSUTH SNOW SITE (1075-028) (LAT 45 24 35N LONG 067 58 14W)

MAR 2005		
02...	21	5.00

452623067442901 TOPSFIELD SNOW SITE (1154-025) (LAT 45 26 23N LONG 067 44 29W)

JAN 2005			MAR 2005		
18...	4.6	.80	15...	23	5.80
FEB			22...	12	3.80
15...	16	4.50	28...	16	5.00
MAR			APR		
02...	19	5.05	05...	3.0	.90
09...	20	3.90	12...	2.3	.60
			19...	.00	.00

453559068265901 MATTASEUNK SNOW SITE (1201-047) (LAT 45 35 59N LONG 068 26 59W)

MAR 2005		
02...	20	5.05

453900067491001 DANFORTH SNOW SITE (1331-036) (LAT 45 39 00N LONG 067 49 10W)

MAR 2005		
02...	17	3.95

454346068351301 GRINDSTONE SNOW SITE (1004-038) (LAT 45 43 46N LONG 068 35 13W)

MAR 2005		
02...	18	4.65

455656067593201 HOULTON (B) SNOW SITE (1208-011) (LAT 45 56 56N LONG 067 59 32W)

MAR 2005			APR 2005		
02...	12	2.90	12...	19	4.80

460259068133001 DYER BROOK SNOW SITE (1110-035) (LAT 46 02 59N LONG 068 13 30W)

JAN 2005			MAR 2005		
18...	7.8	1.78	15...	27	6.60
FEB			21...	21	6.12
15...	18	4.54	28...	19	7.10
28...	16	3.85	APR		
MAR			05...	13	4.71
07...	20	4.63	19...	.00	.00

461013069122901 CHAMBERLAIN BRIDGE (NWS) SNOW SITE (1522-000) (LAT 46 10 13N LONG 069 12 29W)

MAR 2005			APR 2005		
01...	30	4.10	05...	19	7.18
08...	28	6.70	12...	16	5.61
15...	38	6.33	19...	8.8	3.10
22...	30	8.34			
29...	28	8.01			

461948067502301 MONTICELLO SNOW SITE (1500-000) (LAT 46 19 48N LONG 067 50 23W)

JAN 2005			MAR 2005		
18...	7.4	1.38	07...	22	5.31
FEB			15...	28	8.70
15...	20	5.20	21...	23	7.92
28...	19	5.17	28...	21	6.82
			APR		
			19...	.00	.00

462153068205801 KNOWLES CORNER SNOW SITE (1080-012) (LAT 46 21 53N LONG 068 20 58W)

JAN 2005		
18...	12	2.52

QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)

462933069171101 CHURCHILL DAM (NWS) SNOW SITE (1521-000) (LAT 46 29 33N LONG 069 17 11W)

MAR 2005			APR 2005		
01...	30	5.51	05...	20	7.70
15...	38	8.50	19...	11	3.50
22...	33	8.46			
29...	30	9.10			

463300068191201 Squa Pan (E) Snow site (1544) (LAT 46 33 00N LONG 068 19 12W)

FEB 2005			MAR 2005		
15...	18	4.10	21...	27	8.00
15...	18	4.10	28...	24	8.30
28...	14	4.70	28...	24	8.30
28...	14	4.70	APR		
MAR			12...	8.8	3.61
15...	29	8.00	12...	8.8	3.61
15...	29	8.00	19...	4.2	2.10
21...	27	8.00	19...	4.2	2.10

463600070000001 DAAQUAM (B) (US) SNOW SITE (1426-134) (LAT 46 36 00N LONG 070 00 00W)

JAN 2005			MAR 2005		
18...	18	2.50	15...	33	6.90
FEB			APR		
14...	19	3.80	11...	15	4.50

463613069310901 CLAYTON LAKE SNOW SITE (1206-003) (LAT 46 36 13N LONG 069 31 09W)

JAN 2005			MAR 2005		
18...	14	2.30	07...	30	5.70
FEB			15...	40	8.30
14...	19	3.20	29...	28	9.30
28...	21	4.40	APR		
			05...	25	8.70
			19...	9.8	3.00

463619069081201 MUSQUACOOK SNOW SITE (1297-133) (LAT 46 36 19N LONG 069 08 12W)

JAN 2005			APR 2005		
18...	14	2.45	05...	26	8.50
FEB			12...	21	6.30
14...	22	3.60	19...	10	3.00
28...	21	4.70			
MAR					
07...	29	5.90			
15...	40	9.00			
29...	33	8.90			

464051068450201 MACHIAS LAKE SNOW SITE (1064-132) (LAT 46 40 51N LONG 068 45 02W)

JAN 2005			APR 2005		
18...	16	2.30	05...	25	8.60
FEB			12...	18	5.40
14...	22	4.60	19...	13	4.40
28...	22	4.30			
MAR					
07...	30	6.30			
15...	44	8.70			
29...	32	9.70			

464829068294401 PORTGAGE AT HATHAWAY ROAD SNOW SITE (1545-000) (LAT 46 48 29N LONG 068 29 44W)

JAN 2005			MAR 2005		
18...	8.7	2.20	15...	33	7.90
FEB			22...	30	8.10
15...	22	6.10	28...	25	8.20
28...	18	5.10	APR		
MAR			05...	18	6.60
07...	22	5.40	12...	14	5.30
			19...	5.0	2.80

465232068000601 CARIBOU (B) (MEDICAL CENTER) SNOW SITE (1520-000 (LAT 46 52 32N LONG 068 00 06W)

JAN 2005			MAR 2005		
18...	12	3.15	15...	28	7.88
FEB			22...	29	9.15
15...	20	5.35	28...	26	8.86
MAR			APR		
02...	24	5.78	05...	16	6.51
08...	27	7.23	11...	8.0	2.50
			19...	.00	.00

QUANTITY OF SNOW

DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)	DATE	SNOW DEPTH INCHES	WATER CONTENT (IN)
465350068305901 WINTERVILLE SNOW SITE (1090-021) (LAT 46 53 50N LONG 068 30 59W)					
FEB 2005			APR 2005		
15...	24	5.65	05...	32	11.11
MAR			11...	29	9.92
02...	34	6.85	18...	23	7.64
07...	34	7.23			
14...	43	10.26			
22...	45	12.20			
28...	41	12.20			
465451069423401 SEVEN ISLANDS (CHARLIE POND) SNOW SITE (1266-136 (LAT 46 54 51N LONG 069 42 34W)					
JAN 2005			MAR 2005		
18...	12	4.30	08...	23	7.30
FEB			15...	32	9.70
15...	17	6.80	29...	22	9.50
MAR			APR		
01...	18	6.60	12...	15	6.70
			19...	9.4	4.80
470432069041501 ALLAGASH SNOW SITE (1038-001) (LAT 47 04 32N LONG 069 04 15W)					
JAN 2005			MAR 2005		
18...	14	4.80	15...	40	9.00
FEB			22...	34	8.60
15...	25	6.40	29...	32	8.30
MAR			APR		
01...	23	5.30	05...	25	6.90
09...	42	9.40	12...	22	7.40
			19...	11	4.00
470501068135301 GUERETTE SNOW SITE (1061-135) (LAT 47 05 01N LONG 068 13 53W)					
JAN 2005			MAR 2005		
18...	16	4.06	14...	39	9.88
FEB			22...	41	11.10
15...	23	5.91	28...	38	10.80
MAR			APR		
02...	30	7.14	05...	28	10.00
07...	32	7.50	11...	24	7.64
			18...	21	7.28
471412068345201 FORT KENT SNOW SITE (1022-008) (LAT 47 14 12N LONG 068 34 52W)					
JAN 2005			MAR 2005		
18...	20	4.17	14...	46	10.40
FEB			22...	44	11.00
15...	26	5.39	28...	39	10.40
MAR			APR		
02...	35	6.71	05...	28	9.31
07...	34	7.30	11...	26	8.28
			18...	20	5.52



Flowing ice
Kennebec River in Hallowell
April 2005

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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 per 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:

°F = (1.8 x °C) + 32

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