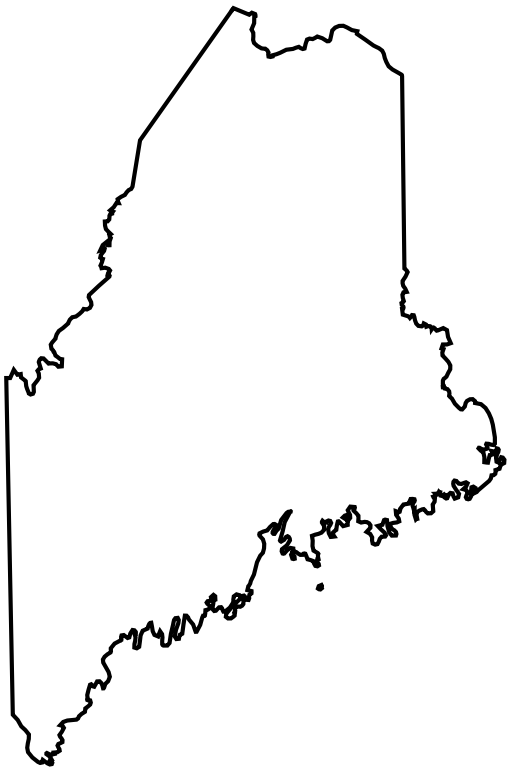
U.S. Department of the Interior
U.S. Geological Survey

Water Resources Data
Maine
Water Year 2001

By G.J. Stewart, J.P. Nielsen, J.M. Caldwell, and A.R. Cloutier

Water-Data Report ME-01-1



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

CALENDAR FOR WATER YEAR 2001

2000

OCTOBER

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2001

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SEPTEMBER

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30						

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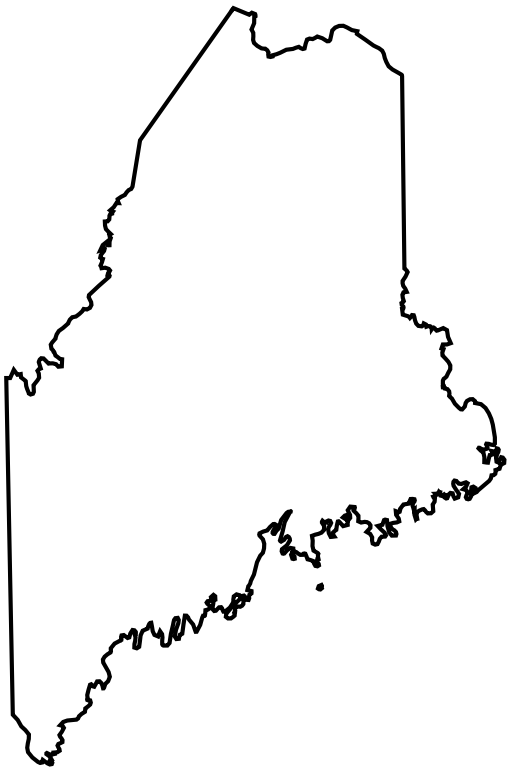

Prepared in cooperation with the
State of Maine and with other agencies

U.S. DEPARTMENT OF THE INTERIOR
Gale Norton, Secretary

U.S. GEOLOGICAL SURVEY
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For additional information write to
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Augusta, ME 04330

2002

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	Sarah E. Giffen
Laura E. Flight	Timothy C. Sargent

Gloria L. Morrill prepared the illustrations for the report.

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

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The Water Resources Division 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 2001 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: 5 gage-height stations, 58 discharge gaging stations, stream water-quality data for 3 stations, water levels for 17 ground-water wells, water-quality data for 1 ground-water well, precipitation quantity data for 12 stations, and snow quantity data for 82 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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SURFACE-WATER AND WATER-QUALITY STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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

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

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

[Letters after station name designate type of data collected:(l) water level, (c) chemical, (e) minor element, (n) nutrient, (m) continuous water-quality monitor]

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			
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
Kennebec River near Waterville, ME (d)	01049205	5,179	1993-2000
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
Nezinscot River at Turner Center, ME (d)	01055500	169	1941-1996
Pennesseewassee Lake Outlet at Norway, ME (d)	01057510	[a]30.3	1982-1983

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

[a] Station not included in last systematic recomputation of drainage areas in Maine. Drainage area may conflict with other published information.
[b] Revisions to the maximum discharges for some periods at this site have been published in WDR ME-97-1.
[c] Station formerly published as Cold Brook near Northern Maine Junction, Maine

DISCONTINUED SURFACE-WATER QUALITY STATIONS

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

Discontinued continuous-recording surface-water quality monitor stations

Station Name	Station Number	Drainage Area (mi^2)	Type of Record	Period of Record (water year)
St. John River basin				
St. John River at Ninemile Bridge, ME	01010000	1,341	sc,wt	1976-80
St. John River at Dickey, ME	01010500	2,680	sc,wt	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
444950068220602	HW 1A	"	Amherst	Glacial Till	1989-2000
441440068182701	HW 137	"	Southwest Harbor	Bedrock	1981-2000
442023069553801	KW 88	Kennebec	East Winthrop	Bedrock	1967-1983
441533069452401	KW 881	"	Augusta	Glacial Till	1987-2000
442233069490701	KW 882	"	Augusta	Glacial sand and gravel	1989-2000
444637070552301	OW 400	Oxford	Middle Dam	Glacial till	1944-1992
441507070310201	OW 413	"	South Paris	Outwash	1976-1978
440642070583401	OW 615	"	Fryeburg	Outwash	1978-1991
440642070583402	OW 615A	"	Fryeburg	Outwash	1989-2000
442515070481001	OW 616	"	Bethel	Outwash	1978-1989
442515070481002	OW 616A	"	Bethel	Outwash	1989-2000
444720068523001	PEW 33	Penobscot	Hermon	Bedrock	1958-1960
444953068424701	PEW 401	"	Veazie	Ice-contact deposits	1963-1967
451047068512201	PEW 455	"	Lagrange	Glacial till	1975-1983
451955068344501	PEW 457	"	South Lincoln	Ice-contact deposits	1982-1989
452829069322101	PIW 2	"	Greenville Junction	Glacial Till	1988-2000

DISCONTINUED GROUND-WATER OBSERVATION WELLS--Continued

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

DISCONTINUED PRECIPITATION STATIONS

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

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

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources of Maine each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Maine." This report series includes records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; water levels and water quality of ground-water wells; precipitation quantity; and snow quantity. This volume contains records for water discharge at 58 gaging stations, gage-height at 5 gaging stations, water quality data at 3 gaging stations, water levels at 17 observation wells, precipitation totals for 12 sites, and snow quantity for 82 sites. Locations of these sites are shown on figures 1, 2, 3, and 4. Also included are data from 64 low-flow partial-record stations. 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-01-1." These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

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

Data published in these water-data reports 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:

Atlantic Salmon Commission
L. Perry, Chair
Lake Auburn Watershed Protection Commission
N. Lamie, General Manager, Auburn Water District
R.Burnham, Supervisor, Lewiston Water Division
Maine Department of Conservation,
R. Lovaglio, Commissioner
Maine Department of Defense, Veterans and Emergency Management,
J. E. Tinkham II, Commissioner
Maine Department of Transportation,
J.G. Melrose, Commissioner
Piscataquis County
E. DeWitt, Chair, County Commissioners
Town of Jay,
R.Marden, Town Manager
Town of Windham,
A.Plante, Town Manager
Town of Yarmouth
N. Tupper, Town Manager
University of Maine,
P. Hoff, President

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

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

Mead Publishing Paper
Consolidated Hydro Maine
FPL Energy - Maine
Domtar Incorporated
Kennebec Water Power Company
Penobscot Hydro
SAPPI Fine Paper

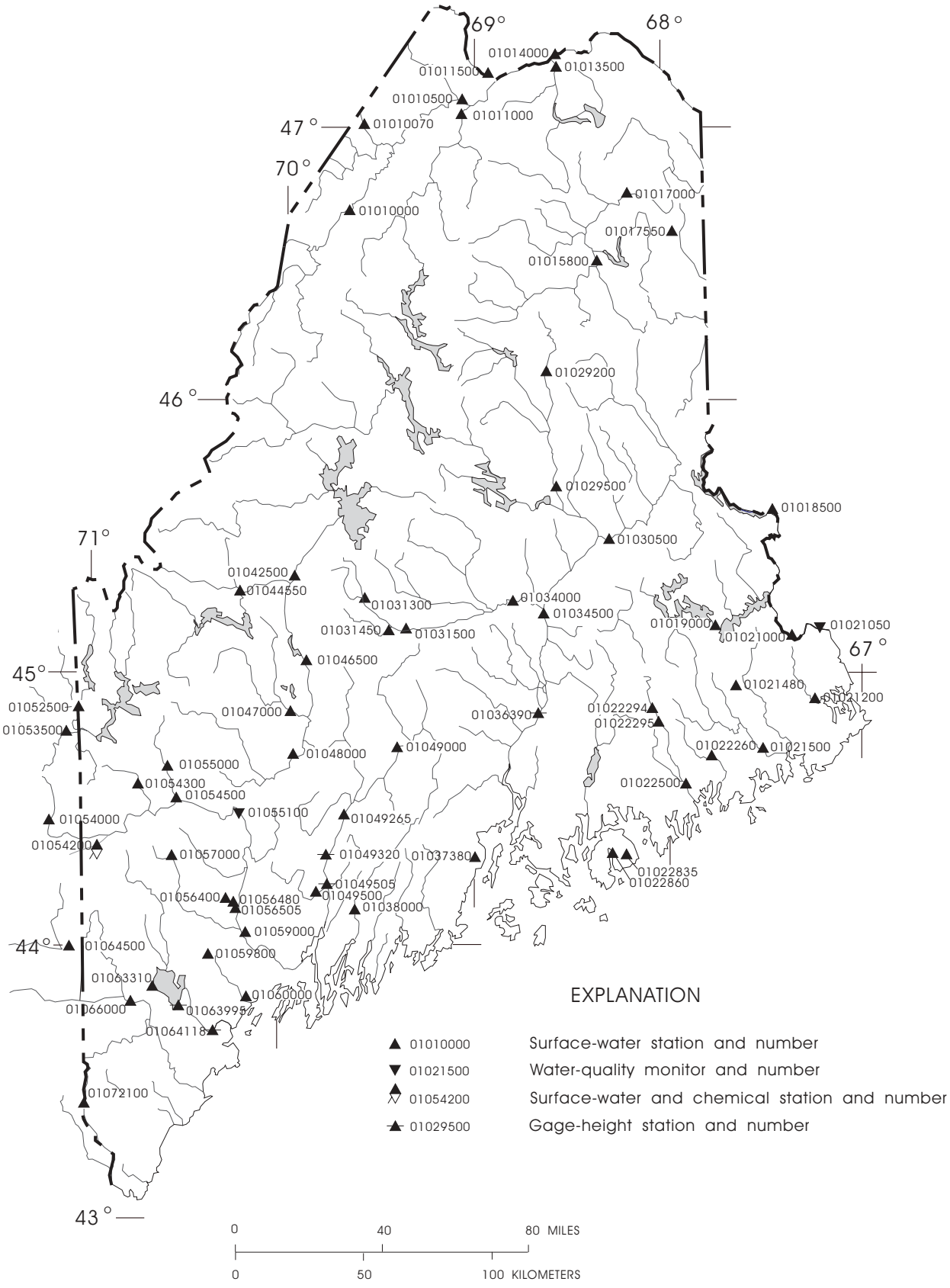

Figure 1.--Location of active surface-water and water-quality gaging stations.

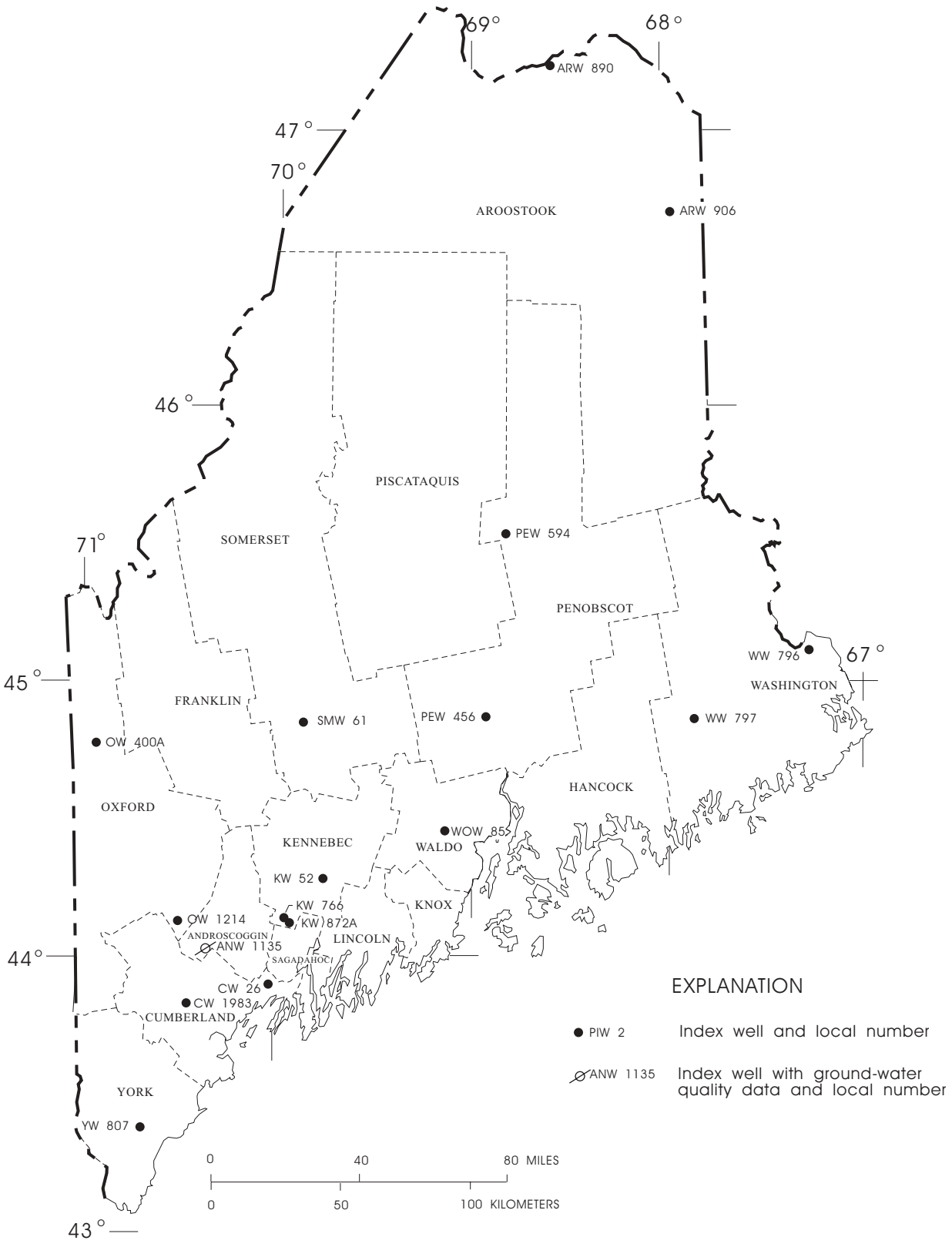

Figure 2.--Location of active ground-water data collection stations.

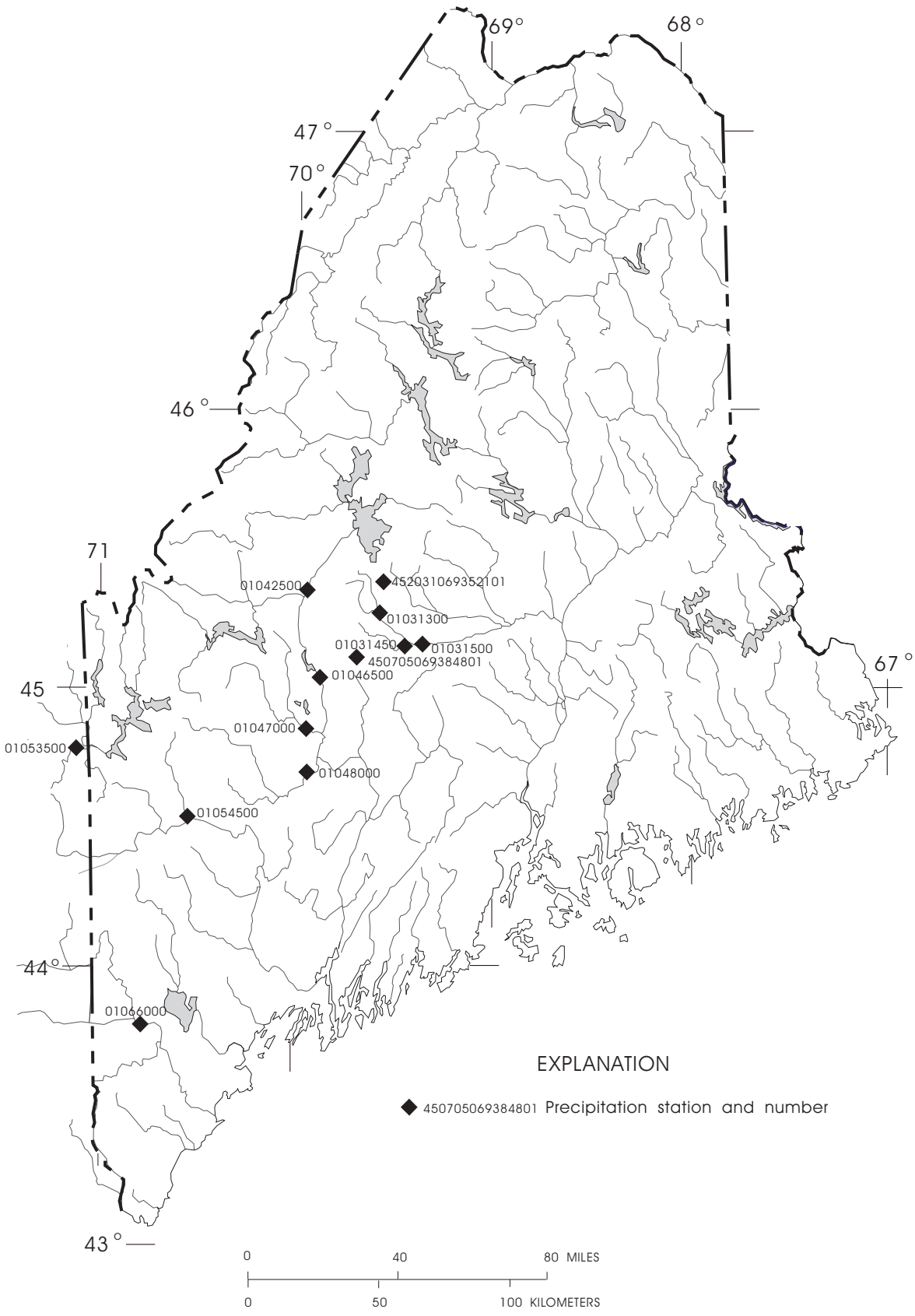

Figure 3.--Location of active precipitation quantity stations.

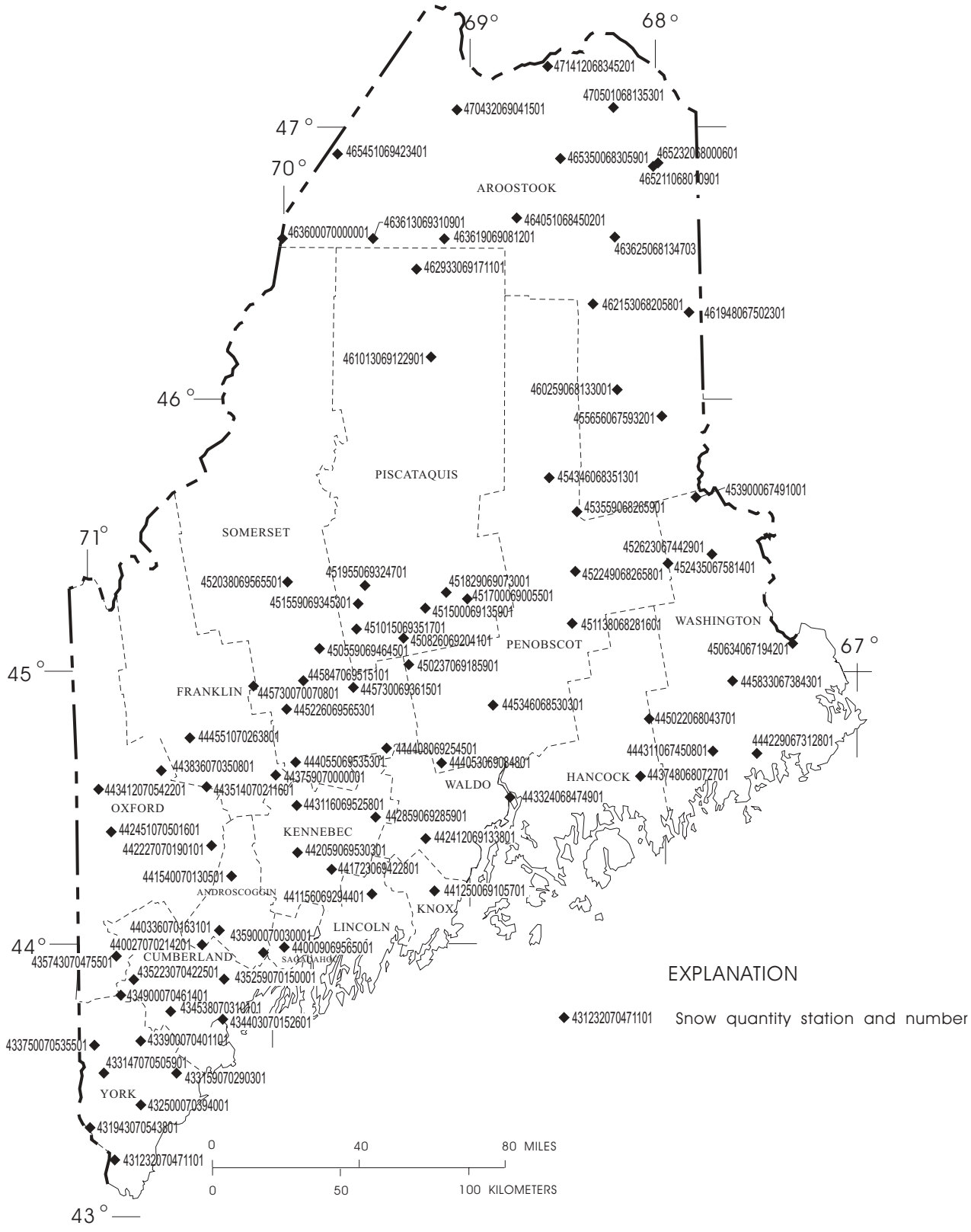

Figure 4.--Location of active snow quantity stations.

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 2001 water year was characterized by flows in the below normal range to the lower part of the normal range throughout Maine (above normal refers to the upper 25 percent of the record, below normal refers to the lower 25 percent of the record, and normal refers to the middle 50 percent of the record). Annual runoff was in the below normal range at 32 of 35 sites and normal range at 3 sites. The 2001 monthly and annual mean discharges and the median monthly and annual discharges for the 1961-90 reference period are shown in figure 6 for three long-term index stations. Monthly runoff conditions for Maine are summarized in figure 7. These maps show the area of normal, above-normal, and below-normal runoff for each month and are based on records for many of the streamflow gaging stations contained in this report. Additional statistics for each gaging station are provided with the tables of daily mean discharge.

Floods and Droughts

Significant, wide-spread flooding did not occur during the 2001 water year in Maine. Annual peak flows had less than a 2-year recurrence interval at 14 sites, a 2- year to 5-year recurrence interval at 19 sites, a 5-year to 10-year recurrence interval at 1 sites, and a 10-year to 25-year recurrence interval at 2 sites. The greatest recurrence interval peak flows were in the upper Androscoggin River basin and were associated with a rain event in late April.

Minimum flows at most sites occurred in mid to late September. Minimum flows at 24 sites were at flows which have been equaled or exceeded over 99 percent of the time, minimum flows at 5 sites were at flows which have been equaled or exceeded 98 to 99 percent of the time, minimum flows at 3 sites were at flows which have been equaled or exceeded 95 to 97 percent of the time, and minimum flows at 5 sites were at flows which have been equalled or exceeded 87 to 94 percent of the time.

Significant, state wide low flows occurred during the summer and early fall, of the 2001 water year. Twenty sites with more then 20 years of record that are not effected by regulation were analyzed for the low flow recurrence interval of the 1-day low flow. The 1-day low-flow recurrence interval is the average time interval between daily flows equal or less than a given flow. All of Maine experienced a 20-50 year 1-day low-flow recurrence interval, except a band through central Maine and extreme northern Maine, which experienced a 5-20 year 1-day low-flow recurrence interval (Figure 5).

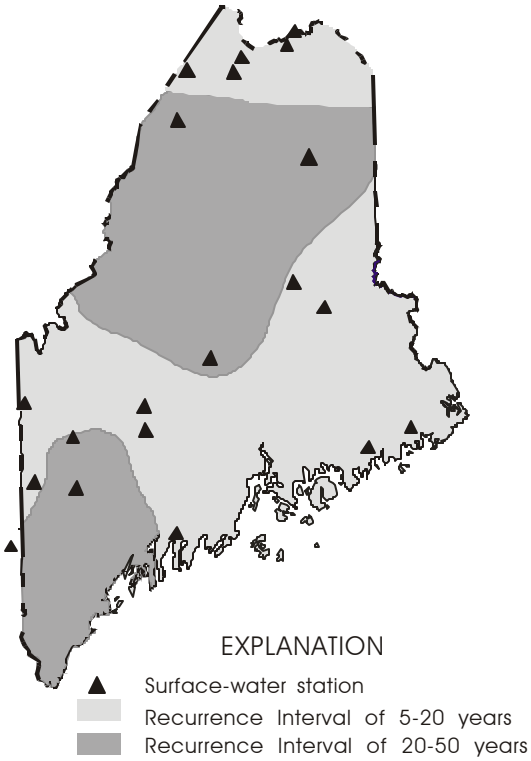

Figure 5.--One-Day low-flow recurrence interval and site location.

Reservoir Storage

Usable surface-water storage in five reservoir systems representing the St. Croix, Penobscot, Kennebec, Androscoggin, and Presumpscot River basins in Maine, as reported by river basin managers, totaled 91.509 billion cubic feet (ft^3) at the beginning of the water year; this volume is 54 percent of capacity and is below the long-term average storage for the beginning of the water year (table 1). The minimum month-end storage during water year 2001 occurred at the end of March when storage was 45.350 billion ft^3. The maximum month-end storage during water year 2001 occurred at the end of May, when storage was 131.776 billion ft^3. Usable storage at the end of the water year was 82.846 billion ft^3 (49 percent of capacity and below the long-term average)

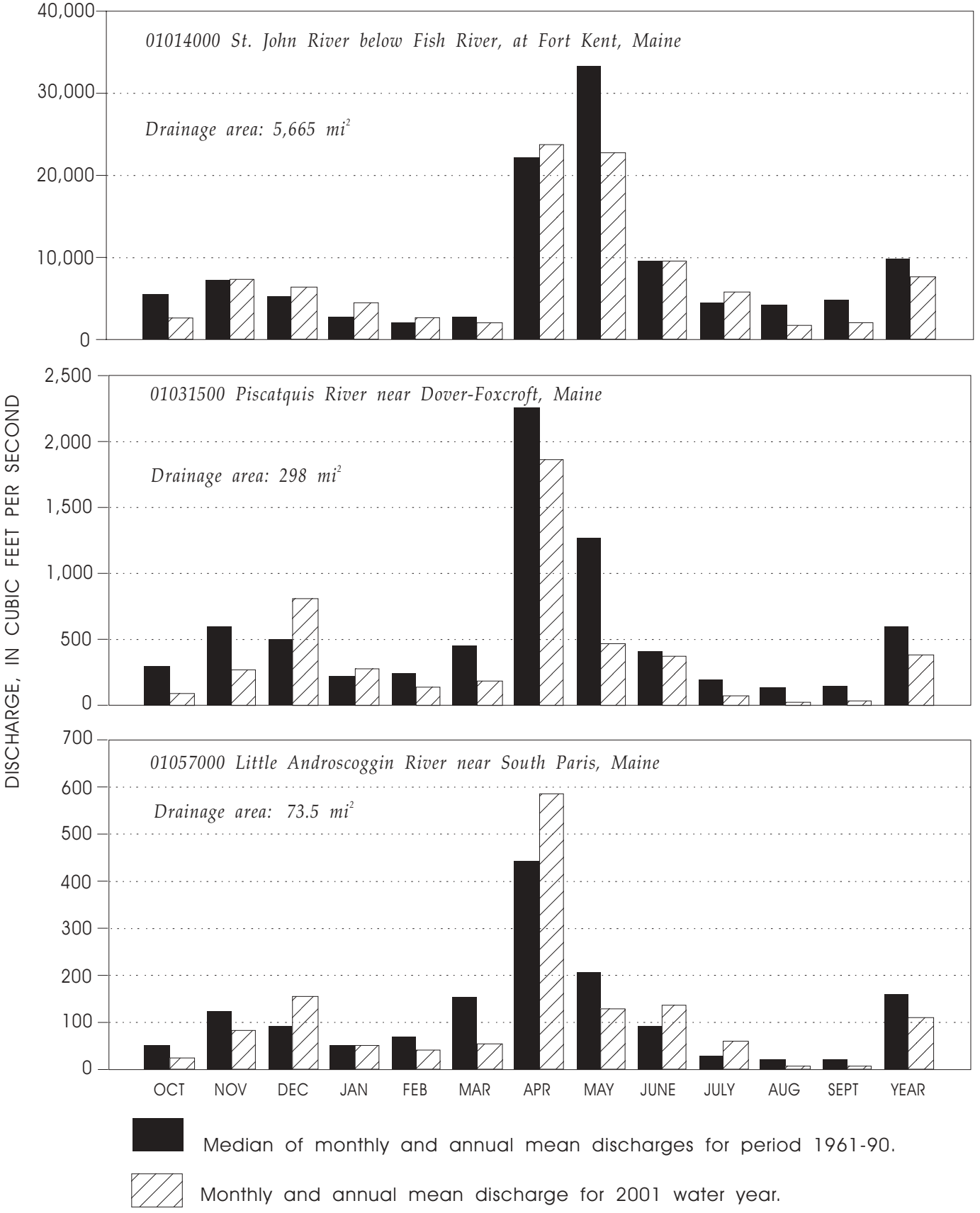

Figure 6.--Comparison of mean discharge at three long-term index gaging stations during 2001 water year with median discharge for period 1961-90.

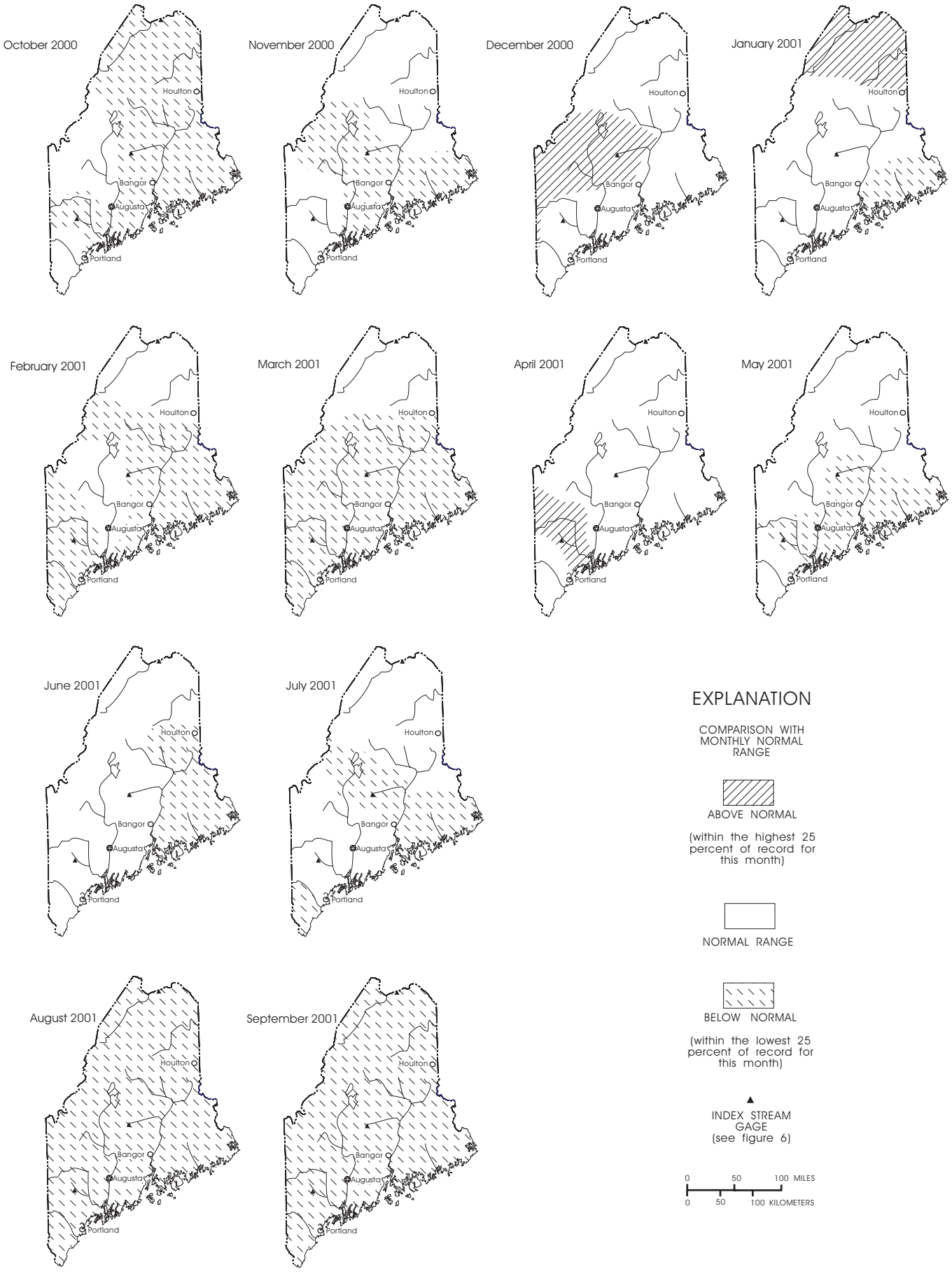

Figure 7.--Monthly surface-water conditions during the 2001 water year in Maine.

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Table 1. Total usable storage in five Maine reservoir systems for the 2001 water year, expressed as percent of total capacity of 168.075 billion cubic feet

Month	Storage at month end (percent)	Long-term average (percent)
September	54	61
October	47	57
November	49	60
December	53	60
January	45	52
February	36	44
March	27	40
April	60	72
May	78	90
June	77	87
July	72	79
August	59	69
September	49	61

Water Quality

Two continuous recording monitoring stations for specific conductance, dissolved oxygen, water temperature and (at one monitor) pH were operated in water-year 2001. The water-quality monitor at Jay, in the Adroscoggin River Basin, recorded a new maximum water temperature value. All other readings were within the previous extreme values for the period of daily record at these two sites.

One surface-water sample was collected at the Hydrologic Bench-mark station (Wild River at Gilead) in 2001. All values of the constituents analyzed were within the historical extremes for this site.

Two water samples were collected at a newly drilled bedrock well in Poland, Maine. This well will be one of six bedrock wells chosen to provide a network of permanent, long-term ground-water-quality sites in cooperation with the Maine Geological Survey. National Water-Quality Assessment (NAWQA) collected ground-water samples at 10 selected wells.

Ground-Water Levels

The ground-water observation well network consisted of 17 wells during the 2001 water year. Month-end ground-water level conditions for Maine are summarized in figure 8.

Record ground-water levels were recorded during the water year at the following wells where data have been collected for at least 10 years. The all-time record high of 0.00, at WW 796 was tied in April. New all-time record lows were recorded at KW 872A in September, WOW 85 in September, WW 796 in September, and WW 797 in September.

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.

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 82 of these sites collected by the U.S. Geological Survey and cooperative observers. Additional information, including state snow maps and data can be obtained from the USGS Augusta office.

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.

Assessment activities are being conducted in 53 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nations water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the 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.

Additional information about the NAWQA Program is available through the world wide web at:

http://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html

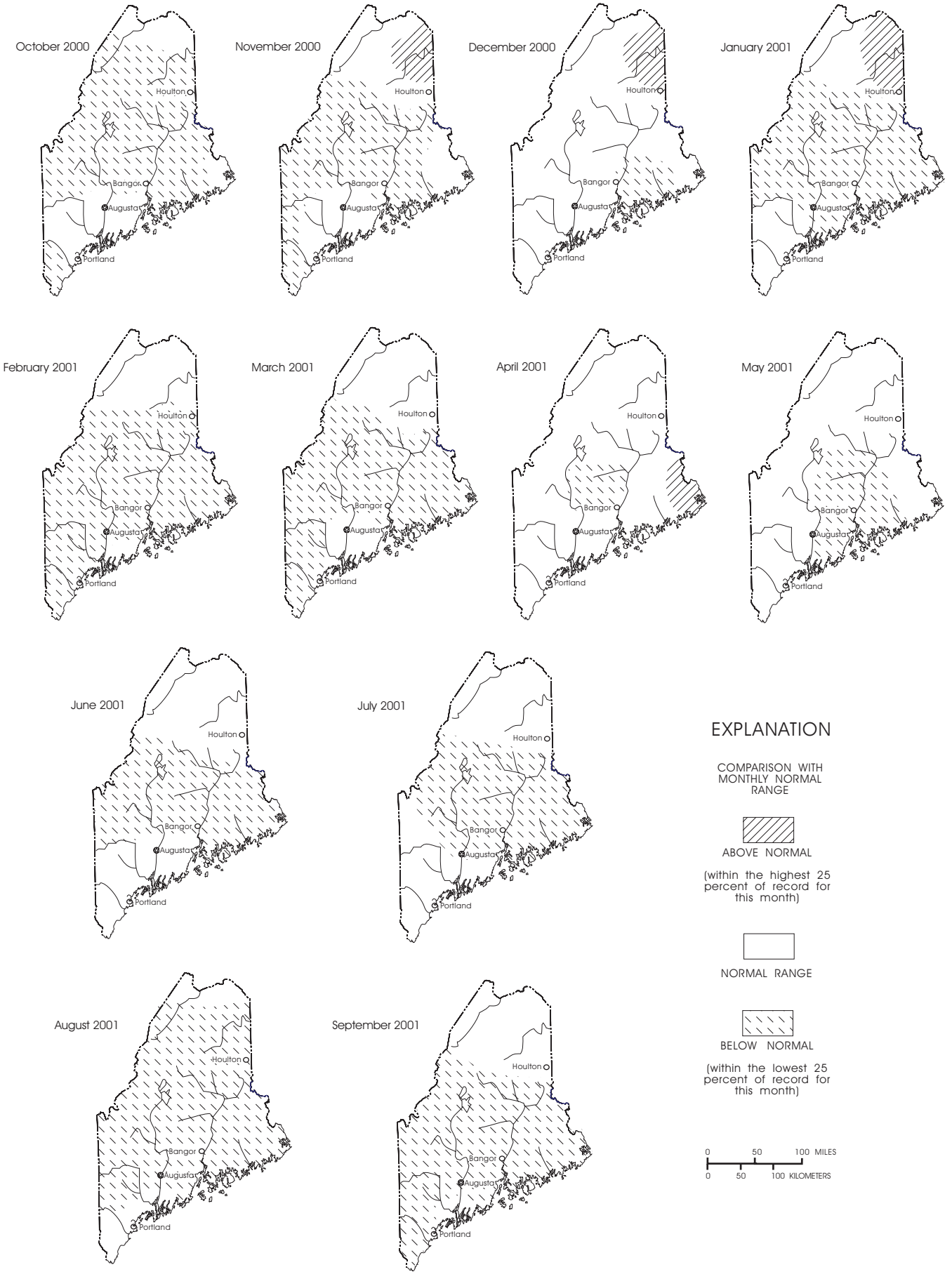


Figure 8.--Month-end ground-water conditions during the 2001 water year in Maine.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 2001 water year that began October 1, 2000, and ended September 30, 2001. 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, or precipitation station, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water and co-located precipitation stations and the "latitude-longitude" system is used for wells and precipitation stations which are not located at surface-water stations.

Downstream Order System

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

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

Latitude-Longitude System

The identification numbers for wells, snow sampling, and precipitation stations which are not located at surface-water stations are assigned according to the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells or other sites within a 1-second grid. 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 9.)

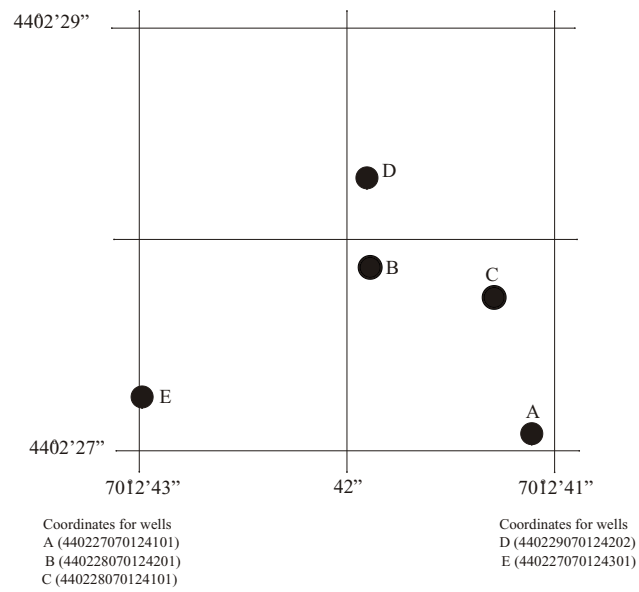


Figure 9.--System for numbering wells and special study sites (latitude and longitude).

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, 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 graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

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

EXTREMES FOR CURRENT YEAR.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and greater than a selected base discharge are presented under this heading. The peaks greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

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

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

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

Data table of daily mean values

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

Statistics of monthly mean data

A tabular summary of the mean (line headed "MEAN"), maximum (line headed "MAX"), and minimum (line headed "MIN") of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those figures. The designated period will be expressed as "FOR WATER YEARS _____- _____, BY WATER YEAR (WY)," and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. It will consist of all of the station record within the specified water years, inclusive, including complete months of record for partial water years, if any, and may coincide with the period of record for the station. The water years for which the statistics are computed will be consecutive, unless a break in the station record is indicated in the manuscript.

Summary statistics

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Hydrograph

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

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for values less than 1 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 Maine District Office. Also, most of the daily mean discharges are in computer readable form and have been analyzed statistically. Information on the availability of the unpublished information or on the results of statistical analyses of the published records may be obtained from the Maine District Office.

Records of Surface-Water Quality

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

Classification of records

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

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

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream-order sequence. Water-quality data for special study sampling sites appear in separate tables following the table of discharge measurements at special study sites.

On-Site Measurements and Sample Collection

In obtaining water-quality data, a major concern is to assure that the data obtained represent the in-situ quality of the water. To do this, certain measurements, such as water temperature, pH, alkalinity, dissolved oxygen, and specific conductance need to be made on-site when the samples are taken. To assure that measurements made in the laboratory also represent the in-situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory.

Procedures for on-site measurements and for collecting, treating, and shipping samples are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS section of this report.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load. Whether samples are obtained from the centroid of flow or from several verticals depends on flow conditions and other factors which must be evaluated by the collector.

Water-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis.

For stations equipped with continuous water-quality monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly observations. More detailed records (hourly values) may be obtained from the Maine District Office, whose address is given on the back of the title page of this report.

Water temperature

Water temperatures are measured at all water-quality stations. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges. At stations where recording instruments are used,

both mean, maximum, and minimum temperatures for each day are published.

Laboratory Measurements

Samples are analyzed locally for specific conductance, dissolved oxygen, pH, and temperature. All other samples were analyzed in the 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

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, WATSTORE, 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 2.

Table 2. Rating continuous water-quality records.

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

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

Remark Codes

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

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.*

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

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

Data Presentation

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

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

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

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

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

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on) and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) National Geodetic Vertical Datum of 1929 (NGVD of 1929); it is reported with a precision depending on the method of determination.

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

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

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

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

A table of water levels follows the station description for each well. Water levels are reported in feet below land-surface datum. Direct measurements obtained with steel tape are listed. For wells equipped with recorders, tables of daily-mean water levels are published. The highest and lowest water levels of the water year and their dates of occurrence are shown on a line below the daily-mean table. Because all

values are not published for wells with recorders (hourly values are not published but are available in the files of the Geological Survey) the extremes may be values that are not listed in the table. Missing records are indicated by dashes in place of the water level.

A hydrograph of water levels observed during the past decade follows the table of water levels for each well. The water levels presented are referenced to both the land-surface datum at the site and to the NGVD of 1929. Because all values are not used to produce the hyrographs, 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 a newly drilled bedrock well in Poland, Maine. This well will be one of six bedrock wells chosen to provide a network of permanent, long-term ground-water-quality sites in cooperation with the Maine Geological Survey. Samples were analyzed at the Geological Survey laboratory in Lakewood, Colorado for major ions, nutrients and arsenic.

Water samples were collected from domestic bedrock wells and public-supply gravel-packed wells as part of the NAWQA program. Only one sample was collected from each well. These samples were analyzed for major ions, nutrients, trace elements, radon gas, radionuclides, 48 pesticide compounds, and 86 volatile organic compounds (VOCs).

Classification of records

Classification of ground-water quality records are arranged as described in "Records of Surface-Water Quality", located on page 15.

Arrangement of Records

Water-quality records collected at a ground-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a ground-water daily record station is not available or where the water quality differs significantly from that at the nearby ground-water station, the continuing water-quality record is published with its own station number and name in the regular county order sequence. Water-quality data for special study sampling sites appear in separate tables following the continuous ground water records.

On-Site Measurements and Sample Collection

NAWQA sampling protocols were followed to obtain and evaluate accurate water-quality data (Koterba and others, 1995)[1]. At the new bedrock well in Poland samples were analyzed locally (in the field) for alkalinity, specific conductance, dissolved oxygen, pH, and temperature. A submersible pump was used to collect the samples.

1. Koterba, M.T., Wilde, F.D., and Lapham, W.W., 1995, Ground-water data-collection protocols and procedures for the National Water-Quality Assessment Program-Collection and documentation of water quality samples and related data: U.S. Geological Survey Open-File Report 95-399, 113 p.

The NAWQA program collected untreated water samples from domestic bedrock wells using a sample line connected to the faucet that is at the base of the pressure tank from inside the home. Untreated water samples were collected from public-supply gravel-packed wells using a sample line connected to a faucet either at the well head (where available) or at a nearby pumphouse. Samples were analyzed locally (in the field) for alkalinity, specific conductance, dissolved oxygen, pH, temperature, ferrous iron, and sulfide.

Laboratory Measurements

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

Analyses of pesticides in ground-water samples (schedule 2001)

Selected ground-water samples from the New England Coastal Basins National Water-Quality Assessment Program (NECB NAWQA) were analyzed for pesticides on schedule 2001 during the 2001 water year. This table lists the pesticides on the schedule, the unit of measure (micrograms per liter, µg/L), the U.S. Geological Survey National Water Information System parameter code, the Union of Pure and Applied Chemistry (IUPAC) compound name, and the reporting level. Only pesticides measured at or above the minimum reporting level for one or more samples are listed in the water-quality tables.

SCHEDULE DESCRIPTION.--Pesticides in filtered water extracted on C-18 Solid Phase Extraction (SPE) cartridge and analyzed by Gas Chromatography/Mass Spectrometry (GC/MS).

SAMPLE REQUIREMENTS.--1 liter of water filtered through 0.7-micron glass-fiber depth filter, chilled at 4° C (packed in ice).

CONTAINER REQUIREMENTS.--1 liter baked amber glass bottle (GCC) from NWQL.

PCODE.--The EPA/USGS parameter code.

COMPOUND NAME.--IUPAC nomenclature.

COMMON NAME.--Common or trade name(s) for constituent

LRL.--Laboratory reporting level.

PCode	Compound name (Common name)	LRL (µg/L)
82660	2,6-Diethylaniline	0.002
49260	Acetochlor (Harness Plus, Surpass)	0.004
46342	Alachlor (Lasso, Bullet)	0.002
39632	Atrazine (Atrex, Atred)	0.007
04040	Atrazine, Deethyl- (Metabolite of Atrazine)	0.006
82686	Azinphos, Methyl- (Guthion, Gusathion)	0.050
82673	Benfluralin (Benefin, Balan)	0.010
04028	Butylate (Genate Plus, Suntan+)	0.002
82680	Carbaryl (Sevin, Denapan)	0.041

PCode	Compound name (Common name)	LRL (µg/L)
82674	Carbofuran (Furandan, Curaterr)	0.020
38933	Chlorpyrifos (Brodan, Dursban)	0.005
04041	Cyanazine (Bledex, Fortrol)	0.018
82682	DCPA (Dacthal, Chlorthal-dimethyl)	0.003
34653	DDE, p,p′	0.003
39572	Diazinon (Basudin, Diazatol)	0.005
39381	Dieldrin (Panoram D-31, Octalox)	0.005
82660	Diethylanaline (Metabolite of Alachlor)	0.002
82677	Disulfoton (Disyston, Frumin AL)	0.021
82668	EPTC (Eptam, Farmarox)	0.002
82663	Ethalfluralin (Sonalan, Curbit)	0.009
82672	Ethoprop (Mocap, Ethoprophos)	0.005
04095	Fonofos (Dyfonate, Capfos)	0.003
34253	HCH,alpha- (alpha-BHC, alpha-lindane)	0.005
39341	HCH,gamma- (Lindane, gamma-BHC)	0.004
82666	Linuron (Lorex, Linex)	0.035
39532	Malathion	0.027
39415	Metolachlor (Dual, Pennant)	0.013
82630	Metribuzin (Lexon, Sencor)	0.006
82671	Molinate (Ordram)	0.002
82684	Napropamide (Devrinol)	0.007
39542	Parathion, Ethyl- (Roethyl-P, Alkron)	0.007
82667	Parathion, Methyl- (Penncap-M)	0.006
82669	Pebulate (Tillam, PEBL)	0.002
82683	Pendimethalin (Prowl, Stomp, Pre-M)	0.010
82687	Permethrin,cis- (Ambush, Astro)	0.006
82664	Phorate (Thimet, Granutox)	0.011
04037	Prometon (Pramitol, Princep)	0.015
82676	Pronamide (Kerb) (Propyzamid)	0.004
04024	Propachlor (Ramrod, Satecid)	0.010
82679	Propanil (Stampede, Stam)	0.011
82685	Propargite (Omite, Alkyl sulfite)	0.023
04035	Simazine (Princep, Caliber 91)	0.011
82670	Tebuthiuron (Spike, Tebusan)	0.016
82665	Terbacil (Sinbar)	0.034
82675	Terbufos (Counter, Contraven)	0.017
82681	Thiobencarb (Bolero, Saturn)	0.005
82678	Triallate (Avadex BW, Far-Go)	0.002
82661	Trifluralin (Treflan, Gowan)	0.009

Analyses of volatile organic compounds in ground-water samples (schedule 2020/2021)

Selected ground-water samples from the NECB NAWQA study were analyzed for volatile organic compounds (VOCs) in 2001. The National Water Quality Lab (NWQL) created a method for accurate determination of VOCs in water in the nanogram per liter range, schedules 2020/2021. This method is described in USGS Open-File Report 97-829 (Connor and others, 1998)[1]. Minor improvements to instrument operating conditions include the following: additional compounds, quantitation ions that are different from those recommended in USEPA Method 524.2 because of interferences from the additional compounds, and a data reporting strategy for measuring detected compounds extrapolated at less than the lowest calibration standard or measured at less than the reporting limit.

This table lists the volatile organic compounds on the schedule, the unit of measure (micrograms per liter (µg/L), the U.S. Geological Survey National Water Information System parameter code, the Union of Pure and Applied Chemistry (IUPAC) compound name, and the National Water Quality Laboratory compound name. Positive detections measured at less than LRL are reported as estimated concentrations (E) to alert the data user to decreased confidence in accurate quantitation. Values for analytes in the 2020/2021 schedules are preceded by an “E” in the following situations:

1. When the calculated concentration is less than the lowest calibration standard. The analyte meets all identification criteria to be positively identified, but the amount detected is below where it can be reliably quantified.

2. If a sample is diluted for any reason. The method reporting level is multiplied by the dilution factor to obtain the adjusted method reporting level. Values below the lowest calibration standard, multiplied by the dilution factor are qualified with an “E”. For example, a value of 0.19 in a 1:2 dilution is reported as E0.1.

3. If the set spike has recoveries out of the specified range (60-140 percent).

4. If the analyte is also detected in the set blank. If the value in the sample is less than five times the blank value and greater than the blank value plus the long term method detection limit, the value is preceded by an “E” to indicate that the analyte is positively identified but not positively quantified because the analyte was also detected in the blank.

SCHEDULE DESCRIPTION.--The sample water is actively purged with helium to extract the volatile organic compounds. The volatile compounds are trapped onto a sorbent trap, thermally desorbed, separated by a megabore gas chromatographic capillary column, and finally determined by a full scan quadropole mass spectrometer. Compound identification is confirmed by the gas chromatographic retention time and by the resultant mass spectrum, typically identified by three unique ions.

SAMPLE REQUIREMENTS.--Water collected in vials placed in stainless steel VOC sampler. Hydrochloric acid is used for preservation. Chilled at 4°C (packed in ice).

CONTAINER REQUIREMENTS.--
40 milliliter baked amber septum glass vial, from OCALA Quality Water Service Unit.

PCODE.--The EPA/USGS parameter code

COMPOUND NAME.--IUPAC nomenclature

COMMON NAME.--NWQL nomenclature

LRL.--Laboratory Reporting Level

1. Connor, B.F., Rose, D.L.,Noriega, M.C., Murtagh, L.K., and Abney, S.R., 1998, Methods of analysis by the U.S. Geological Survey National Water Quality Laboratory--Determination of 86 volatile organic compounds in water by gas chromatograph/mass spectrometry, including detections less than reporting limits: U.S. Geological Survey Open-File Report 97-829, 78 p.

PCode	Compound name	Common name	LRL (µg/L)
77353	(1,1-Dimethylethyl) benzene	*tert*-butylbenzene	0.06
77223	(1-Methylethyl) benzene	Isopropylbenzene	0.032
77350	(1-Methylpropyl) benzene	*sec*-butylbenzene	0.032
34396	1,1,1,2,2,2-Hexachloro-ethane	Hexachloroethane	0.19
77562	1,1,1,2-Tetrachloroet-hane	1,1,2-tetrachloroethane	0.03
34506	1,1,1-Trichloroethane	1,1,1-trichloroethane	0.032
34516	1,1,2,2-Tetrachloroet-hane	1,1,2,2-tetrachloroethane	0.09
77652	1,1,2-Trichloro-1,2,2-trifluoroethane	Freon-113	0.06
34511	1,1,2-Trichloroethane	1,1,2-trichloroethane	0.06
34496	1,1-Dichloroethane	1,1-dichloroethane	0.035
34501	1,1-Dichloroethene	1,1-dichloroethene	0.04
77168	1,1-Dichloropropene	1,1-dichloropropene	0.026
49999	1,2,3,4-Tetramethylben-zene	Preh-nitene	0.23
50000	1,2,3,5-Tetramethylben-zene	Isodurence	0.20
77613	1,2,3-Trichlorobenzene	1,2,3-trichlorobenzene	0.27
77443	1,2,3-Trichloropropane	1,2,3-trichloropropane	0.16
77221	1,2,3-Trimethylbenzene	1,2,3-trimethylbenzene	0.12
34551	1,2,4-Trichlorobenzene	1,2,4-trichlorobenzene	0.19
77222	1,2,4-Trimethylbenzene	1,2,4-trimethylbenzene	0.056
82625	1,2-Dibromo-3-chloro-propane	1,2-dibromo-3-chloropro-pane (DBCP)	0.21
77651	1,2-Dibromoethane	1,2-dibromoethane	0.036
34536	1,2-Dichlorobenzene	1,2-dichlorobenzene	0.031
32103	1,2-Dichloroethane	1,2-dichloroethane	0.13
34541	1,2-Dichloropropane	1,2-dichloropropane	0.028
77135	1,2-Dimethylbenzene	o-xylene	0.038
85795	1,3 & 1,4-Dimethylben-zene	m & p-xylene	0.06
77226	1,3,5-Trimethylbenzene	1,3,5-trimethylbenzene	0.044
34566	1,3-Dichlorobenzene	1,3-dichlorobenzene	0.030
77173	1,3-Dichloropropane	1,3-dichloropropane	0.12
34571	1,4-Dichlorobenzene	1,4-dichlorobenzene	0.05
77275	1-Chloro-2-methylben-zene	2-chlorotoluene	0.026
77277	1-Chloro-4-methylben-zene	4-chlorotoluene	0.06
77356	1-Isopropyl-4-methyl-benzene	p-Isopropyltoluene	0.07
77170	2,2-Dichloropropane	2,2-dichloropropane	0.05
81595	2-Butanone	Methyl-ethyl ketone	1.60
77220	2-Ethyltoluene	2-ethyl toluene	0.06
77103	2-Hexanone	2-hexanone	0.70
34215	Acrylonitrile	2-Propenenitrile	1.20
78109	3-Chloro-1-propene	3-chloro-1-propene	0.07
78133	4-Methyl-2-pentanone	Methyl isobutyl ketone	0.37
81552	Acetone	Acetone	7.00
34030	Benzene	Benzene	0.035
81555	Bromobenzene	Bromobenzene	0.036
77297	Bromochloromethane	Bromochloromethane	0.044
32101	Bromodichloromethane	Bromodichloromethane	0.048
50002	Bromoethene	Vinyl Bromide	0.10
34413	Bromomethane	Methyl bromide	0.26
77041	Carbon disulfide	Carbon Disulfide	0.07
34301	Chlorobenzene	Chlorobenzene	0.028
34311	Chloroethane	Chloroethane	0.12
39175	Chloroethene	Vinyl Chloride	0.11
34418	Chloromethane	Methyl chloride	0.25
77093	cis-1,2-Dichloroethene	cis-1,2-dichloroethene	0.038
34704	cis-1,3-Dichloropro-pene	cis-1,3-dichloropropene	0.09
32105	Dibromochloromethane	Dibromochloromethane	0.18
30217	Dibromomethane	Dibromomethane	0.05
34668	Dichlorodifluo-romethane	Dichlorodifluoromethane	0.27
34423	Dichloromethane	Methylene Chloride	0.16
81576	Diethyl ether	Diethyl ether	0.17
81577	Di isopropyl	Ether	0.10
77128	Ethenylbenzene	Styrene	0.042
73570	Ethyl methacrylate	Ethyl Methacrylate	0.18
50004	Ethyl tert-butyl ether	Ethyl-t-butyl ether (ETBE)	0.054
34371	Ethylbenzene	Ethylbenzene	0.03
39702	Hexachlorobutadiene	Hexachlorobutadiene	0.14
77424	Iodomethane	Methyl iodide	0.12
49991	Methyl acrylate	Methyl Acrylate	1.40
81593	Methyl acrylonitrile	Methyl Acrylonitrile	0.60
81597	Methyl methacrylate	Methyl Methacrylate	0.35
78032	Methyl tert-butyl ether	Methyl-t-butyl ether (MTBE)	0.17
34010	Methylbenzene	Toluene	0.05
77342	n-Butylbenzene	n-butylbenzene	0.19
77224	n-Propylbenzene	n-propylbenzene	0.042
34696	Naphthalene	Naphthalene	0.25
50005	tert-Amyl methyl ether	tert-amyl methyl ether (TAME)	0.11
34475	Tetrachloroethene	Tetrachloroethene	0.10
32102	Tetrachloromethane	Carbon tetrachloride	0.06
81607	Tetrahydrofuran	Tetrahydrofuran	2.20
34546	trans-1,2-Dichloroet-hene	trans-1,2-dichloroethene	0.032
34699	trans-1,3-Dichloropro-pene	trans-1,3-dichloropro-pene	0.09
73547	trans-1,4-Dichloro-2-butene	trans-1,4-dichloro-2-butene	0.70
32104	Tribromomethane	Bromoform	0.06
39180	Trichloroethene	Trichloroethene	0.038
34488	Trichlorofluoromethane	Trichlorofluoromethane	0.09
32106	Trichloromethane	Chloroform	0.024

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 report:

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.*
M	*Presence verified, not quantified*

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 use 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 beginning to the end of the 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 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 use in flood forecasting or other streamflow modeling applications. Locations of the snow sampling stations included in this report are shown in figure 4.

Data Collection and Computation

Snow data were collected with snow tubes with graduations on the outside to measure the total depth of the 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 magnetic tape or 3-1/2 inch floppy disk. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each of the Water Resources Division District Offices (See address on the back of the title page.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. Terms such as algae, water level, 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 on the inside of the back cover.

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.

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.

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 to 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 weight percent of the hydrogen substituted chlorine.

Artificial substrate is a device that is purposely 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 taken. 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 the 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")

Bacteria are microscopic unicellular organisims, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, while 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.

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 peaks per year will be published.

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.

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

Bedload discharge (tons per day) is 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” and “Sediment”)

Bed material is the sediment mixture of which a streambed, lake, pond, reservoir, or estuary bottom is composed. (See also “Bedload” and “Sediment”)

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 which are autotrophic (plants). This is also called the Autotrophic Index.

Blue-green algae (*Cyanophyta*) are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water. Concentrations are expressed as a number of cells per milliliter (cells / mL) of sample. (See also “Phytoplankton”)

Bottom material (See “Bed material”)

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 are generally reported as cells or units per milliliter (mL) or liter (L).

Cells volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently used 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 (mm^3) is determined by obtaining critical cell measurements on 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:

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

pi is the ratio of the circumference to the diameter of a circle; pi = 3.14159…

From cell volume, total algal biomass expressed as biovolume (mm^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 over all species.

Cfs-day (See “Cubic foot per second-day”)

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 warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and 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 waters 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. (See also “Aquifer”)

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 downstream from a gaging station that physically influences 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-feet” sometimes is used synonymously with “cubic feet 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 are numerically 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 concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also "Daily mean suspended-sediment concentration," "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 periodic sample or 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 are usually 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 UTM coordinates. (See also "Gage datum," "Land-surface datum," "National Geodetic Vertical Datum of 1929," and "North American Vertical Datum of 1988")

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells per milliliter (cells/mL) of sample. (See also "Phytoplankton")

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 sediments or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, etc., 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 chemical constituents, 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 0.4926 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:

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

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")

Enterococcus bacteria are commonly found in the feces of humans and other warm-blooded 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 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 are generally considered pollution sensitive, the index usually decreases with pollution.

Escherichia coli (E. coli) are bacteria present in the intestine and feces of warm-blooded 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. 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 qualitatively identified 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 (<).

Euglenoids (*Euglenophyta*) are a group of algae that are usually 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 semi-volatile and extractable by ethyl acetate from air-dried streambed sediments. 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 sediments.

Fecal coliform bacteria are present in the intestine or feces of warm-blooded animals. They are often 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 intestine of warm-blooded 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")

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

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

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

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height is often 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. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed.

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.

Green algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algae mats or floating "moss" in lakes. Their concentrations are expressed as number of cells per milliliter (cells / mL) of sample. (See also "Phytoplankton")

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 is commonly 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.co-ops.nos.noaa.gov/tideglos.html*

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution which 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 benchmark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a benchmark station may be used to separate effects of natural from human-induced changes in other basins that have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped benchmark basin.

Hydrologic index stations referred to in this report are four 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.), 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 uniformly distributed on it. (See also "Annual runoff")

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

Laboratory Reporting Level (LRL) is generally 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 non-detection 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 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 based on the most current quality-control data and may, therefore, change. [Note: In several previous NWQL documents (Connor and others, 1998; NWQL Technical Memorandum 98.07, 1998), the LRL was called the non-detection value or NDV—a term that is no longer used.)

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

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 web site: http://www.co-ops.nos.noaa.gov/tideglos.html*

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that are usually 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.

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 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.

Methylene blue active substances (MBAS) are apparent detergents. 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 mg/L 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 (Timme, 1995).

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 of 1929) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It was formerly 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.

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of Formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

North American Vertical Datum of 1988 (NAVD 1988) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the U.S. This datum was established in 1991 by minimum-constraint adjustment of the Canadian, Mexican, and U.S. 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 sediments. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or volatile mass of the 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 utilizes 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

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. 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 to 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 determined by using a clinometer to estimate left and right bank shading. The values are added together and divided by 180 to determine percent shading relative to a horizontal surface.

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. While 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 are termed "acidic," and solutions with a pH greater than 7 are termed "basic." Solutions with a pH of 7 are neutral. The presence and concentration of many dissolved chemical constituents found in water are, in part, influenced by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms are also influenced, in part, by the hydrogen-ion activity of water.

Phytoplankton is the plant part of the plankton. They are usually 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 are commonly 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.

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. 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 in unenriched waters. 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. 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 an element 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.

Recoverable from bed (bottom) material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion 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 non-exceedance 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 non-exceedances of the $7Q_{10}$ occur less than 10 years after the previous non-exceedance, half occur less

than 7 years after, and about one-eighth occur more than 20 years after the previous non-exceedance. 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")

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 used to denote location along a river.

Runoff is the quantity of water that is discharged ("runs off") from a drainage basin in 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")

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. See conversion of units page (inside back cover) for identification of the datum used in this report.

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 influenced by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Seven-day 10-year low flow (7Q10) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-run average. The recurrence interval of the 7Q10 is 10 years; the chance that the annual 7-day minimum flow will be less than the 7Q10 is 10 percent in any given year. (See also "Recurrence interval" and "Annual 7-day minimum")

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.

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 / 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 waters, to evaluate mixing of different waters, 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 (<2mm, sand or finer). Below are the class categories expressed as percent covered by fine sediment:

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

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 ft) of the bed material such as that material which is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is operationally defined as the 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 suspended water-sediment sample that is retained on a 0.45-micrometer membrane filter 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 the 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 sample. To

achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of "suspended, recoverable" constituents are made either by directly analyzing the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also "Suspended")

Suspended sediment is the sediment maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid. (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 ft 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/day) 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, 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, based on determinations of (1) dissolved and (2) total concentrations of the constituent. (See also "Suspended")

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.

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 richness is the total number of distinct species or groups and usually decreases with pollution. (See also "Percent Shading")

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

Kingdom:	Animal
Phylum:	Arthropoda
Class:	Insecta
Order:	Ephemeroptera
Family:	Ephemeridae
Genus:	*Hexagenia*
Species:	*Hexagenia limbata*

Temperature preferences:

Cold – preferred water temperature for the species is less than 20 ˚C or spawning temperature preference less than 16 ˚C and native distribution is considered to be predominantly north of 45˚ N. latitude.

Warm – preferred water temperatures for the species is greater than 20 ˚C or spawning temperature preference greater than 16 ˚C and native distribution is considered to be predominantly south of 45˚ N. latitude.

Cool – intermediate between cold and warm water temperature preferences.

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 tons 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 warm-blooded 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 mL 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 "Sediment," "Suspended sediment," "Suspended-Sediment Concentration," "Bedload," and "Bedload discharge")

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")

Trophic group:

Filter feeder – diet composed of suspended plant and/or animal material.

Herbivore – diet composed predominantly of plant material.

Invertivore – diet composed predominantly of invertebrates.

Omnivore – diet composed of at least 25-percent plant and 25-percent animal material.

Piscivore – diet composed predominantly of fish.

Turbidity is the reduction in the transparency of a solution due to the presence of suspended and some dissolved substances. The measurement technique records the collective optical properties of the solution that cause light to be scattered and attenuated rather than transmitted in straight lines; the higher the intensity of scattered or attenuated light, the higher the value of the turbidity. Turbidity is expressed in nephelometric turbidity units (NTU). Depending on the method used, the turbidity units as NTU can be defined as the intensity of light of a specified wavelength scattered or attenuated by suspended particles or absorbed at a method specified angle, usually 90 degrees, from the path of the incident light. Currently approved methods for the measurement of turbidity in the USGS include those that conform to EPA Method 180.1, ASTM D1889-00, and ISO 7027. Measurements of turbidity by these different methods and different instruments are unlikely to yield equivalent values. Consequently, the method of measurement and type of instrument used to derive turbidity records should be included in the "REMARKS" column of the Annual Data Report.

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 sub-

stances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of pathlength of UV light through a sample.

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 are often 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 (U.S. Environmental Protection Agency, 1996).

Water table is the level in the saturated zone at which the pressure is equal to the atmospheric pressure.

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

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, 2001, is called the "2001 water year."

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 are often 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 U.S.G.S. publishes a series of manuals 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.

The reports listed below are for sale by the U.S.G.S., Information Services, Box 25286, Federal Center, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be made in the form of a check or money order payable to the "U.S. Geological Survey." Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and mention the "U.S. Geological Survey Techniques of Water-Resources Investigations."

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, Chapter D1. 1975. 65 pages.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W.W. Wood: USGS–TWRI Book 1, Chapter D2. 1976. 24 pages.

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, Chapter D1. 1974. 116 pages.

2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F.P. Haeni: USGS–TWRI Book 2, Chapter D2. 1988. 86 pages.

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, Chapter E1. 1971. 126 pages.

2-E2. *Borehole geophysics applied to ground-water investigations*, by W.S. Keys: USGS–TWRI Book 2, Chapter E2. 1990. 150 pages.

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, Chapter F1. 1989. 97 pages.

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, Chapter A1. 1967. 30 pages.

3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M.A. Benson: USGS–TWRI Book 3, Chapter A2. 1967. 12 pages.

3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G.L. Bodhaine: USGS–TWRI Book 3, Chapter A3. 1968. 60 pages.

3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H.F. Matthai: USGS-TWRI Book 3, Chapter A4. 1967. 44 pages.

3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS–TWRI Book 3. Chapter A5. 1967. 29 pages.

3-A6. *General procedure for gaging streams*, by R.W. Carter and Jacob Davidian: USGS–TWRI Book 3, Chapter A6. 1968. 13 pages.

3-A7. *Stage measurement at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS–TWRI Book 3, Chapter A7. 1968. 28 pages.

3-A8. *Discharge measurements at gaging stations*, by T.J. Buchanan and W.P. Somers: USGS–TWRI Book 3, Chapter A8. 1969. 65 pages.

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, Chapter A9. 1989. 27 pages.

3-Al0. *Discharge ratings at gaging stations*, by E.J. Kennedy: USGS–TWRI Book 3, Chapter A10. 1984. 59 pages.

3-A11. *Measurement of discharge by the moving-boat method*, by G.F. Smoot and C.E. Novak: USGS–TWRI Book 3, Chapter A11. 1969. 22 pages.

3-A12. *Fluorometric procedures for dye tracing, Revised*, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS–TWRI Book 3, Chapter A12. 1986. 34 pages.

3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS–TWRI Book 3, Chapter A13. 1983. 53 pages.

3-A14. *Use of flumes in measuring discharge*, by F.A. Kilpatrick and V.R. Schneider: USGS–TWRI Book 3, Chapter A14. 1983. 46 pages.

3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS–TWRI Book 3, Chapter A15. 1984. 48 pages.

3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS–TWRI Book 3, Chapter A16. 1985. 52 pages.

3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS–TWRI Book 3, Chapter A17. 1985. 38 pages.

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, Chapter A18. 1989. 52 pages.

3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS–TWRI Book 3, Chapter A19. 1990. 31 pages.

3-A20. *Simulation of soluable waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS–TWRI Book 3, Chapter A20. 1993. 38 pages.

3-A21 *Stream-gaging cableways*, by C. Russell Wagner: USGS–TWRI Book 3, Chapter A21. 1995. 56 pages.

Section B. Ground-Water Techniques

3-B1. *Aquifer-test design, observation, and data analysis*, by R.W. Stallman: USGS–TWRI Book 3, Chapter B1. 1971. 26 pages.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS–TWRI Book 3, Chapter B2. 1976. 172 pages.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS–TWRI Book 3, Chapter B3. 1980. 106 pages.

3-B4. *Regression modeling of ground-water flow*, by R.L. Cooley and R.L. Naff: USGS–TWRI Book 3, Chapter B4. 1990. 232 pages.

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, Chapter B4. 1993. 8 pages.

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, Chapter B5. 1987. 15 pages.

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, Chapter B6. 1987. 28 pages.

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, Chapter B7. 1992. 190 pages.

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, Chapter C1. 1970. 55 pages.

3-C2. *Field methods for measurement of fluvial sediment,* by T.K. Edwards and G.D. Glysson: USGS–TWRI Book 3, Chapter C2. 1999. 89 pages.

3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS–TWRI Book 3, Chapter C3. 1972. 66 pages.

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, Chapter A1. 1968. 39 pages.

4-A2. *Frequency curves,* by H.C. Riggs: USGS–TWRI Book 4, Chapter A2. 1968. 15 pages.

Section B. Surface Water

4-B1. *Low-flow investigations,* by H.C. Riggs: USGS–TWRI Book 4, Chapter B1. 1972. 18 pages.

4-B2. *Storage analyses for water supply,* by H.C. Riggs and C.H. Hardison: USGS–TWRI Book 4, Chapter B2. 1973. 20 pages.

4-B3. *Regional analyses of streamflow characteristics,* by H.C. Riggs: USGS–TWRI Book 4, Chapter B3. 1973. 15 pages.

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, Chapter D1. 1970. 17 pages.

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, Chapter A1. 1989. 545 pages.

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

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, Chapter A3. 1987. 80 pages.

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, Chapter A4. 1989. 363 pages.

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, Chapter A5. 1977. 95 pages.

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, Chapter A6. 1982. 181 pages.

Section C. Sediment Analysis

5-C1. *Laboratory theory and methods for sediment analysis,* by H.P. Guy: USGS–TWRI Book 5, Chapter C1. 1969. 58 pages.

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, Chapter A1. 1988. 586 pages.

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, Chapter A2. 1991. 68 pages.

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, Chapter A3. 1993. 136 pages.

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, Chapter A4. 1992. 108 pages.

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. A5,1996. 125 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.

01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME

LOCATION.--Lat 46°42'00", long 69°42'59", 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 temperatures: October 1975 to September 1980.

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

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

REMARKS.--Records good, except for period of ice effect, Nov. 21 to Apr. 24, which is fair. Satellite gage-height telemeter at station.

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, 59 ft^3/s, Sept. 5, 1953; gage height, 0.25 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 32,800 ft^3/s, Apr. 25, gage height, 10.48 ft; minimum discharge, 69 ft^3/s, Sept. 20, 21, gage height, 0.45 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	347	855	e1000	e1560	e553	e463	e573	12300	2310	562	586	246
2	309	969	e821	e1460	e552	e445	e566	14400	1800	604	485	1050
3	277	1280	e634	e1390	e551	e427	e556	16400	2680	656	408	983
4	249	1630	e604	e1310	e549	e405	e552	16800	4150	523	339	721
5	223	1880	e540	e1250	e544	e385	e555	14200	4750	462	272	576
6	214	2170	e500	e1190	e531	e370	e566	10400	4230	621	234	485
7	219	2700	e460	e1150	e527	e356	e600	7440	3430	524	203	366
8	333	3450	e430	e1090	e523	e347	e644	5560	2530	454	178	289
9	371	3740	e405	e1060	e528	e340	e707	4470	1850	410	164	235
10	426	3410	e385	e1010	e538	e335	e786	3750	1450	376	161	195
11	474	3170	e373	e997	e566	e331	e858	3190	1240	457	148	166
12	681	3370	e373	e973	e623	e330	e1040	2730	1020	1300	142	141
13	1540	2970	e355	e958	e720	e328	e1290	4010	882	2200	144	124
14	2630	2480	e345	e897	e826	e332	e1900	5820	787	2150	135	111
15	3160	2950	e328	e897	e917	e342	e2480	4740	666	1790	121	103
16	3070	4860	e317	e847	e880	e362	e2940	3690	564	2230	119	98
17	2380	4460	e328	e813	e830	e371	e3300	3060	623	2630	108	90
18	1820	3610	e669	e807	e775	e379	e3720	2580	1080	2780	106	82
19	1880	2880	e2050	e783	e730	e381	e4460	2260	1230	2760	105	75
20	2080	2350	e4320	e762	e684	e383	e5520	2070	1130	2060	118	72
21	1780	e1950	e5130	e750	e647	e388	e7110	1780	901	1410	130	80
22	1500	e1660	e4460	e711	e616	e411	e9980	1530	657	1040	148	91
23	1240	e1410	e3880	e685	e589	e447	e13800	1280	546	855	170	115
24	1030	e1130	e3340	e658	e561	e498	e19700	1050	1670	783	158	192
25	892	e719	e2910	e642	e537	e541	30800	903	3000	3860	137	195
26	792	e702	e2600	e632	e519	e570	31200	752	2200	4880	120	531
27	710	e915	e2360	e610	e499	e592	27500	661	1390	2830	113	1270
28	644	e902	e2100	e600	e482	e596	21700	617	889	1760	108	1130
29	614	e1150	e1970	e591	---	e596	16900	1060	616	1230	105	850
30	576	e1110	e1800	e576	---	e588	13500	3430	605	947	108	645
31	793	---	e1710	e562	---	e581	---	3140	---	735	120	---
TOTAL	33254	66832	47497	28221	17397	13220	225803	156073	50876	45879	5693	11307
MEAN	1073	2228	1532	910	621	426	7527	5035	1696	1480	184	377
MAX	3160	4860	5130	1560	917	596	31200	16800	4750	4880	586	1270
MIN	214	702	317	562	482	328	552	617	546	376	105	72
CFSM	.80	1.66	1.14	.68	.46	.32	5.61	3.75	1.26	1.10	.14	.28
IN.	.92	1.85	1.32	.78	.48	.37	6.26	4.33	1.41	1.27	.16	.31

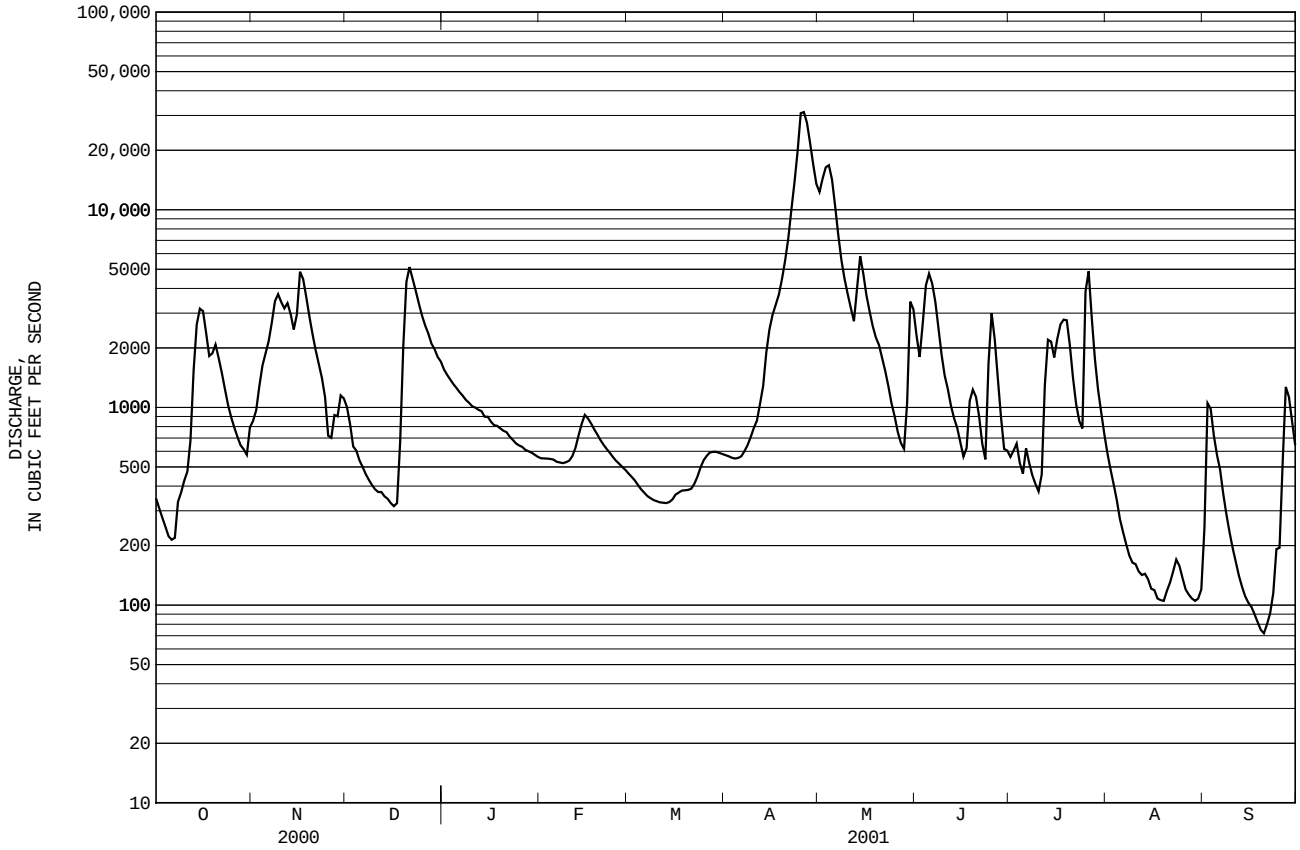
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2001, BY WATER YEAR (WY)

MEAN	1932	2256	1327	722	630	1024	7399	7077	2055	1413	1277	1327
MAX	6102	5717	4899	2580	2981	4296	13420	16550	4705	6845	5985	3930
(WY)	1991	1964	1951	1995	1996	1979	1976	1961	1954	1984	1981	1954
MIN	347	540	311	207	143	180	1918	1474	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1951 - 2001	
ANNUAL TOTAL	902006		702052			
ANNUAL MEAN	2464		1923		2373	
HIGHEST ANNUAL MEAN					3548	1984
LOWEST ANNUAL MEAN					1336	1957
HIGHEST DAILY MEAN	21500	Apr 24	31200	Apr 26	38600	May 1 1974
LOWEST DAILY MEAN	136	Sep 13	72	Sep 20	60	Sep 7 1987
ANNUAL SEVEN-DAY MINIMUM	146	Sep 9	84	Sep 16	66	Aug 30 1953
MAXIMUM PEAK FLOW			32800	Apr 25	44400	May 1 1974
MAXIMUM PEAK STAGE			10.48	Apr 25	23.00	Apr 11 1991
INSTANTANEOUS LOW FLOW			69	Sep 20	59	Sep 5 1953
ANNUAL RUNOFF (CFSM)	1.84		1.43		1.77	
ANNUAL RUNOFF (INCHES)	25.02		19.48		24.05	
10 PERCENT EXCEEDS	7240		3740		5980	
50 PERCENT EXCEEDS	818		730		975	
90 PERCENT EXCEEDS	265		175		260	



01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME

LOCATION.--Lat 46°53'38", long 69°45'08", 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.--October 1983 to current year.

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

REMARKS.--Records good, except for periods of ice effect, Oct. 29-31 and Nov. 19 to Apr. 24, and period of no gage-height record, Apr. 15-27, which are fair. Satellite gage-height 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, Sep. 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 25	unknown	*5,930	*11.96[a]	May 4	0615	3,100	9.59

Minimum discharge, 10 ft^3/s, Aug. 15-17, gage height, 2.94 ft.

[a] from floodmark

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	91	e106	e156	e63	e66	e97	1540	359	67	30	58
2	28	105	e87	e148	e61	e61	e96	2060	274	100	25	142
3	26	133	e75	e142	e60	e55	e95	2830	610	94	22	99
4	23	172	e65	e136	e59	e50	e95	2930	751	66	21	67
5	23	216	e58	e133	e58	e47	e97	2050	794	65	19	49
6	24	282	e53	e130	e57	e46	e100	1230	952	71	19	39
7	27	410	e51	e128	e57	e47	e103	813	757	68	17	33
8	30	533	e49	e125	e58	e48	e109	625	451	77	15	28
9	34	526	e47	e123	e63	e48	e116	529	278	66	14	25
10	45	443	e46	e117	e75	e49	e124	462	212	56	15	22
11	53	408	e45	e115	e90	e50	e135	396	176	90	13	20
12	112	405	e43	e114	e114	e49	e158	356	197	176	13	19
13	267	324	e43	e110	e140	e48	e194	756	188	175	13	18
14	329	257	e42	e104	e145	e54	e246	761	142	180	12	18
15	315	414	e41	e102	e139	e58	e296	521	105	155	11	18
16	264	633	e41	e99	e129	e60	e336	394	85	186	10	18
17	186	524	e69	e98	e117	e61	e371	320	137	155	11	18
18	141	407	e478	e95	e109	e61	e402	267	165	114	13	17
19	157	e301	e768	e92	e101	e60	e435	232	130	92	13	16
20	181	e224	e586	e89	e95	e71	e483	210	118	73	13	15
21	154	e183	e466	e86	e88	e80	e613	183	90	53	18	16
22	123	e155	e387	e83	e84	e91	e900	155	71	51	18	21
23	98	e135	e341	e79	e79	e101	e1690	131	76	57	20	41
24	81	e119	e300	e78	e76	e108	e3280	110	226	55	18	76
25	72	e108	e271	e76	e73	e111	e5360	94	279	57	17	67
26	63	e106	e241	e75	e71	e111	e5010	80	162	65	17	281
27	58	e118	e223	e74	e70	e110	e3470	71	98	51	22	369
28	53	e129	e205	e72	e69	e109	2490	73	65	43	25	238
29	e50	e133	e189	e69	---	e106	1860	640	51	47	27	169
30	e80	e117	e178	e67	---	e101	1510	1200	45	45	24	119
31	e73	---	e167	e65	---	e98	---	680	---	36	22	---
TOTAL	3201	8111	5761	3180	2400	2215	30271	22699	8044	2686	547	2136
MEAN	103	270	186	103	85.7	71.5	1009	732	268	86.6	17.6	71.2
MAX	329	633	768	156	145	111	5360	2930	952	186	30	369
MIN	23	91	41	65	57	46	95	71	45	36	10	15
CFSM	.60	1.58	1.09	.60	.50	.42	5.90	4.28	1.57	.51	.10	.42
IN.	.70	1.76	1.25	.69	.52	.48	6.59	4.94	1.75	.58	.12	.46

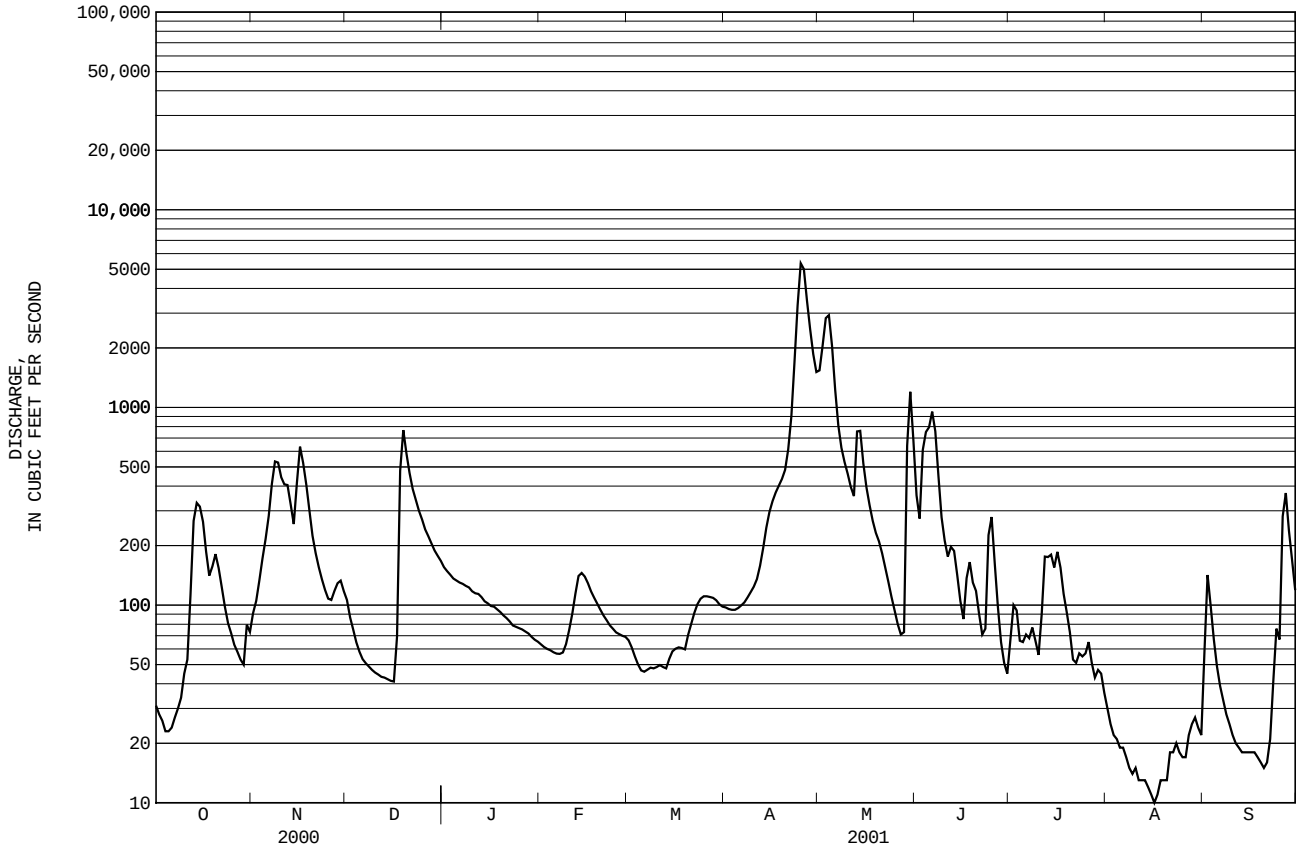
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2001, BY WATER YEAR (WY)

MEAN	259	329	185	104	91.2	220	1252	730	243	189	120	120
MAX	710	612	708	265	393	852	1807	1766	762	691	551	364
(WY)	1991	1989	1991	1991	1996	1990	1991	1997	1994	1984	1986	1986
MIN	40.0	192	41.8	27.5	13.6	25.9	678	152	57.2	38.5	17.6	20.1
(WY)	1998	1999	1998	1985	1985	1993	1985	1987	1998	1997	2001	1985

e Estimated

01010070 BIG BLACK RIVER NEAR DEPOT MOUNTAIN, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1984 - 2001	
ANNUAL TOTAL	113631		91251			
ANNUAL MEAN	310		250		320	
HIGHEST ANNUAL MEAN					438	1984
LOWEST ANNUAL MEAN					157	1985
HIGHEST DAILY MEAN	3250	Apr 24	5360	Apr 25	6790	Apr 1 1987
LOWEST DAILY MEAN	13	Sep 9	10	Aug 16	7.4	Sep 24 1985
ANNUAL SEVEN-DAY MINIMUM	14	Sep 8	12	Aug 11	8.0	Sep 20 1985
MAXIMUM PEAK FLOW			5930	Apr 25	8680	Apr 1 1987
MAXIMUM PEAK STAGE			11.96	Apr 25	15.62	Apr 1 1987
INSTANTANEOUS LOW FLOW			10	Aug 15		
ANNUAL RUNOFF (CFSM)	1.82		1.46		1.87	
ANNUAL RUNOFF (INCHES)	24.72		19.85		25.42	
10 PERCENT EXCEEDS	976		498		825	
50 PERCENT EXCEEDS	90		96		117	
90 PERCENT EXCEEDS	23		22		31	



01010500 ST. JOHN RIVER AT DICKEY, ME

LOCATION.--Lat 47°06'44", long 69°05'25", Aroostook County, Hydrologic Unit 01010001, on right bank at downstream side of 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 the period of ice effect, Nov. 25 to Apr. 21, and periods of doubtful gage-height record, Dec. 18-19, Jan. 3-6, 10-24, 26-29, Feb. 4-5, 8-9, 12-13, 16-17, and May 16-18, which are fair. Satellite gage-height telemeter at station.

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, 129 ft^3/s Sept. 17, 1948.

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 19	1615	Ice Jam	*18.56	May 4	2000	36,200	12.57
Apr 26	0215	*62,200	16.00				

Minimum discharge, 207 ft^3/s, Sept. 20-21, gage height, 3.31 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	660	1420	e2550	e3040	e1060	e836	e1070	23600	5900	1700	1210	945
2	576	1540	e2170	e2840	e1050	e802	e1050	25800	4530	2000	1010	1530
3	513	1840	e1490	e2690	e1030	e777	e1040	32200	4590	2000	880	2090
4	464	2360	e1220	e2550	e1020	e745	e1020	35600	7550	1820	778	1860
5	421	2960	e1110	e2410	e1000	e715	e1040	31400	9680	1590	702	1420
6	389	3490	e1030	e2290	e993	e693	e1060	23300	11700	1430	628	1130
7	388	4240	e949	e2200	e982	e651	e1120	16500	10200	1390	565	963
8	396	5490	e907	e2090	e971	e637	e1210	12700	7700	1360	516	814
9	402	6470	e867	e2000	e971	e613	e1340	10500	5730	1240	472	679
10	624	6340	e838	e1900	e982	e606	e1460	9020	4500	1270	437	585
11	777	5630	e819	e1850	e1000	e594	e1580	7930	3790	1300	403	513
12	933	5380	e805	e1770	e1060	e594	e1920	7040	3350	1760	386	443
13	1260	5320	e792	e1700	e1170	e587	e2540	8320	3050	3240	365	397
14	2950	4670	e774	e1650	e1300	e602	e3670	11600	2700	3940	341	358
15	4500	4970	e757	e1570	e1560	e616	e4890	10400	2350	3970	334	330
16	4970	8150	e740	e1520	e1730	e639	e5850	e8400	2080	4120	322	302
17	4390	8800	e835	e1480	e1730	e653	e6400	e7120	4960	4650	301	269
18	3510	7360	e1370	e1430	e1630	e665	e7150	e6270	6160	5640	299	242
19	3000	6030	e2900	e1390	e1500	e674	e8530	5490	5230	5680	320	227
20	3220	4960	e8020	e1380	e1380	e686	e10500	4920	4410	4640	315	212
21	3270	4240	e8210	e1350	e1280	e708	e13500	4530	3620	3470	338	222
22	2830	3770	e7690	e1320	e1180	e743	19200	4130	2910	2600	360	267
23	2420	3420	e7110	e1280	e1120	e810	26400	3620	2430	2430	387	340
24	2020	2950	e6340	e1250	e1060	e907	36800	3140	2930	2240	379	400
25	1690	e2040	e5690	e1230	e1020	e978	54500	2680	5390	1900	368	452
26	1470	e1640	e5040	e1200	e960	e1020	59400	2390	5660	5410	348	1000
27	1320	e1990	e4610	e1160	e916	e1070	52300	2090	4130	5090	374	2360
28	1210	e2440	e4140	e1140	e874	e1100	42700	1890	2940	3400	424	3140
29	1210	e2360	e3800	e1130	---	e1090	33500	2050	2170	2400	423	2510
30	1190	e2670	e3490	e1110	---	e1080	26500	5090	1710	1800	372	1850
31	1130	---	e3280	e1070	---	e1070	---	7600	---	1460	381	---
TOTAL	54103	124940	90343	52990	32529	23961	429240	337320	144050	86940	14738	27850
MEAN	1745	4165	2914	1709	1162	773	14310	10880	4802	2805	475	928
MAX	4970	8800	8210	3040	1730	1100	59400	35600	11700	5680	1210	3140
MIN	388	1420	740	1070	874	587	1020	1890	1710	1240	299	212
CFSM	.65	1.55	1.09	.64	.43	.29	5.34	4.06	1.79	1.05	.18	.35
IN.	.75	1.73	1.25	.74	.45	.33	5.96	4.68	2.00	1.21	.20	.39

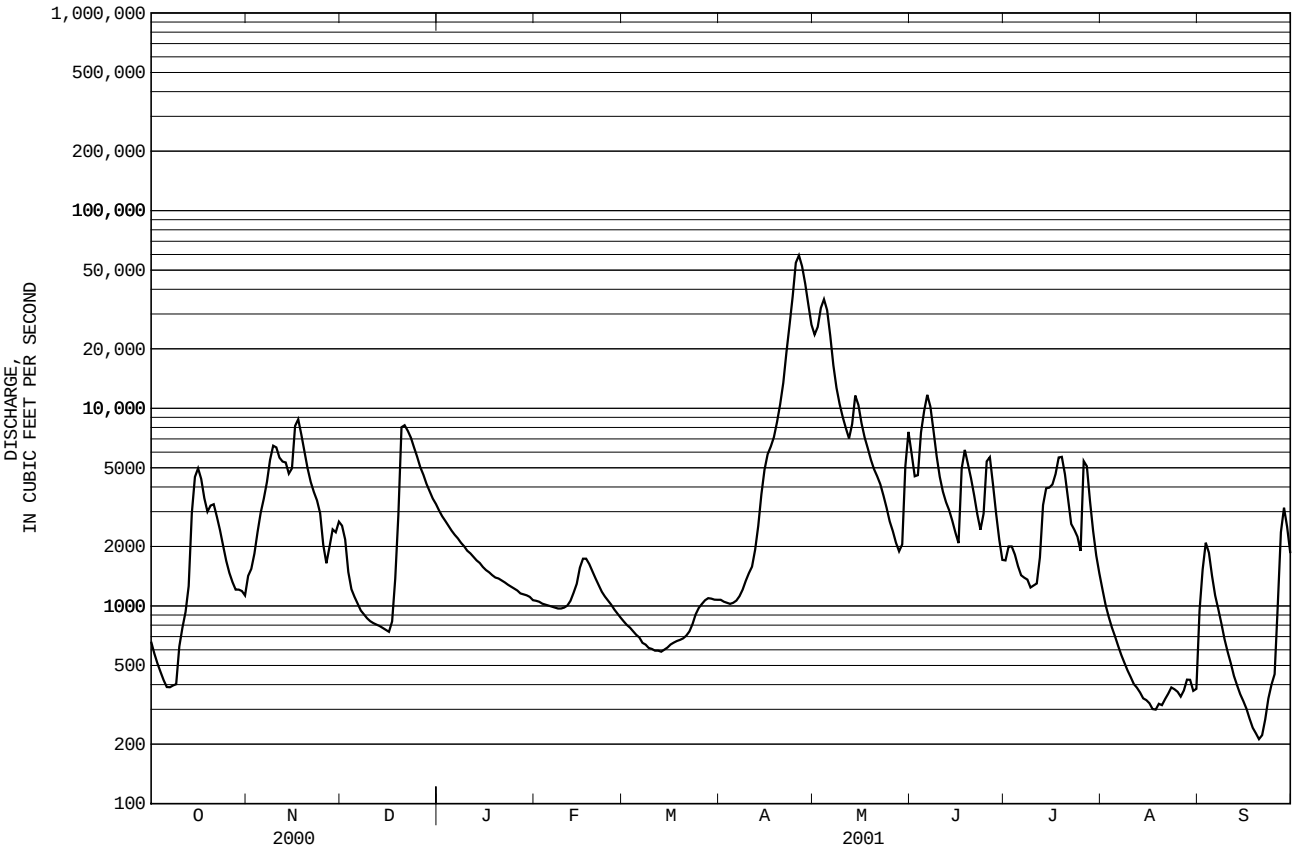
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

MEAN	3493	4176	2612	1417	1209	1884	14580	15540	4399	2780	2451	2416
MAX	11280	10180	9781	4461	6456	9249	27790	35100	10840	10320	11740	7655
(WY)	1978	1964	1951	1995	1996	1979	1976	1961	1947	1984	1981	1954
MIN	690	605	624	341	201	378	3999	2681	1152	796	265	397
(WY)	1954	1948	1956	1948	1948	1956	1965	1987	1968	1991	1953	1953

e Estimated

01010500 ST. JOHN RIVER AT DICKEY, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910 - 2001	
ANNUAL TOTAL	1719801		1419004			
ANNUAL MEAN	4699		3888		4769	
HIGHEST ANNUAL MEAN					7193	1976
LOWEST ANNUAL MEAN					2844	1965
HIGHEST DAILY MEAN	42300	Apr 25	59400	Apr 26	86800	Apr 29 1979
LOWEST DAILY MEAN	212	Sep 14	212	Sep 20	135	Sep 15 1948
ANNUAL SEVEN-DAY MINIMUM	248	Sep 10	249	Sep 16	142	Sep 11 1948
MAXIMUM PEAK FLOW			62200	Apr 26	91700	Apr 29 1979
MAXIMUM PEAK STAGE			18.56	Apr 19	37.89	Apr 9 1991
INSTANTANEOUS LOW FLOW			207	Sep 20	129	Sep 17 1948
ANNUAL RUNOFF (CFSM)	1.75		1.45		1.78	
ANNUAL RUNOFF (INCHES)	23.87		19.70		24.18	
10 PERCENT EXCEEDS	15000		7640		11800	
50 PERCENT EXCEEDS	1510		1580		2000	
90 PERCENT EXCEEDS	532		422		560	



01011000 ALLAGASH RIVER NEAR ALLAGASH, ME

LOCATION.--Lat 47°04'14", long 69°04'51", 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 period of ice effect, Nov. 25 to Apr. 23, which is fair. Some regulation for recreational purposes since May 1969 by Churchill Lake, usable capacity, about 3.4 billion ft^3, 58 mi upstream. Satellite gage-height 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, 17,500 ft^3/s, Apr. 25, gage height, 9.76 ft; minimum discharge, 217 ft^3/s, Oct. 6, gage height, 1.83 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	423	e1450	e1450	e593	e475	e437	10400	1420	792	767	488
2	251	447	e1390	e1400	e584	e471	e447	10400	1310	885	697	909
3	245	509	e1150	e1340	e575	e460	e448	11100	1590	807	639	716
4	238	588	e990	e1290	e564	e453	e445	11000	2500	691	576	622
5	230	676	e871	e1250	e555	e440	e448	9700	3470	659	537	600
6	223	813	e655	e1200	e547	e434	e459	8150	6090	659	507	548
7	223	1060	e464	e1160	e542	e429	e462	6360	4970	671	483	485
8	225	1400	e434	e1120	e538	e424	e471	5090	3570	703	451	441
9	225	1600	e421	e1080	e547	e422	e484	4500	2830	733	431	404
10	267	1600	e408	e1050	e558	e426	e500	4170	2380	773	423	372
11	302	1500	e390	e1020	e555	e426	e523	3960	2060	927	414	355
12	363	1390	e388	e994	e539	e426	e564	3410	1900	1170	389	327
13	458	1260	e379	e960	e526	e438	e658	3650	1730	1140	377	299
14	586	1160	e376	e932	e518	e462	e833	3740	1550	1040	370	284
15	699	1560	e374	e909	e510	e481	e1020	3360	1400	1040	357	270
16	679	2610	e372	e872	e500	e487	e1190	3090	1310	1280	342	254
17	570	2490	e596	e877	e492	e490	e1420	2800	1510	1500	335	245
18	511	2260	e838	e868	e488	e474	e1680	2520	1570	2450	340	240
19	509	2010	e1270	e838	e486	e450	e2030	2260	1400	2490	335	235
20	547	1870	e2170	e801	e484	e432	e2540	2060	1370	1960	317	232
21	516	1820	e2480	e777	e492	e415	e3310	1940	1230	1520	338	245
22	473	1680	e2480	e751	e488	e419	e4320	1920	1080	1260	339	273
23	424	1520	e2320	e736	e479	e422	e6600	1750	1020	1350	346	313
24	385	1330	e2150	e714	e471	e435	9970	1580	1290	1370	341	324
25	366	e1080	e2020	e696	e465	e450	15900	1420	1610	1360	310	312
26	347	e1030	e1910	e679	e465	e450	16600	1290	1310	1480	283	518
27	324	e1050	e1820	e662	e477	e450	15100	1190	1100	1380	300	881
28	311	e1120	e1740	e649	e478	e447	14000	1130	937	1200	307	713
29	313	e1290	e1670	e633	---	e441	12800	1270	790	1040	294	595
30	370	e1430	e1590	e620	---	e436	11400	1630	749	914	276	518
31	414	---	e1510	e608	---	e435	---	1560	---	826	270	---
TOTAL	11848	40576	37076	28936	14516	13800	127059	128400	57046	36070	12491	13018
MEAN	382	1353	1196	933	518	445	4235	4142	1902	1164	403	434
MAX	699	2610	2480	1450	593	490	16600	11100	6090	2490	767	909
MIN	223	423	372	608	465	415	437	1130	749	659	270	232
CFSM	.31	1.10	.97	.76	.42	.36	3.45	3.37	1.55	.95	.33	.35
IN.	.36	1.23	1.12	.88	.44	.42	3.85	3.89	1.73	1.09	.38	.39

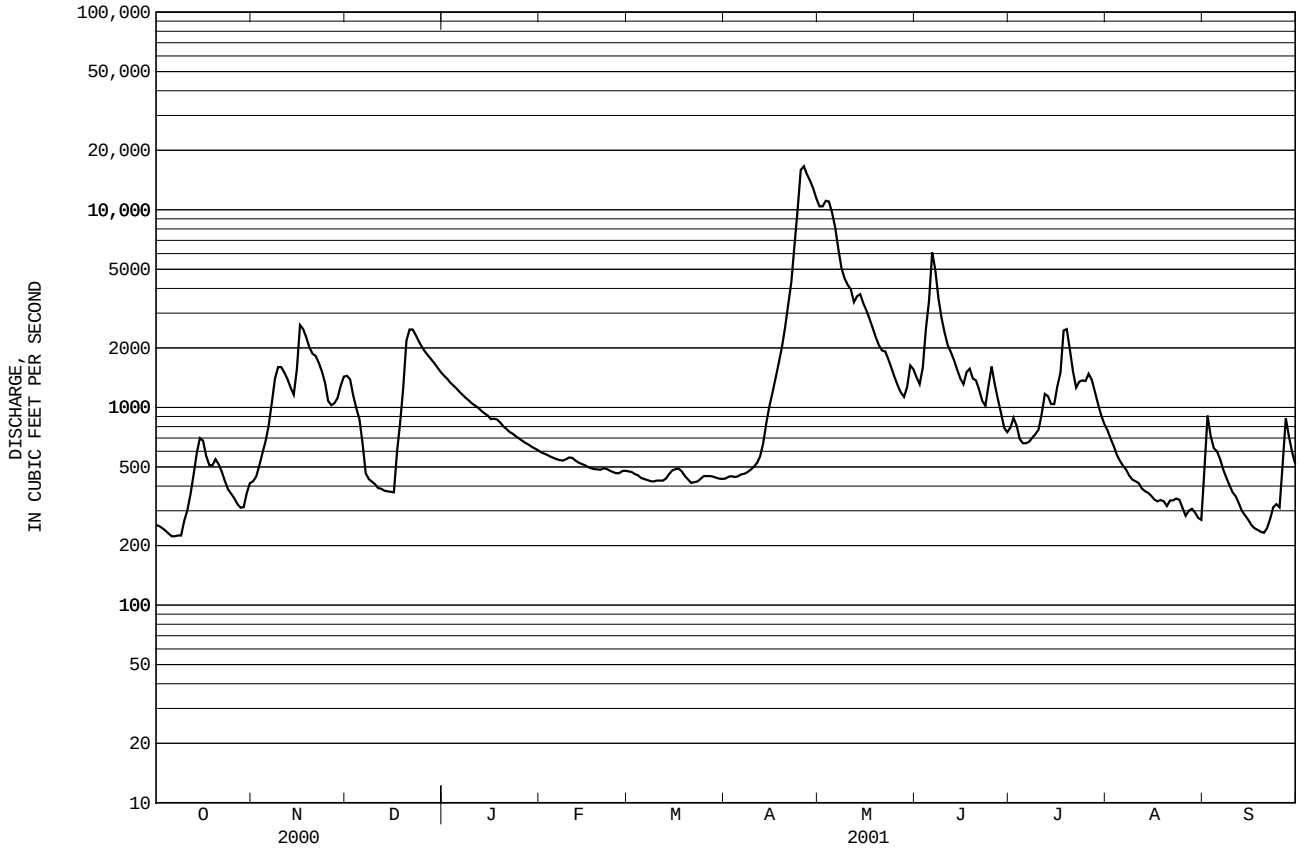
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2001, BY WATER YEAR (WY)

MEAN	1265	1579	1188	727	601	789	4765	6468	2226	1384	1083	1060
MAX	5068	4628	4549	1865	2400	3610	10100	13550	4544	4053	5292	3419
(WY)	1991	1964	1951	1958	1996	1979	1976	1961	1947	1954	1976	1999
MIN	149	235	252	192	119	181	623	1269	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1910 - 2001	
ANNUAL TOTAL	723917		520836			
ANNUAL MEAN	1978		1427		1941	
HIGHEST ANNUAL MEAN					2899	1976
LOWEST ANNUAL MEAN					989	1957
HIGHEST DAILY MEAN	15900	Apr 10	16600	Apr 26	32100	Apr 18 1983
LOWEST DAILY MEAN	223	Oct 6	223	Oct 6	91	Mar 9 1948
ANNUAL SEVEN-DAY MINIMUM	230	Oct 3	230	Oct 3	91	Mar 9 1948
MAXIMUM PEAK FLOW			17500	Apr 25	36900	Apr 18 1983
MAXIMUM PEAK STAGE			9.76	Apr 25	19.78	Apr 10 1991
INSTANTANEOUS LOW FLOW			217	Oct 6	87	Sep 11 1960
ANNUAL RUNOFF (CFSM)	1.61		1.16		1.58	
ANNUAL RUNOFF (INCHES)	21.91		15.76		21.46	
10 PERCENT EXCEEDS	6920		2490		4650	
50 PERCENT EXCEEDS	742		679		962	
90 PERCENT EXCEEDS	311		332		319	



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.--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.--No estimated daily discharges. Records good. Satellite gage-height 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, 6,530 ft^3/s, Apr. 28, gage height, 10.01 ft; minimum daily discharge, 61 ft^3/s, Oct. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

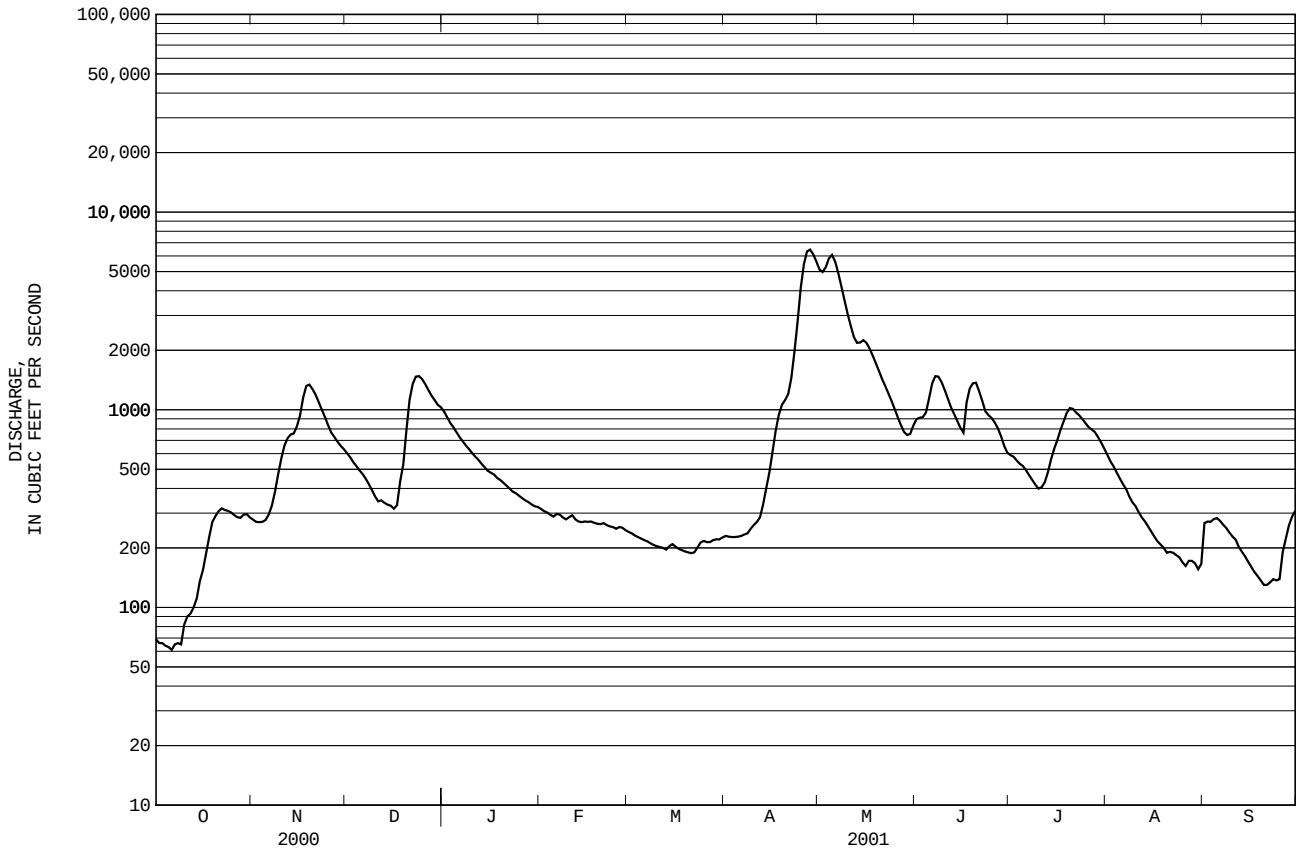
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	278	604	982	315	241	230	5120	897	590	590	267
2	66	271	576	918	307	237	228	4980	911	579	547	272
3	66	270	544	858	302	231	227	5260	918	554	516	271
4	64	271	519	816	294	227	227	5830	968	533	480	280
5	63	277	494	770	288	223	228	6070	1140	519	448	283
6	61	295	473	727	297	219	230	5620	1360	494	420	274
7	65	327	448	692	295	216	234	4910	1480	466	396	262
8	66	385	420	660	285	211	237	4200	1470	441	364	252
9	65	470	392	632	279	207	250	3570	1380	417	340	239
10	82	565	364	604	286	204	261	3050	1260	399	325	228
11	90	657	344	579	293	202	271	2650	1140	406	303	220
12	93	717	348	558	279	200	286	2330	1030	431	285	202
13	100	749	338	533	272	196	333	2180	953	484	272	191
14	111	759	331	512	270	204	403	2190	879	562	257	181
15	136	823	327	491	272	209	484	2250	812	636	242	170
16	155	936	316	480	271	203	614	2180	766	703	228	160
17	188	1150	329	470	272	198	784	2040	1090	791	216	151
18	228	1320	434	452	268	195	943	1880	1280	872	208	144
19	271	1340	530	441	265	192	1060	1720	1360	964	200	137
20	290	1270	788	427	264	190	1120	1570	1370	1020	189	130
21	307	1190	1120	413	267	188	1200	1430	1240	1010	191	130
22	317	1090	1350	399	261	190	1450	1320	1110	968	189	134
23	311	999	1470	385	257	201	1970	1210	982	936	184	139
24	308	915	1480	378	255	213	2790	1110	939	897	179	137
25	302	833	1430	367	250	217	4130	1010	908	855	169	139
26	293	766	1350	357	255	214	5440	918	862	816	162	190
27	286	727	1260	348	253	214	6320	837	805	795	172	223
28	284	689	1180	341	246	219	6460	773	735	770	172	260
29	295	657	1120	332	---	221	6110	745	657	727	167	288
30	296	632	1060	325	---	221	5620	756	607	682	156	308
31	285	---	1030	322	---	226	---	833	---	636	166	---
TOTAL	5613	21628	22769	16569	7718	6529	50140	80542	31309	20953	8733	6262
MEAN	181	721	734	534	276	211	1671	2598	1044	676	282	209
MAX	317	1340	1480	982	315	241	6460	6070	1480	1020	590	308
MIN	61	270	316	322	246	188	227	745	607	399	156	130
CFSM	.35	1.38	1.40	1.02	.53	.40	3.19	4.96	1.99	1.29	.54	.40
IN.	.40	1.54	1.62	1.18	.55	.46	3.56	5.72	2.22	1.49	.62	.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

MEAN	528	711	541	328	280	326	2189	3343	962	515	435	379
MAX	1650	1889	1393	839	1072	1116	4554	6360	1954	1730	2055	1222
(WY)	1955	1964	1958	1958	1981	1981	1983	1974	1994	1992	1981	1971
MIN	84.3	97.4	102	115	117	107	558	606	438	206	101	83.4
(WY)	1969	1979	1979	1990	1961	1962	1967	1987	1998	1991	1978	1978

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1952 - 2001	
ANNUAL TOTAL	329233		278765			
ANNUAL MEAN	900		764		881	
HIGHEST ANNUAL MEAN					1285	1958
LOWEST ANNUAL MEAN					485	1965
HIGHEST DAILY MEAN	5330	Apr 12	6460	Apr 28	14500	Apr 30 1979
LOWEST DAILY MEAN	61	Oct 6	61	Oct 6	60	Oct 11 1978
ANNUAL SEVEN-DAY MINIMUM	64	Oct 3	64	Oct 3	64	Oct 3 2000
MAXIMUM PEAK FLOW			6530	Apr 28	15000	Apr 30 1979
MAXIMUM PEAK STAGE			10.01	Apr 28	15.39	Apr 30 1979
ANNUAL RUNOFF (CFSM)	1.72		1.46		1.68	
ANNUAL RUNOFF (INCHES)	23.37		19.79		22.83	
10 PERCENT EXCEEDS	3140		1370		2100	
50 PERCENT EXCEEDS	336		392		425	
90 PERCENT EXCEEDS	108		183		150	



01013500 FISH RIVER NEAR FORT KENT, ME

LOCATION.--Lat 47°14'14", long 68°34'56", Aroostook County, Hydrologic Unit 01010003, on right bank 300 ft upstream from highway bridge at Fort Kent Mills, 2 mi upstream from mouth, and 2 mi south of Fort Kent.

DRAINAGE AREA.--873 mi^2.

PERIOD OF RECORD.--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. 3-28, and Jan. 3 to Apr. 14, which are fair. Satellite gage-height 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, 7,570 ft^3/s, May 4, gage height, 8.17 ft; minimum discharge, 85 ft^3/s, Sept. 20, gage height, 2.12 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	249	907	1430	e516	e402	e385	7070	1140	771	511	217
2	104	264	884	1400	e501	e395	e382	7160	1110	764	492	210
3	104	283	e830	e1360	e490	e384	e378	7420	1190	700	460	184
4	97	298	e814	e1290	e480	e375	e377	7500	1540	657	435	179
5	93	311	e791	e1250	e469	e372	e375	7210	1680	632	414	171
6	93	359	e750	e1210	e462	e366	e370	6790	1820	602	393	164
7	99	396	e702	e1160	e459	e360	e368	6340	1890	557	366	160
8	100	419	e642	e1110	e455	e349	e365	5920	1920	531	331	153
9	99	440	e613	e1070	e451	e336	e360	5510	1890	512	315	149
10	128	459	e591	e1030	e500	e325	e350	5090	1850	498	302	146
11	170	465	e577	e988	e479	e317	e397	4690	1800	496	274	145
12	179	461	e557	e949	e453	e309	e449	4320	1750	491	260	133
13	171	470	e537	e910	e438	e318	e555	3990	1660	479	250	130
14	174	489	e524	e873	e431	e333	e662	3680	1580	456	236	118
15	189	699	e517	e838	e422	e339	783	3460	1510	465	222	111
16	188	856	e505	e815	e440	e338	890	3260	1440	465	217	107
17	184	878	e498	e793	e429	e330	1070	3040	1390	559	208	101
18	186	907	e543	e765	e423	e325	1250	2830	1350	848	202	95
19	207	942	e671	e741	e420	e318	1420	2630	1290	740	186	89
20	211	964	e814	e717	e420	e315	1610	2430	1210	714	174	88
21	215	976	e958	e692	e413	e313	1920	2270	1120	705	188	93
22	205	976	e1120	e665	e450	e308	2450	2110	1060	700	187	101
23	207	970	e1250	e644	e428	e306	3300	1970	1030	754	183	119
24	206	952	e1400	e627	e426	e360	4320	1830	1050	767	169	118
25	203	926	e1490	e615	e417	e382	5940	1710	1020	735	158	121
26	203	914	e1540	e597	e422	e360	6740	1600	963	688	153	280
27	204	916	e1530	e580	e419	e355	7250	1500	911	644	160	272
28	201	941	e1510	e571	e409	e352	7360	1410	825	620	150	269
29	211	941	1490	e551	---	e343	7270	1370	783	602	142	273
30	234	929	1460	e538	---	e328	7120	1270	762	572	132	275
31	239	---	1440	e531	---	e320	---	1180	---	539	133	---
TOTAL	5211	20050	28455	27310	12522	10633	66466	118560	40534	19263	8003	4771
MEAN	168	668	918	881	447	343	2216	3825	1351	621	258	159
MAX	239	976	1540	1430	516	402	7360	7500	1920	848	511	280
MIN	93	249	498	531	409	306	350	1180	762	456	132	88
CFSM	.19	.77	1.05	1.01	.51	.39	2.54	4.38	1.55	.71	.30	.18
IN.	.22	.85	1.21	1.16	.53	.45	2.83	5.05	1.73	.82	.34	.20

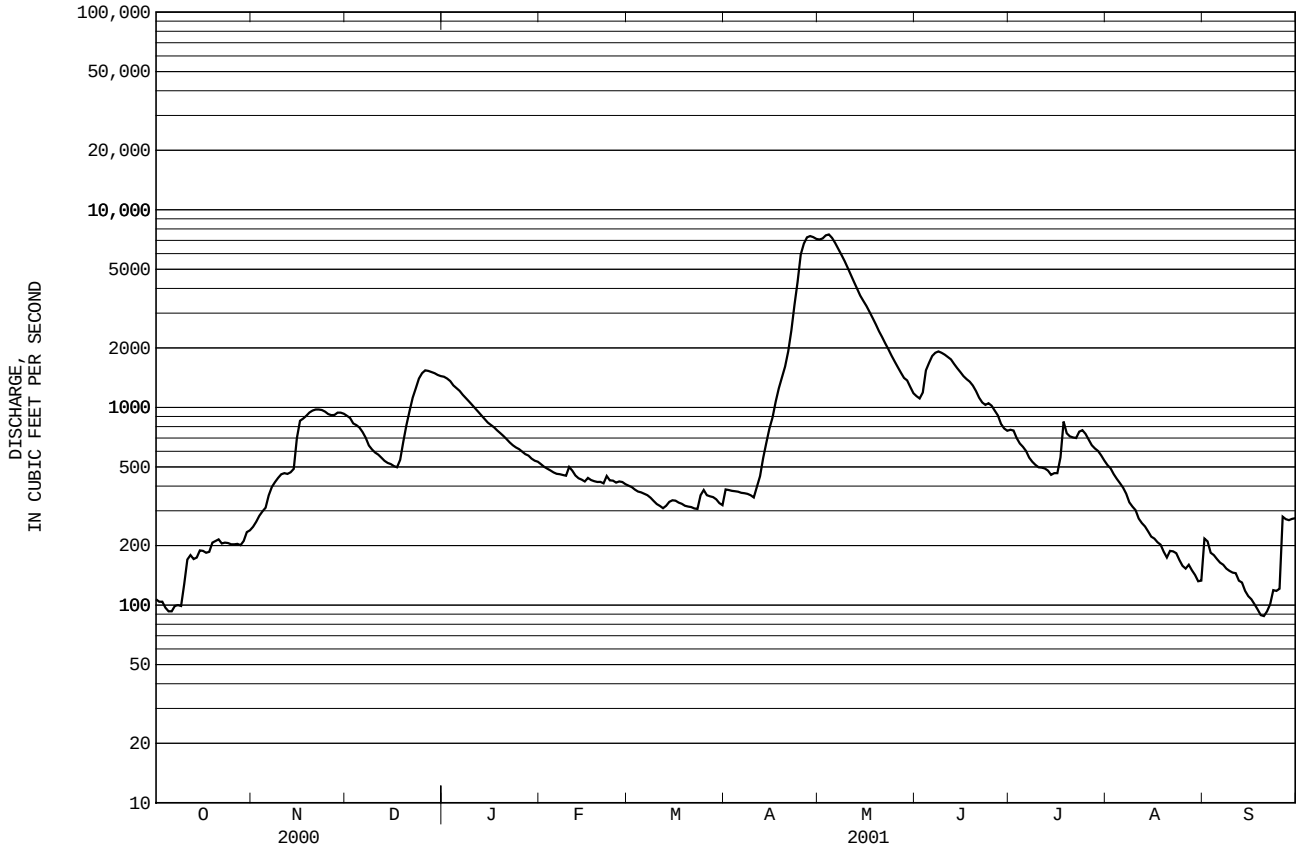
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2001, BY WATER YEAR (WY)

MEAN	757	1184	1065	626	499	581	3132	5113	1781	947	673	572
MAX	2776	4116	4688	1891	1750	3104	7495	8951	3696	3075	3571	2492
(WY)	1991	1964	1951	1958	1996	1936	1953	1969	1961	1954	1954	1963
MIN	63.1	98.2	103	149	116	107	390	1327	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1903 - 2001	
ANNUAL TOTAL	550548		361778			
ANNUAL MEAN	1504		991		1419	
HIGHEST ANNUAL MEAN					2175	1973
LOWEST ANNUAL MEAN					773	1965
HIGHEST DAILY MEAN	8330	Apr 26	7500	May 4	15600	Apr 30 1973
LOWEST DAILY MEAN	93	Oct 5	88	Sep 20	42	Oct 4 1995
ANNUAL SEVEN-DAY MINIMUM	98	Oct 3	96	Sep 16	44	Oct 1 1995
MAXIMUM PEAK FLOW			7570	May 4	15800	Apr 30 1973
MAXIMUM PEAK STAGE			8.17	May 4	12.43	Apr 30 1973
INSTANTANEOUS LOW FLOW			85	Sep 20	34	Aug 29 1968
ANNUAL RUNOFF (CFSM)	1.72		1.14		1.63	
ANNUAL RUNOFF (INCHES)	23.46		15.42		22.08	
10 PERCENT EXCEEDS	5560		1870		3570	
50 PERCENT EXCEEDS	677		501		720	
90 PERCENT EXCEEDS	185		162		223	



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

(International gaging station)

LOCATION.--Lat 47°15'35", long 68°35'45", Hydrologic Unit 01010001, on left bank at Clair, New Brunswick, Canada and 0.3 mi 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.--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. October 10, 1933 to August 23, 2001 water stage recorder on right bank in Fort Kent, Maine, at same datum.

REMARKS.--Records good, except for periods of ice effect, Nov. 26-27, and Dec. 3 to Apr. 23, periods of doubtful gage-height, Apr. 3-10, Jun. 12-17, Aug. 13-22, and period of no gage-height record, Jun. 18-25, which are fair. Telephone and satellite gage-height 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 26	0715	*94,700	*21.48	May 4	1415	64,100	17.55

Minimum discharge, 723 ft^3/s, Sept. 21, gage height, 0.87 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1280	2350	6100	e7460	e2620	e2160	e2330	49400	10100	4320	3630	1860
2	1160	2660	5620	e7030	e2580	e2100	e2310	49900	8430	4610	3240	2930
3	1080	2890	e4140	e6640	e2530	e2030	e2280	57600	8080	4590	2940	3360
4	1000	3300	e3560	e6300	e2480	e1980	e2260	63400	11300	4280	2670	3520
5	950	4010	e3090	e6010	e2450	e1930	e2290	59800	15400	4000	2440	3070
6	894	4820	e2720	e5760	e2420	e1880	e2340	48700	19900	3770	2240	2590
7	891	5750	e2480	e5530	e2400	e1830	e2420	38000	20300	3480	2060	2240
8	899	7220	e2310	e5290	e2380	e1780	e2550	30500	16100	3440	1910	1990
9	911	8930	e2140	e5080	e2380	e1730	e2710	25900	12700	3370	1780	1760
10	1030	9500	e2110	e4880	e2460	e1700	e2920	22800	10700	3220	1690	1570
11	1430	8970	e1980	e4700	e2490	e1690	e3190	20500	9330	3450	1590	1430
12	1610	8320	e1910	e4520	e2530	e1680	e3680	18200	8520	3820	1490	1280
13	1840	8300	e1880	e4340	e2610	e1700	e4470	17800	8010	4800	e1400	1160
14	2660	7760	e1820	e4200	e2790	e1750	e6070	21100	7360	6130	e1320	1070
15	5100	8100	e1780	e4040	e3050	e1810	e7900	21000	6670	6360	e1270	984
16	6150	11800	e1730	e3910	e3130	e1820	e9410	18200	6100	6670	e1200	922
17	5970	14500	e1820	e3850	e3120	e1820	e10600	15800	7890	7670	e1160	856
18	5010	13200	e3620	e3720	e3060	e1810	e12100	14000	e11100	9570	e1130	811
19	4320	11500	e6610	e3600	e2980	e1780	e14300	12500	e10000	10500	e1110	770
20	4100	10000	e10800	e3500	e2860	e1770	e16600	11400	e9100	9360	e1100	742
21	4530	9040	e13800	e3410	e2730	e1750	e20200	10500	e8000	7780	e1110	745
22	4200	8300	e15200	e3310	e2630	e1800	e26300	9810	e6700	6470	e1140	811
23	3690	7620	e15200	e3220	e2530	e1930	e36600	9000	e5900	6080	1170	935
24	3270	6920	e14300	e3140	e2450	e2090	53200	8120	e6500	5980	1170	1010
25	2900	5800	e13100	e3070	e2370	e2200	79300	7310	e8200	5530	1110	1070
26	2630	e4810	e11900	e3000	e2300	e2260	93700	6620	9640	6610	1050	1760
27	2410	e4980	e10600	e2910	e2250	e2330	88300	6030	8030	8970	1090	3180
28	2260	5710	e9830	e2860	e2210	e2350	78200	5550	6390	7030	1120	4540
29	2240	5830	e9030	e2810	---	e2350	66200	5530	5200	5580	1140	4290
30	2240	5990	e8410	e2740	---	e2350	55700	6720	4520	4660	1070	3610
31	2330	---	e7870	e2680	---	e2330	---	11000	---	4060	1010	---
TOTAL	80985	218880	197460	133510	72790	60490	710430	702690	286170	176160	49550	56866
MEAN	2612	7296	6370	4307	2600	1951	23680	22670	9539	5683	1598	1896
MAX	6150	14500	15200	7460	3130	2350	93700	63400	20300	10500	3630	4540
MIN	891	2350	1730	2680	2210	1680	2260	5530	4520	3220	1010	742
CFSM	.46	1.29	1.12	.76	.46	.34	4.18	4.00	1.68	1.00	.28	.33
IN.	.53	1.44	1.30	.88	.48	.40	4.67	4.61	1.88	1.16	.33	.37

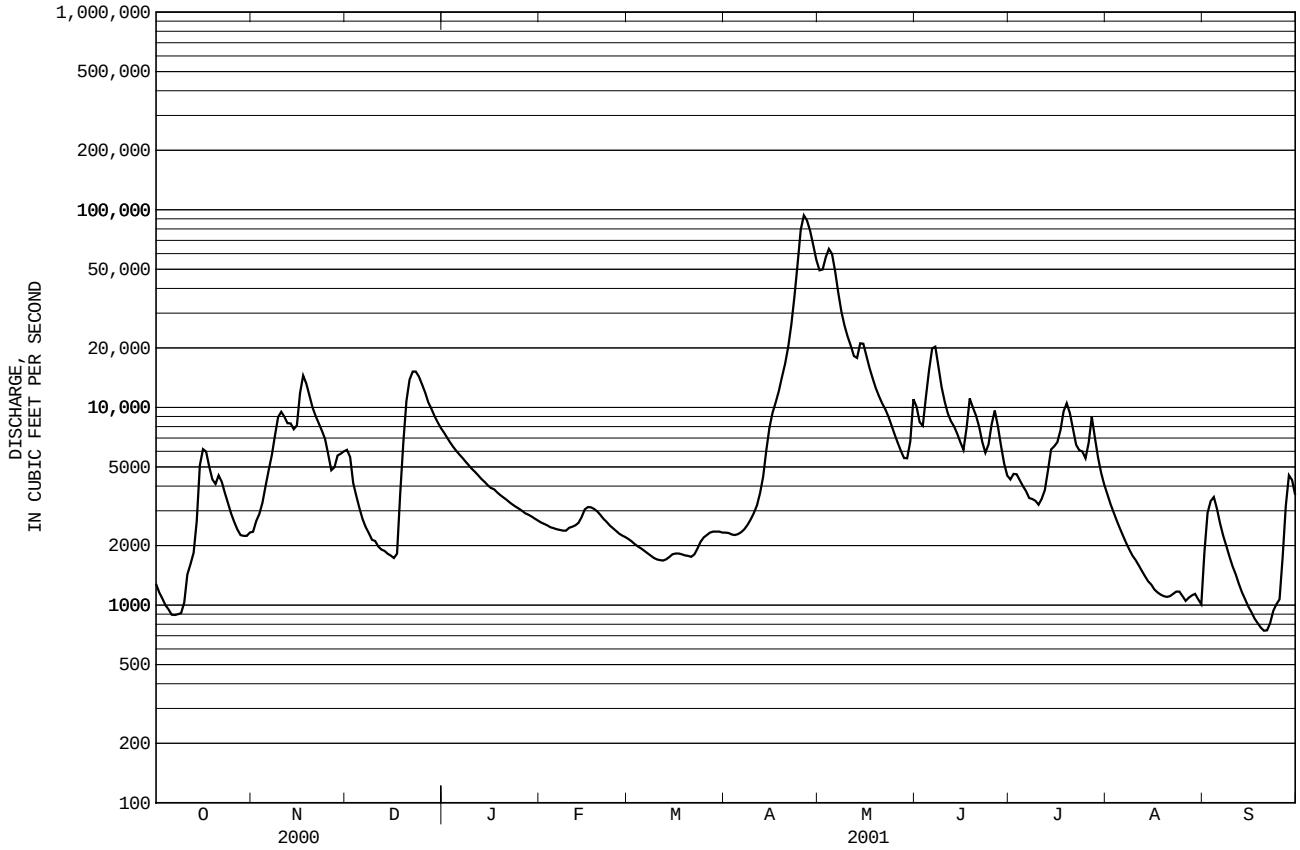
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2001, BY WATER YEAR (WY)

MEAN	6615	8574	5751	3299	2577	3634	25210	33680	10570	6295	5066	4762
MAX	19840	24220	22900	8093	12010	23590	49210	68160	21800	17250	24640	14700
(WY)	1991	1928	1951	1995	1996	1936	1983	1974	1947	1984	1981	1954
MIN	1116	1367	1232	871	562	669	3298	6464	3374	2077	910	901
(WY)	1969	1948	1956	1948	1948	1944	1944	1987	1998	1991	1968	1995

e Estimated

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1927 - 2001	
ANNUAL TOTAL	3580200		2745981			
ANNUAL MEAN	9782		7523		9694	
HIGHEST ANNUAL MEAN					14100	1928
LOWEST ANNUAL MEAN					5667	1965
HIGHEST DAILY MEAN	78000	Apr 25	93700	Apr 26	146000	Apr 30 1979
LOWEST DAILY MEAN	871	Sep 15	742	Sep 20	510	Mar 13 1948
ANNUAL SEVEN-DAY MINIMUM	898	Sep 10	808	Sep 16	513	Mar 9 1948
MAXIMUM PEAK FLOW			94700	Apr 26	151000	Apr 30 1979
MAXIMUM PEAK STAGE			21.48	Apr 26	27.31	Apr 30 1979
INSTANTANEOUS LOW FLOW			723	Sep 21		
ANNUAL RUNOFF (CFSM)	1.73		1.33		1.71	
ANNUAL RUNOFF (INCHES)	23.51		18.03		23.25	
10 PERCENT EXCEEDS	34200		14300		23000	
50 PERCENT EXCEEDS	3780		3520		4600	
90 PERCENT EXCEEDS	1580		1170		1510	



01015800 AROOSTOOK RIVER NEAR MASARDIS, ME

LOCATION.--Lat 46°31'21", long 68°22'23", Aroostook County, Hydrologic Unit 01010004, on left bank, 180 ft upstream from highway bridge, and 1.8 mi downstream from St. Croix Stream and Masardis.

DRAINAGE AREA.--892 mi^2.

PERIOD OF RECORD.--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 period of ice effect, Nov. 25 to Apr. 25, which is fair. Slight regulation by Millinocket Lake, capacity 1.11 billion ft^3, used for power. Satellite gage-height 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, 15,400 ft^3/s, Apr. 26, gage height, 14.88 ft; minimum discharge, 54 ft^3/s, Aug. 26-27, gage height, 2.47 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	106	458	e1060	e705	e315	e328	e394	7100	687	241	240	126
2	100	668	e899	e685	e320	e324	e397	6770	739	231	204	175
3	95	820	e749	e648	e322	e314	e419	6660	1130	222	178	214
4	92	858	e673	e622	e320	e311	e439	6380	2240	205	159	204
5	89	820	e600	e598	e324	e305	e454	5820	2900	194	141	184
6	88	832	e557	e575	e347	e298	e475	4920	3640	220	129	165
7	91	885	e524	e554	e348	e295	e488	4020	3570	216	122	157
8	108	879	e497	e537	e356	e288	e505	3300	2860	223	108	144
9	119	821	e480	e512	e367	e279	e519	2790	2150	225	99	130
10	151	751	e474	e502	e379	e270	e533	2420	1670	250	97	123
11	202	688	e467	e474	e425	e265	e581	2140	1340	249	95	130
12	306	633	e464	e463	e454	e260	e673	1910	1150	273	95	115
13	391	584	e464	e447	e457	e265	e806	1740	1040	317	87	102
14	426	543	e474	e442	e454	e278	e948	1580	916	335	81	91
15	441	709	e487	e427	e448	e276	e1120	1580	780	332	79	83
16	432	1650	e504	e423	e434	e295	e1320	1810	671	391	75	75
17	385	1980	e588	e412	e428	e295	e1550	1790	628	624	74	70
18	343	1790	e813	e407	e411	e295	e1830	1610	803	989	82	73
19	389	1510	e1220	e401	e400	e304	e2240	1410	845	1060	77	66
20	532	1250	e1480	e395	e384	e316	e2770	1280	762	811	71	63
21	584	1110	e1460	e385	e377	e336	e3650	1160	655	595	73	71
22	518	1000	e1360	e374	e368	e361	e4850	1050	540	457	72	79
23	451	906	e1290	e365	e357	e376	e6440	932	470	428	73	85
24	386	784	e1180	e351	e353	e386	e8950	817	444	441	71	85
25	339	e591	e1070	e344	e345	e408	e14000	722	436	558	64	93
26	304	e655	e972	e342	e343	e416	15000	642	406	729	57	396
27	275	e682	e904	e335	e337	e416	13200	569	365	638	63	1130
28	255	e863	e849	e331	e331	e416	11200	514	328	502	75	1120
29	270	e1060	e800	e324	---	e405	9620	504	286	408	86	862
30	288	e1100	e755	e316	---	e397	8050	538	256	339	80	641
31	331	---	e740	e312	---	e400	---	573	---	284	84	---
TOTAL	8887	27880	24854	14008	10504	10178	113421	75051	34707	12987	3091	7052
MEAN	287	929	802	452	375	328	3781	2421	1157	419	99.7	235
MAX	584	1980	1480	705	457	416	15000	7100	3640	1060	240	1130
MIN	88	458	464	312	315	260	394	504	256	194	57	63
CFSM	.32	1.04	.90	.51	.42	.37	4.24	2.71	1.30	.47	.11	.26
IN.	.37	1.16	1.04	.58	.44	.42	4.73	3.13	1.45	.54	.13	.29

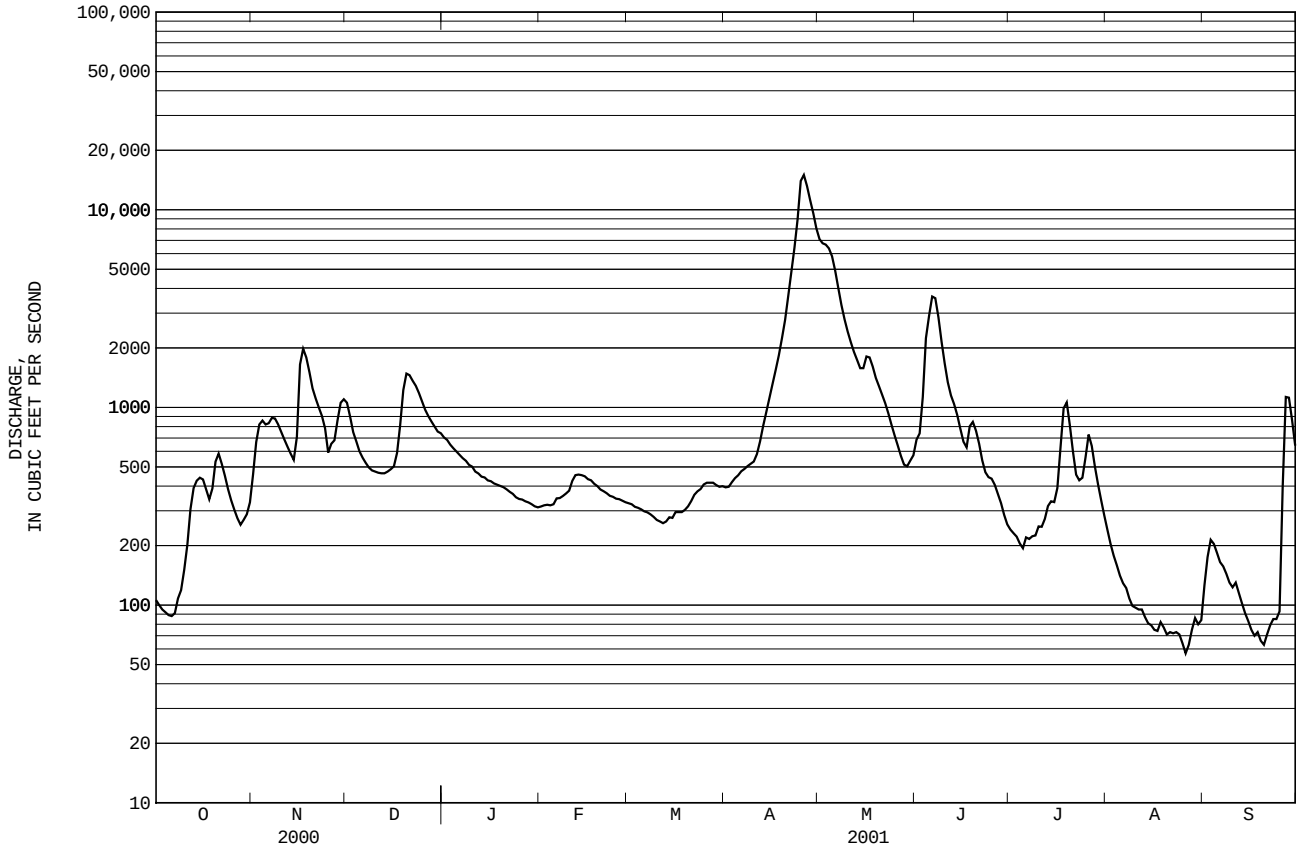
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2001, BY WATER YEAR (WY)

MEAN	1025	1421	1045	615	613	820	4541	4414	1298	675	601	668
MAX	4451	5212	2823	1576	2085	3749	10380	11250	3591	2089	2380	2939
(WY)	1982	1964	1958	1996	1996	1979	1976	1961	1984	1962	1981	1999
MIN	201	369	242	257	206	198	1055	1061	301	77.5	79.5	61.5
(WY)	1969	1979	1998	1982	1972	1993	1967	1987	1988	1991	1968	1995

e Estimated

01015800 AROOSTOOK RIVER NEAR MASARDIS, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1957 - 2001	
ANNUAL TOTAL	546025		342620			
ANNUAL MEAN	1492		939		1479	
HIGHEST ANNUAL MEAN					2133	1976
LOWEST ANNUAL MEAN					818	1985
HIGHEST DAILY MEAN	15400	Apr 25	15000	Apr 26	22100	Apr 19 1983
LOWEST DAILY MEAN	88	Oct 6	57	Aug 26	42	Sep 27 1968
ANNUAL SEVEN-DAY MINIMUM	94	Oct 1	68	Aug 21	44	Sep 26 1968
MAXIMUM PEAK FLOW			15400	Apr 26	23100	Apr 19 1983
MAXIMUM PEAK STAGE			14.88	Apr 26	18.00	Apr 18 1994
INSTANTANEOUS LOW FLOW			54	Aug 26	41	Sep 26 1968
ANNUAL RUNOFF (CFSM)	1.67		1.05		1.66	
ANNUAL RUNOFF (INCHES)	22.77		14.29		22.53	
10 PERCENT EXCEEDS	4830		1700		3690	
50 PERCENT EXCEEDS	518		434		650	
90 PERCENT EXCEEDS	196		95		221	



01017000 AROOSTOOK RIVER AT WASHBURN, ME

LOCATION.--Lat 46°46'36", long 68°09'29", Aroostook County, Hydrologic Unit 01010004, on right bank 50 ft upstream from Bangor and Aroostook Railroad bridge, 0.1 mi downstream from Salmon Brook, and 1.0 mi south of railroad station at Washburn.

DRAINAGE AREA.--1,654 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 period of ice effect, Nov. 25 to Apr. 24, which is fair. Considerable regulation by Squa Pan Lake, capacity 2.893 billion ft^3, used for power. Satellite gage-height 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, 25,800 ft^3/s, Apr. 26, gage height, 10.61 ft; minimum daily discharge, 106 ft^3/s, Sept. 19-20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	229	728	e1880	e1310	e760	e888	e708	12300	1050	479	448	196
2	217	1020	e1690	e1270	e564	e626	e853	11700	1120	452	396	246
3	209	1300	e1220	e1200	e573	e610	e829	11800	1570	427	350	281
4	202	1420	e1030	e1160	e800	e845	e832	11700	3830	406	312	307
5	195	1400	e1000	e1100	e819	e854	e879	10800	5540	409	285	290
6	195	1410	e969	e1050	e862	e845	e1170	9180	6520	441	257	263
7	201	1520	e942	e1280	e906	e859	e1220	7430	7200	444	231	235
8	207	1540	e936	e1250	e959	e837	e1050	6060	6470	412	216	221
9	216	1470	e923	e1220	e692	e567	e1070	5070	5110	415	201	206
10	292	1350	e910	e1180	e737	e553	e1100	4340	3880	455	191	190
11	400	1240	e903	e1110	e906	e891	e1140	3800	2990	478	175	204
12	522	1130	e929	e914	e1020	e891	e1290	3360	2440	469	169	190
13	634	1060	e910	e894	e1110	e867	e1470	2980	2180	488	166	175
14	712	990	e903	e1040	e1070	e884	e1750	2700	1900	519	155	157
15	726	1230	e891	e988	e1060	e913	e2040	2630	1600	526	143	142
16	722	2690	e885	e1000	e807	e571	e2400	2940	1360	566	137	131
17	691	3720	e997	e934	e802	e588	e2860	2930	1200	909	135	120
18	641	3510	e1520	e944	e1010	e828	e3380	2670	1660	1470	133	110
19	669	3010	e2240	e748	e1010	e962	e4140	2340	1840	1850	132	106
20	785	2500	e2710	e742	e991	e707	e5130	2100	1590	1530	130	106
21	924	2140	e2730	e908	e975	e640	e6720	1900	1330	1150	140	107
22	894	1900	e2530	e880	e965	e705	e8960	1700	1100	905	143	116
23	807	1700	e2370	e842	e690	e728	e11700	1520	943	881	133	139
24	717	1500	e2190	e840	e675	e760	e16700	1340	875	842	122	147
25	633	e1100	e1990	e780	e900	e777	23500	1180	893	814	112	152
26	573	e1080	e1800	e593	e928	e794	25400	1050	839	974	108	484
27	527	e1260	e1670	e595	e895	e811	23800	938	736	1010	107	1430
28	482	e1490	e1560	e761	e877	e828	20200	845	640	853	117	1770
29	493	e1820	e1480	e740	---	e785	17000	805	569	709	130	1440
30	508	e1970	e1420	e743	---	e811	14100	813	520	597	134	1100
31	558	---	e1370	e740	---	e801	---	912	---	514	133	---
TOTAL	15781	50198	45498	29756	24363	24026	203391	131833	69495	22394	5741	10761
MEAN	509	1673	1468	960	870	775	6780	4253	2316	722	185	359
MAX	924	3720	2730	1310	1110	962	25400	12300	7200	1850	448	1770
MIN	195	728	885	593	564	553	708	805	520	406	107	106

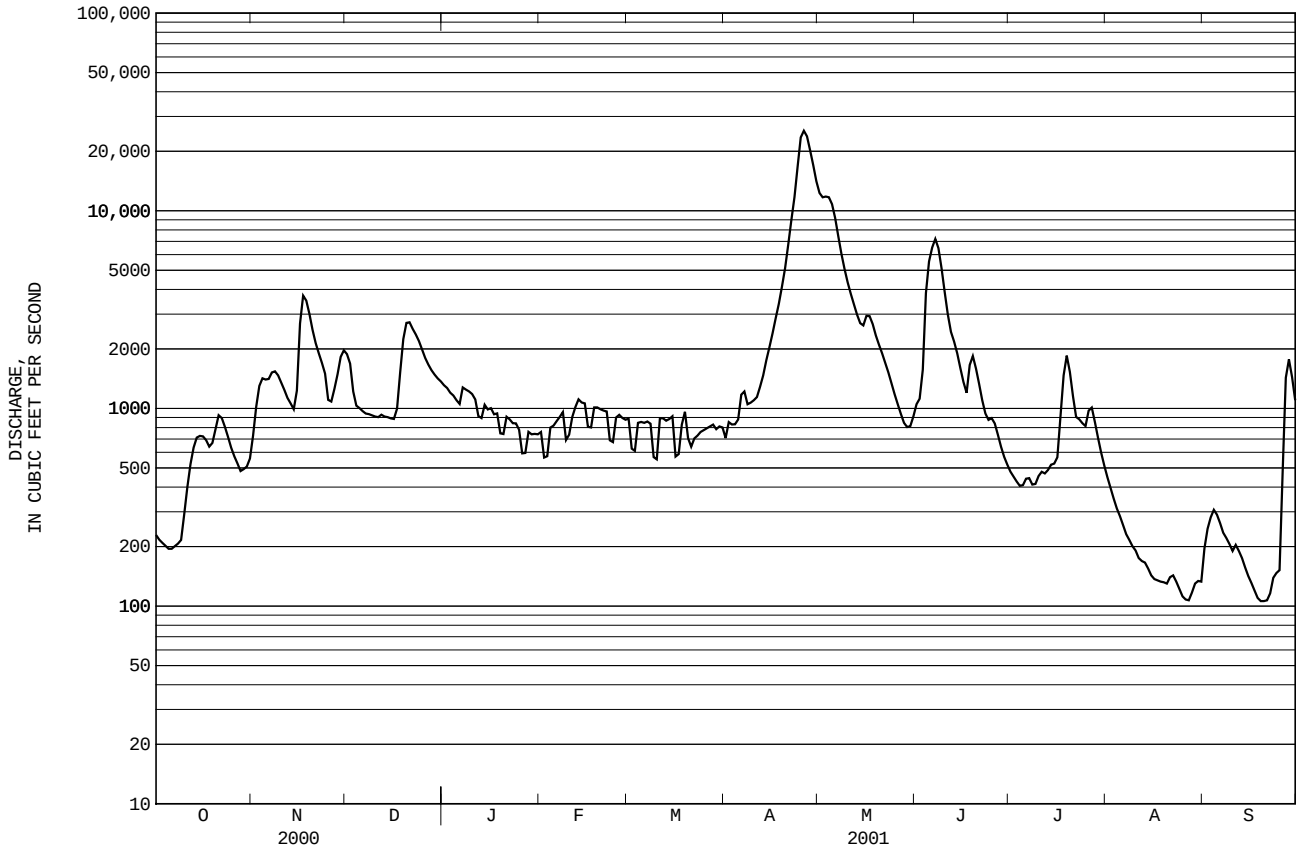
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2001, BY WATER YEAR (WY)

MEAN	1739	2513	1865	1090	1058	1504	8217	7891	2471	1349	1015	1123
MAX	8098	9767	7975	2893	3864	10440	16990	20350	6928	5882	5728	5321
(WY)	1982	1964	1951	1996	1996	1936	1976	1961	1984	1954	1981	1999
MIN	265	218	175	167	101	324	1468	1775	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1930 - 2001	
ANNUAL TOTAL	981092		633237			
ANNUAL MEAN	2681		1735		2656	
HIGHEST ANNUAL MEAN					4145	1954
LOWEST ANNUAL MEAN					1409	1957
HIGHEST DAILY MEAN	25400	Apr 25	25400	Apr 26	42500	Apr 19 1983
LOWEST DAILY MEAN	195	Oct 5	106	Sep 19	75	Feb 13 1948
ANNUAL SEVEN-DAY MINIMUM	204	Oct 3	114	Sep 16	78	Feb 9 1948
MAXIMUM PEAK FLOW			25800	Apr 26	43400	Apr 19 1983
MAXIMUM PEAK STAGE			10.61	Apr 26	20.91	Dec 24 1973
10 PERCENT EXCEEDS	8510		2980		6820	
50 PERCENT EXCEEDS	926		894		1170	
90 PERCENT EXCEEDS	351		191		390	



01017550 WILLIAMS BROOK AT PHAIR, ME

LOCATION.--Lat 46°37'37", long 67°57'12" North American Datum of 1983, 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.

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

REMARKS.--Records good, except for period of ice effect, Dec. 17 to Apr. 11, period of no gage-height record, Mar. 2-11, and periods of doubtful stage-discharge relation, May 12, 16-18, Jun. 13-14, Jun. 25 to Jul. 17, Aug. 20 to Sept. 6 and Sept. 11-13, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 135 ft^3/s, Apr. 23, 2001, gage height, 4.22 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 23	0330	*135	*4.22	No other peak greater than base discharge			

Minimum discharge, 0.19 ft^3/s, Aug. 16 and 25, gage height, 1.10 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.53	3.2	2.8	e1.9	e.95	e.75	e.86	14	6.6	e.46	.60	e3.6
2	.56	2.7	2.1	e1.9	e.95	e.73	e.86	15	5.1	e.42	.65	e2.2
3	.56	1.7	1.6	e1.8	e.95	e.72	e.83	14	12	e.40	.44	e1.4
4	.55	1.3	1.5	e1.7	e.95	e.71	e.82	12	11	e.44	.47	e1.1
5	.57	1.3	1.4	e1.7	e.95	e.70	e.89	9.9	8.9	e.60	.46	e2.4
6	.54	3.2	1.4	e1.6	e.95	e.69	e.97	7.7	7.0	e1.0	.43	e1.2
7	.58	2.8	1.2	e1.5	e.95	e.68	e1.1	6.6	4.9	e.91	.45	.75
8	.79	1.8	1.1	e1.4	e.94	e.75	e1.1	6.6	3.5	e.88	.37	.57
9	.88	1.5	.97	e1.4	e.94	e.74	e1.2	6.0	2.7	e.93	.37	.50
10	2.3	1.3	1.0	e1.4	e1.1	e.69	e1.5	5.7	2.7	e1.3	.40	.44
11	2.9	1.3	1.1	e1.3	e1.1	e.66	e2.2	5.3	2.3	e1.1	.39	e.57
12	1.5	1.2	1.4	e1.3	e1.0	e.64	4.0	e4.8	2.1	e1.2	.35	e.41
13	1.1	1.1	1.4	e1.2	e1.0	e.63	6.2	4.5	e2.0	e1.4	.27	e.29
14	.92	1.1	1.3	e1.2	e.98	e.62	8.3	4.2	e1.8	e2.0	.39	.24
15	.80	7.1	1.3	e1.2	e.96	e.62	9.8	9.1	1.7	e3.0	.31	.24
16	.74	6.8	1.3	e1.2	e.94	e.62	11	e6.8	1.6	e4.0	.26	.27
17	.81	3.5	e3.0	e1.1	e.92	e.63	15	e5.2	1.6	e5.2	.32	.28
18	.81	2.4	e42	e1.1	e.91	e.64	19	e4.3	1.8	4.3	.34	.28
19	2.9	1.8	e12	e1.1	e.90	e.67	21	4.0	1.6	2.2	.29	.32
20	1.9	1.7	e7.3	e1.1	e.89	e.81	23	3.9	1.6	1.4	e.34	.28
21	1.3	1.8	e5.6	e1.0	e.87	e.92	36	3.2	1.4	1.1	e.34	.30
22	1.1	1.6	e4.6	e1.0	e.85	e.99	74	2.8	1.4	1.3	e.33	.38
23	.93	1.5	e3.9	e1.0	e.84	e.96	117	2.4	1.5	2.1	e.30	.74
24	.90	1.4	e3.3	e1.0	e.83	e.92	85	2.3	1.6	1.4	e.27	.51
25	.86	1.3	e3.0	e1.0	e.81	e.88	60	2.0	e1.5	1.3	e.24	.42
26	.76	1.3	e2.7	e.99	e.80	e.84	32	1.8	e1.2	1.1	e.25	7.8
27	.74	3.0	e2.6	e.98	e.78	e.83	26	1.7	e.90	.91	e.31	3.2
28	.78	4.4	e2.4	e.97	e.76	e.82	21	1.6	e.67	.83	e.43	2.0
29	.86	4.0	e2.3	e.97	---	e.82	15	2.2	e.54	.74	e.90	1.3
30	1.0	3.6	e2.2	e.96	---	e.81	14	2.0	e.49	.75	e.68	.94
31	2.1	---	e2.0	e.96	---	e.86	---	6.2	---	.74	e.51	---
TOTAL	33.57	72.7	121.77	38.93	25.77	23.35	609.63	177.8	93.70	45.41	12.46	34.93
MEAN	1.08	2.42	3.93	1.26	.92	.75	20.3	5.74	3.12	1.46	.40	1.16
MAX	2.9	7.1	42	1.9	1.1	.99	117	15	12	5.2	.90	7.8
MIN	.53	1.1	.97	.96	.76	.62	.82	1.6	.49	.40	.24	.24
CFSM	.28	.63	1.03	.33	.24	.20	5.32	1.50	.82	.38	.11	.30
IN.	.33	.71	1.19	.38	.25	.23	5.94	1.73	.91	.44	.12	.34

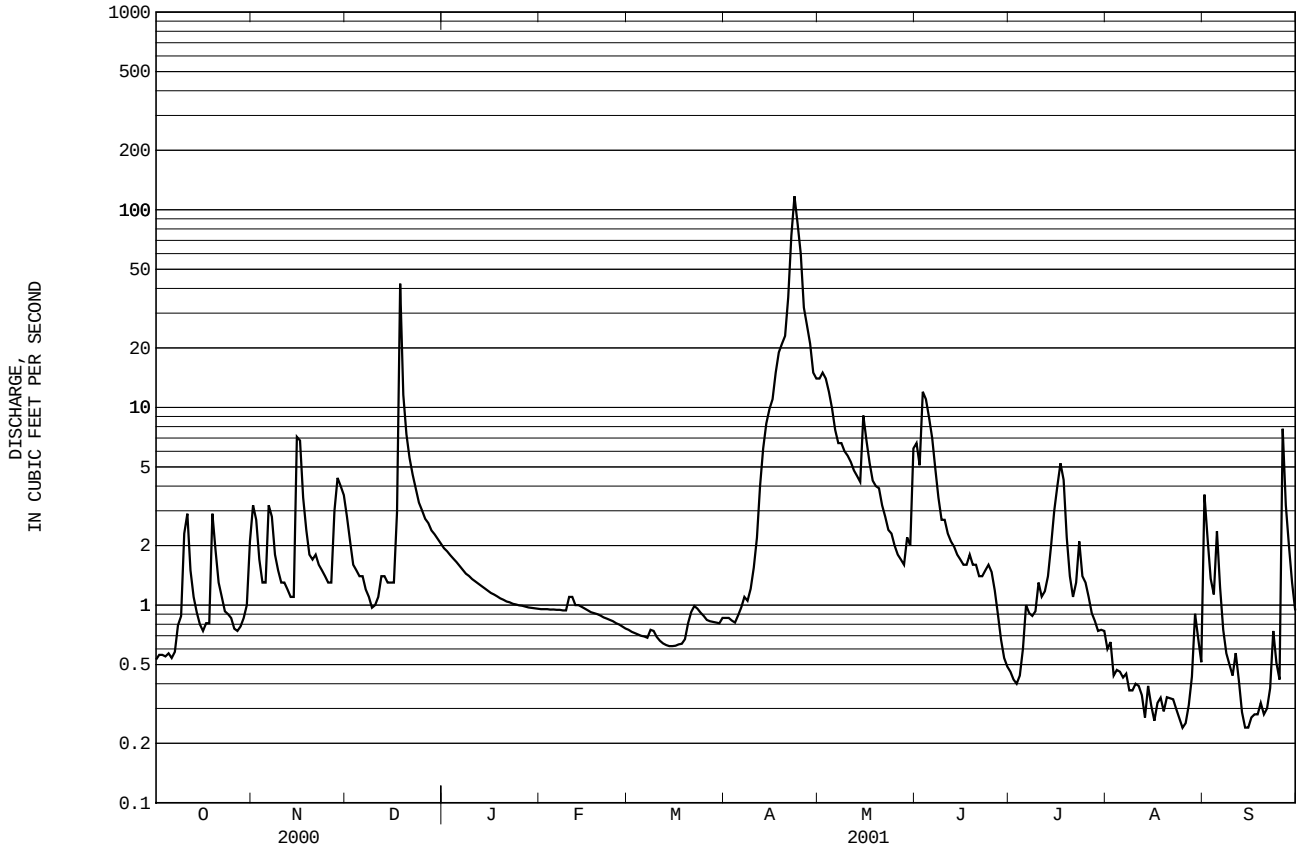
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	1.08	5.29	6.06	1.79	1.28	8.46	24.3	9.05	2.92	1.76	.75	.89
MAX	1.08	8.16	8.19	2.33	1.62	16.2	28.3	12.4	3.12	2.05	1.11	1.16
(WY)	2001	2000	2000	2000	2000	2000	2000	2000	2001	2000	2000	2001
MIN	1.08	2.42	3.93	1.26	.92	.75	20.3	5.74	2.72	1.46	.40	.63
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2000	2001	2001	2000

e Estimated

01017550 WILLIAMS BROOK AT PHAIR, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR			
ANNUAL TOTAL	2280.06		1290.02			
ANNUAL MEAN	6.23		3.53		3.53	
HIGHEST ANNUAL MEAN					3.53	2001
LOWEST ANNUAL MEAN					3.53	2001
HIGHEST DAILY MEAN	84	Mar 29	117	Apr 23	117	Apr 23 2001
LOWEST DAILY MEAN	.52	Sep 23	.24	Aug 25	.24	Aug 25 2001
ANNUAL SEVEN-DAY MINIMUM	.55	Sep 6	.27	Sep 14	.27	Sep 14 2001
MAXIMUM PEAK FLOW			135	Apr 23	135	Apr 23 2001
MAXIMUM PEAK STAGE			4.22	Apr 23	4.22	Apr 23 2001
INSTANTANEOUS LOW FLOW			.19	Aug 16	.19	Aug 16 2001
ANNUAL RUNOFF (CFSM)	1.63		.93		.93	
ANNUAL RUNOFF (INCHES)	22.20		12.56		12.57	
10 PERCENT EXCEEDS	17		6.6		14	
50 PERCENT EXCEEDS	1.8		1.1		1.6	
90 PERCENT EXCEEDS	.71		.44		.58	



01018500 ST. CROIX RIVER AT VANCEBORO, ME

(International gaging station)

LOCATION.--Lat 45°34'08", long 67°25'47", Washington County, Hydrologic Unit 01050001, on right bank at international highway bridge in Vanceboro and 400 ft downstream from outlet of Spednik Lake.

DRAINAGE AREA.--413 mi^2.

PERIOD OF RECORD.--Discharge: October 1928 to current year.

Chemical analyses: Water year 1955.

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

GAGE.--Water-stage recorder. Datum of gage is 367.75 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharge. Records good. Flow regulated by Chiputneticook Lakes, combined usable capacity about 13.2 billion ft^3. Final regulation is at Spednik Lake Dam, 400 ft upstream. Telephone and satellite gage-height telemeters at station.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 946 ft^3/s, Sept. 1, gage height, 5.65 ft; minimum daily discharge, 215 ft^3/s, Apr. 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

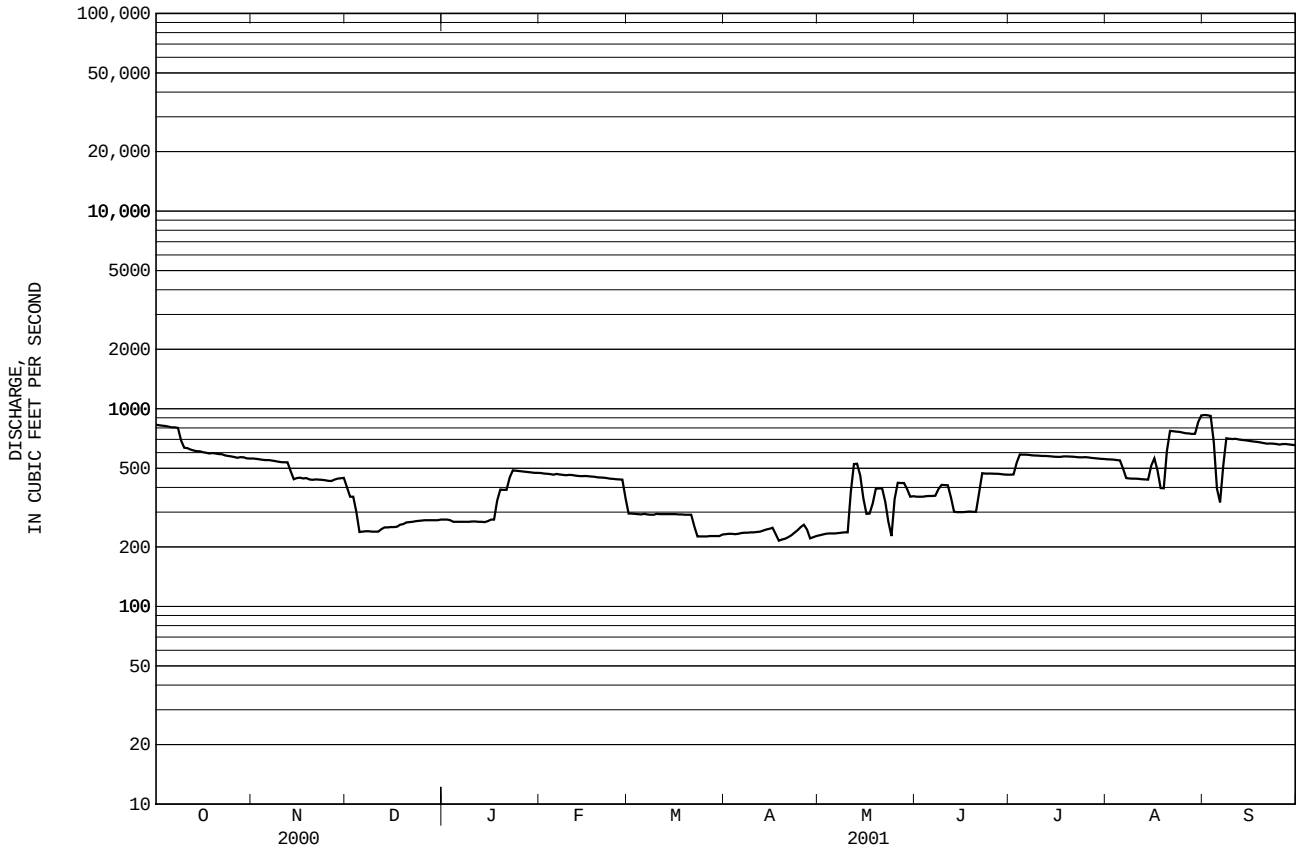
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	830	560	401	275	473	295	232	229	359	464	555	930
2	825	558	359	275	470	295	233	231	359	465	554	927
3	821	555	359	273	469	294	233	233	359	533	553	920
4	818	552	301	268	467	293	232	234	361	587	550	673
5	812	550	238	268	464	292	233	234	362	586	548	394
6	805	550	239	268	468	294	235	234	362	586	498	336
7	805	547	240	268	465	292	236	235	363	584	446	513
8	800	544	240	268	463	291	236	236	392	581	444	709
9	691	540	239	268	461	291	237	237	412	580	443	705
10	635	537	239	269	463	294	237	237	411	579	443	703
11	632	536	239	269	462	293	238	379	410	577	442	705
12	622	536	246	268	459	293	239	525	356	577	440	699
13	615	484	251	268	457	293	242	527	301	576	439	695
14	610	440	251	267	456	293	245	460	300	574	438	693
15	609	446	252	270	457	293	247	353	300	572	516	689
16	603	448	252	275	456	293	250	294	300	571	561	685
17	599	444	253	275	454	292	232	295	301	571	488	682
18	594	446	259	343	453	292	215	332	302	574	397	679
19	597	439	261	390	450	291	218	394	301	574	396	675
20	594	437	266	389	449	291	220	395	301	573	610	670
21	590	439	267	389	448	291	224	396	376	572	773	666
22	589	438	268	449	446	254	229	339	472	570	770	667
23	581	437	270	488	443	226	236	268	470	568	766	666
24	577	435	271	486	442	226	243	227	470	568	764	663
25	574	432	272	484	440	226	252	349	470	569	758	659
26	570	431	273	482	439	226	259	422	469	567	752	663
27	565	438	273	480	438	227	245	421	469	564	750	663
28	569	443	273	478	354	227	221	421	467	562	746	660
29	568	445	273	476	---	227	224	392	465	560	747	657
30	561	447	273	474	---	227	227	359	464	558	856	654
31	560	---	275	474	---	231	---	361	---	557	925	---
TOTAL	20221	14534	8373	10874	12666	8443	7050	10249	11504	17499	18368	20300
MEAN	652	484	270	351	452	272	235	331	383	564	593	677
MAX	830	560	401	488	473	295	259	527	472	587	925	930
MIN	560	431	238	267	354	226	215	227	300	464	396	336

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

MEAN	558	463	522	747	845	703	690	983	878	814	764	673
MAX	1410	1427	2572	1646	3034	1879	2566	2801	1746	1680	1646	1530
(WY)	1974	1982	1960	1955	1978	1996	1976	1945	1952	1984	1984	1989
MIN	121	112	152	234	222	192	75.4	193	219	228	301	216
(WY)	1945	1937	1936	1999	1948	1948	1938	1943	1985	1966	1965	1966

01018500 ST. CROIX RIVER AT VANCEBORO, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	319434		160081			
ANNUAL MEAN	873		439		719	
HIGHEST ANNUAL MEAN					1203	1960
LOWEST ANNUAL MEAN					335	1985
HIGHEST DAILY MEAN	3580	Apr 13	930	Sep 1	6210	Jun 3 1984
LOWEST DAILY MEAN	227	Mar 9	215	Apr 18	1.9	Oct 12 1936
ANNUAL SEVEN-DAY MINIMUM	233	Mar 8	225	Apr 17	2.0	Oct 11 1936
MAXIMUM PEAK FLOW			946	Sep 1	6730	Jun 3 1984
MAXIMUM PEAK STAGE			5.65	Sep 1	11.28	Jun 3 1984
10 PERCENT EXCEEDS	1830		671		1360	
50 PERCENT EXCEEDS	703		440		598	
90 PERCENT EXCEEDS	252		237		225	



01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME

LOCATION.--Lat 45°10'23", long 67°46'06", 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.

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. 9, 12-13, 15-16, Dec. 23 to Jan. 2, Jan. 31 to Feb. 1, Feb. 6, 10-12, 17-18, and 21-22. 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 gage-height telemeters at station.

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

REVISIONS.--The maximum discharges for water years 1952, 1954-55, 1958, 1960, 1983-84, and 1989 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)
1952	Jun. 12, 1952	2,310	6.35	1960	Jun. 14, 1960	2,040	5.70
1954	May 19, 1954	2,010	5.65	1983	Apr. 25, 1983	2,870	6.69
1955	May 19, 1955	1,840	5.34	1984	Jun. 02, 1984	2,500	6.20
1958	May 09, 1958	1,990	5.61	1989	May 14, 1989	2,480	6.17

Daily dicharges for water years 1952, 1954, and 1960 have been revised, as shown in the following table. These values supersed those published in the report for those years.

Jun. 12, 1952.....2,300	Apr. 23, 1954.....1,770	Dec. 14, 1959.....1,920
13 2,370	24 1,890	15 1,880
14 1,820	25 1,860	16 1,890
	26 1,880	17 1,930
	27 1,870	18 1,920
	28 1,840	19 1,880

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 461 ft^3/s, Aug. 20, gage height, 2.78 ft; maximum gage height, 4.85 ft, Feb. 11 (backwater from ice); minimum daily discharge, 117 ft^3/s, Dec. 11-13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	120	120	e124	e128	128	135	160	138	240	320	422
2	279	120	120	e124	128	128	135	161	139	240	317	419
3	278	120	120	124	127	128	136	160	140	237	317	413
4	276	120	120	124	127	128	238	158	140	237	314	409
5	272	120	120	124	127	128	318	159	140	237	314	411
6	271	120	120	125	e128	129	317	158	140	236	311	403
7	271	120	119	126	128	128	317	158	139	234	310	398
8	269	120	119	126	128	128	315	158	140	233	310	396
9	267	120	e118	126	128	128	314	158	140	231	310	392
10	269	120	118	126	e128	129	315	158	140	283	309	386
11	266	120	117	126	e128	129	317	157	140	328	308	384
12	263	120	e117	126	e128	128	318	157	140	328	307	380
13	260	120	e117	126	128	130	322	156	140	328	307	375
14	257	120	118	126	128	131	325	152	140	328	305	370
15	257	121	e118	126	128	130	329	140	141	328	303	365
16	253	120	e118	126	128	130	302	140	143	328	301	363
17	250	120	120	126	e128	130	268	140	143	328	299	357
18	228	120	124	126	e128	130	255	140	145	332	297	354
19	199	120	122	126	128	130	256	140	143	331	296	350
20	147	120	123	126	128	130	259	140	144	331	399	343
21	122	120	122	126	e128	132	264	140	143	330	461	339
22	122	120	122	126	e128	131	268	140	143	328	458	339
23	120	120	e123	126	128	132	274	140	143	328	453	339
24	120	119	e123	126	128	131	242	140	143	328	449	337
25	120	118	e123	126	128	131	194	140	146	328	443	334
26	120	118	e123	126	128	133	195	140	147	327	435	344
27	120	122	e123	126	128	132	184	140	160	324	431	313
28	120	120	e123	125	128	131	158	140	237	323	429	244
29	120	120	e123	124	---	133	158	140	240	321	429	243
30	120	120	e123	125	---	133	158	140	240	321	421	240
31	120	---	e123	e127	---	136	---	139	---	321	414	---
TOTAL	6436	3598	3739	3892	3581	4035	7586	4589	4557	9277	11077	10762
MEAN	208	120	121	126	128	130	253	148	152	299	357	359
MAX	280	122	124	127	128	136	329	161	240	332	461	422
MIN	120	118	117	124	127	128	135	139	138	231	296	240

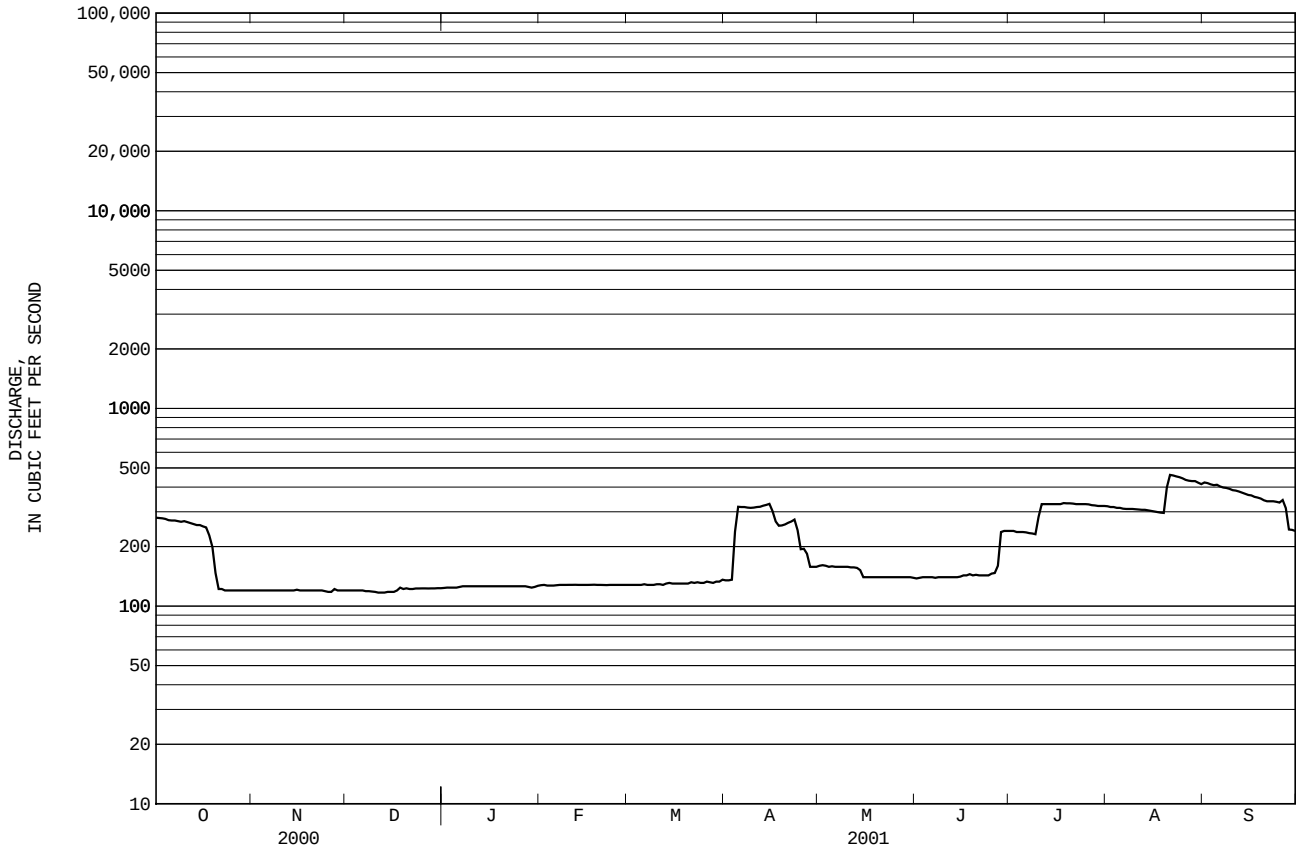
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

MEAN	342	212	244	363	477	461	340	404	448	424	475	454
MAX	890	666	1261	1096	1330	1117	1248	1127	1159	843	1173	933
(WY)	1948	1982	1960	1970	1964	1960	1936	1945	1971	1959	1952	1942
MIN	84.5	39.4	20.3	87.8	47.5	39.4	49.7	17.7	54.9	102	129	103
(WY)	1950	1946	1946	1932	1930	1930	1931	1931	1931	1942	1936	1949

e Estimated

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	152356		73129			
ANNUAL MEAN	416		200		388	
HIGHEST ANNUAL MEAN					697	1960
LOWEST ANNUAL MEAN					178	1931
HIGHEST DAILY MEAN	1590	Mar 30	461	Aug 21	2580	Apr 26 1983
LOWEST DAILY MEAN	117	Dec 11	117	Dec 11	5.0	Dec 3 1945
ANNUAL SEVEN-DAY MINIMUM	118	Dec 9	118	Dec 9	6.4	Dec 1 1945
MAXIMUM PEAK FLOW			461	Aug 20	2870	Apr 25 1983
MAXIMUM PEAK STAGE			4.85	Feb 11	6.69	Apr 25 1983
10 PERCENT EXCEEDS	640		338		812	
50 PERCENT EXCEEDS	408		140		289	
90 PERCENT EXCEEDS	120		120		120	



01021000 ST. CROIX RIVER AT BARING, ME

(International gaging station)

LOCATION.--Lat 45°08'12", 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, including periods of ice effect, Dec. 9-10, 12, 24, 26-29, 31, Jan. 11-13, 15, 18-19, 22-23, 27, 29, Feb. 1, 6, 11-14, 16, 19, 22-25, Feb. 28 to Mar. 1, and Mar. 3-4. 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 gage-height 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, 11,800 ft^3/s, Apr. 24, gage height, 10.27 ft; minimum daily discharge, 800 ft^3/s, Jan. 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1030	1360	1670	1230	e834	e868	1460	3890	1110	933	998	920
2	1040	999	1670	1230	835	1080	1100	3540	1090	916	1210	912
3	1060	1150	1590	1230	831	e890	999	2760	1120	933	989	890
4	1020	976	1480	1210	827	e911	1040	3170	1610	1140	1020	899
5	1080	1060	1190	1170	829	906	1480	3240	1380	983	1030	927
6	1340	1070	1170	1150	e827	914	1640	2930	1960	974	1030	887
7	1230	1070	1170	1140	826	926	1760	2940	1350	924	1050	883
8	1670	1120	1170	1130	832	1530	1540	2950	1100	977	1800	883
9	1440	1010	e1100	1130	825	1220	1550	2990	1080	958	1250	890
10	1230	958	e1070	1150	822	880	1570	2790	1080	1250	1320	890
11	1400	960	952	e1060	e1010	858	1810	2540	1070	1110	1080	1130
12	1400	964	e990	e958	e934	858	2380	2350	1070	1140	998	1580
13	1370	935	1060	e915	e854	1420	2870	2280	1090	1010	977	882
14	1190	900	1310	890	e859	1730	2990	1850	1050	1000	958	894
15	1100	1010	1410	e872	892	2060	3320	2370	1230	921	973	892
16	1020	1060	1340	849	e861	1690	3230	2040	1070	912	982	895
17	985	995	1450	817	858	870	3330	1920	1060	912	1050	894
18	935	1030	1870	e800	870	913	3650	995	1340	1120	989	901
19	1060	939	1970	e807	e861	1400	3530	1200	1080	1240	931	907
20	1060	904	1510	808	848	1630	3890	1130	995	1120	1130	923
21	1050	957	1120	803	817	1600	5040	1170	983	1060	1030	963
22	1090	985	1180	e813	e847	1740	5360	1380	1020	1050	966	1080
23	1030	993	1570	e890	e870	1930	7320	1910	1010	1050	964	959
24	982	1050	e1540	883	e876	1840	10100	1390	976	1310	953	947
25	945	1040	1430	864	e878	1610	10900	1570	972	1320	926	944
26	950	1230	e1350	831	884	1610	11000	1490	947	1080	919	974
27	1010	1800	e1380	e820	867	1230	9230	1340	962	1070	935	999
28	972	1830	e1370	819	e861	1010	7990	1260	963	1070	924	1040
29	1020	2060	e1310	e820	---	987	6410	1170	908	1010	909	950
30	1080	1960	1270	877	---	1350	5210	1090	905	1000	895	947
31	1080	---	e1240	853	---	1540	---	1130	---	999	891	---
TOTAL	34869	34375	41902	29819	24035	40001	123699	64775	33581	32492	32077	28682
MEAN	1125	1146	1352	962	858	1290	4123	2090	1119	1048	1035	956
MAX	1670	2060	1970	1230	1010	2060	11000	3890	1960	1320	1800	1580
MIN	935	900	952	800	817	858	999	995	905	912	891	882

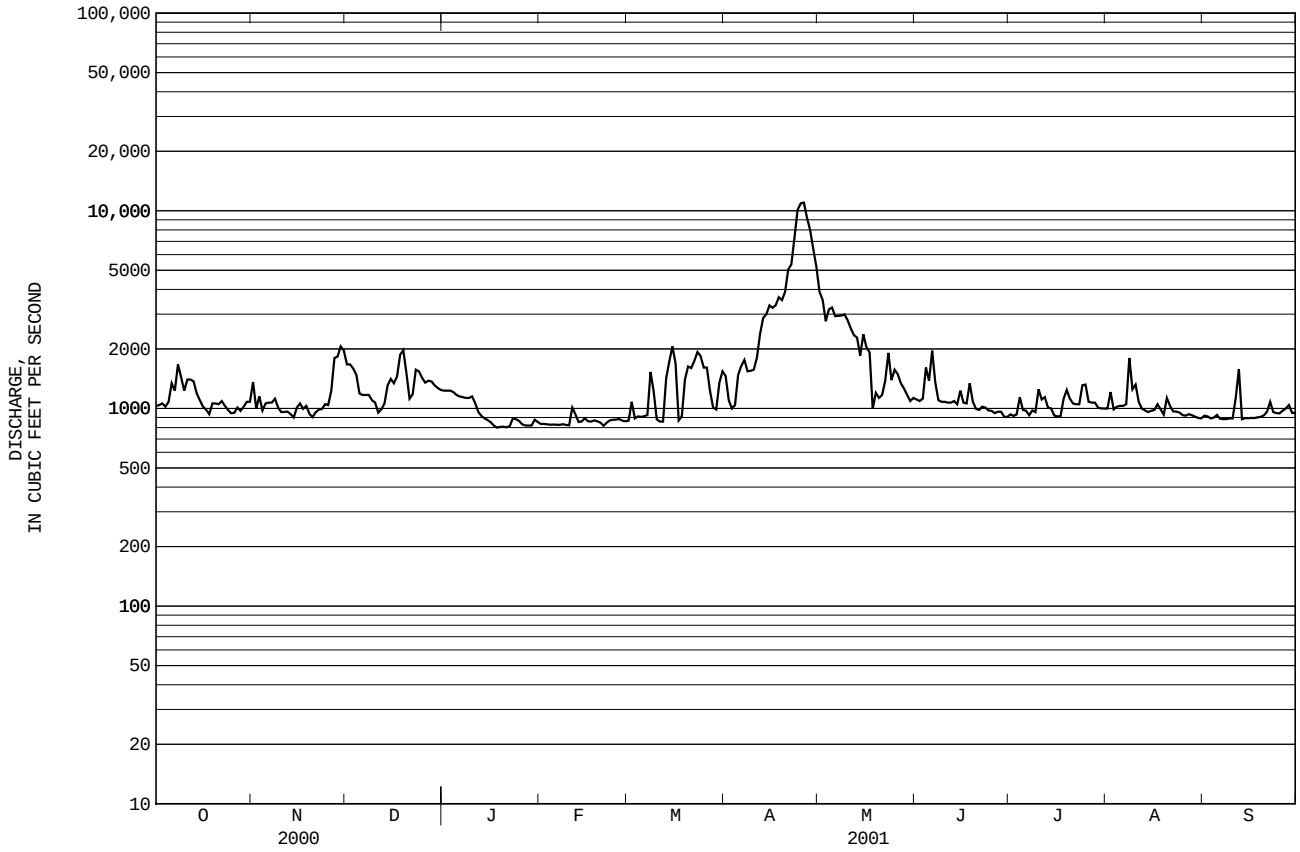
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2001, BY WATER YEAR (WY)

MEAN	1813	2280	2681	2347	2688	3087	5253	3722	2345	1715	1604	1664
MAX	3865	5679	8397	5303	6031	8009	9438	7403	6054	5042	2987	3269
(WY)	1982	1964	1960	1978	1978	1998	1976	1989	1977	1996	1981	1981
MIN	555	381	853	837	858	1236	2024	1076	967	652	636	855
(WY)	1965	1965	1979	1985	2001	1993	1985	1987	1966	1966	1966	1978

e Estimated

01021000 ST. CROIX RIVER AT BARING, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1960 - 2001	
ANNUAL TOTAL	938323		520307			
ANNUAL MEAN	2564		1425		2596	
HIGHEST ANNUAL MEAN					3863	1960
LOWEST ANNUAL MEAN					1280	1985
HIGHEST DAILY MEAN	11900	Mar 30	11000	Apr 26	23200	May 29 1961
LOWEST DAILY MEAN	900	Nov 14	800	Jan 18	262	Oct 20 1964
ANNUAL SEVEN-DAY MINIMUM	962	Nov 9	814	Jan 16	327	Nov 6 1964
MAXIMUM PEAK FLOW			11800	Apr 24	23500	May 29 1961
MAXIMUM PEAK STAGE			10.27	Apr 24	12.76	May 29 1961
10 PERCENT EXCEEDS	4470		2000		4840	
50 PERCENT EXCEEDS	1960		1060		2120	
90 PERCENT EXCEEDS	1030		869		963	



01021050 ST. CROIX RIVER AT MILLTOWN, ME

LOCATION.--Lat 45°10'11", long 67°17'50", 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.

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 right bank, and 1.5 ft above river bed.

REMARKS.--Monitor not operated during period October to May. Records good, except for the periods June 13 to June 27, July 11 to Aug. 17, which are fair, for dissolved oxygen. Interruptions in the record were due to malfunctions of the monitor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

Specific conductance: Maximum, 375 µS/cm, Mar. 6, 1989; minimum, 23 µS/cm, May 2-4, 6, 1979.
pH: Maximum, 11.6 units, Sept. 28, 1974; minimum, 5.3 units, Oct. 18, 1973.
Water temperature: Maximum, 28.0°C, July 21-22, 1977; 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, 157 µS/cm, Sept. 10; minimum, 65 µS/cm, Sept. 15.
pH: Maximum, 7.2 units, on many days during period; minimum, 6.6 units, on many days during period.
Water temperature: Maximum, 27.0°C, June 27; minimum, 15.1°C, June 3.
Dissolved oxygen: Maximum, 9.5 mg/L, July 27; minimum, 6.1 mg/L, July 1 and Aug. 11.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	101	95	98	142	132	137	---	---	---	129	121	126
2	101	94	99	145	134	139	138	126	132	133	125	129
3	107	98	103	137	134	135	128	114	120	133	121	126
4	109	102	105	137	127	134	136	120	130	130	118	124
5	102	74	82	127	116	119	138	127	132	136	128	133
6	98	86	92	128	118	124	139	125	133	138	132	136
7	87	71	76	130	122	126	140	125	133	137	131	133
8	105	83	99	131	122	126	136	103	127	145	133	138
9	112	104	109	126	120	123	103	81	87	153	141	146
10	120	111	117	126	120	124	127	88	112	157	145	150
11	121	113	116	120	96	103	133	100	116	152	141	147
12	116	112	113	111	100	106	117	100	110	141	80	110
13	116	113	115	114	104	110	127	117	123	112	77	86
14	116	109	113	120	107	113	129	121	125	129	112	124
15	118	109	114	121	106	114	128	124	126	112	65	79
16	112	98	103	128	117	120	124	115	122	130	91	116
17	115	108	112	124	115	120	123	114	118	137	129	133
18	117	107	111	121	117	118	120	112	115	146	134	140
19	110	95	103	121	105	111	122	112	117	145	140	142
20	112	100	108	105	101	102	122	117	120	140	132	136
21	119	106	114	112	101	108	120	96	108	137	130	133
22	119	112	116	116	107	112	118	97	109	140	137	139
23	120	112	118	118	109	114	128	118	123	142	132	137
24	123	118	120	117	110	113	127	119	123	141	124	132
25	124	116	120	112	86	97	124	118	120	133	124	128
26	128	118	123	110	85	99	125	118	121	132	127	130
27	138	120	130	117	110	114	126	119	122	150	131	140
28	138	128	132	120	113	118	130	122	125	146	129	136
29	136	126	131	---	---	---	131	126	129	135	112	118
30	141	132	136	---	---	---	131	123	128	123	117	119
31	---	---	---	---	---	---	129	121	125	---	---	---
MONTH	141	71	111	145	85	117	140	81	121	157	65	129
PERIOD	157	65	120									

01021050 ST. CROIX RIVER AT MILLTOWN, ME--Continued

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.5	15.5	16.8	26.1	24.4	25.1	25.0	23.5	24.2	22.1	20.8	21.8
2	18.6	16.2	17.9	24.8	21.3	23.2	25.9	24.4	25.2	21.0	19.9	20.5
3	16.2	15.1	15.6	21.8	20.6	21.2	26.0	25.2	25.5	21.3	20.0	20.5
4	16.1	15.1	15.4	22.3	21.3	21.8	26.5	25.3	25.8	20.9	20.0	20.4
5	17.1	15.7	16.2	22.4	21.5	22.0	26.6	25.5	25.9	21.0	20.1	20.4
6	17.7	16.7	17.1	23.5	21.6	22.3	26.5	25.8	26.1	20.4	19.1	19.7
7	19.0	16.7	17.8	22.5	21.6	22.0	26.9	25.8	26.3	21.3	19.2	20.2
8	19.0	18.5	18.8	22.3	21.3	21.8	26.4	25.5	25.9	22.6	20.6	21.4
9	19.6	18.5	19.0	21.3	20.0	20.9	26.2	24.9	25.4	23.8	21.7	22.5
10	20.2	19.5	19.9	20.2	19.7	20.0	26.5	25.4	25.9	23.6	22.2	22.8
11	20.9	20.0	20.4	21.2	20.0	20.5	25.9	25.0	25.6	23.3	21.7	22.4
12	20.8	18.4	19.8	21.7	20.9	21.1	25.7	24.7	25.2	21.7	20.3	21.0
13	21.0	18.4	19.3	21.2	20.7	20.9	24.9	24.3	24.6	21.5	20.6	21.0
14	22.8	21.0	21.8	22.0	21.0	21.5	24.5	23.7	24.3	20.6	18.7	19.9
15	24.5	22.5	23.6	22.2	20.8	21.5	24.4	23.0	23.8	19.0	17.6	18.3
16	24.5	23.7	24.2	22.3	20.8	21.5	25.0	23.8	24.3	19.5	18.0	18.7
17	24.1	21.5	23.0	22.0	20.8	21.4	24.2	22.8	23.8	20.2	18.4	19.2
18	23.7	21.5	22.6	21.2	20.5	20.8	23.9	22.6	23.3	20.4	19.0	19.5
19	23.7	22.7	23.2	22.9	21.0	21.8	25.5	23.8	24.4	19.9	18.5	19.1
20	24.6	22.7	23.5	23.5	22.7	23.1	24.9	23.3	24.4	19.3	18.2	18.7
21	24.5	23.7	24.0	24.6	23.3	23.7	23.3	22.3	22.7	18.5	17.9	18.2
22	24.0	21.8	23.4	24.5	23.6	23.9	23.6	22.2	22.8	18.9	18.1	18.5
23	21.8	21.1	21.3	24.8	23.8	24.1	25.0	23.5	24.1	20.3	18.9	19.6
24	23.1	21.2	22.0	25.6	24.2	24.8	24.7	23.0	24.1	20.6	19.5	20.1
25	25.1	23.1	24.0	25.3	24.2	24.9	23.2	22.1	22.6	19.6	18.2	19.2
26	26.6	24.6	25.4	25.1	23.0	24.2	23.1	22.0	22.4	19.0	18.1	18.5
27	27.0	25.5	26.0	23.1	22.1	22.7	22.0	20.9	21.6	18.8	17.8	18.6
28	26.0	24.2	25.3	23.4	22.4	22.8	22.6	20.8	21.7	17.8	17.0	17.4
29	24.2	22.7	23.5	24.1	22.7	23.4	23.6	22.4	22.8	17.0	15.9	16.5
30	24.5	22.4	23.5	24.5	23.5	23.9	22.8	21.6	22.2	16.8	15.2	16.0
31	---	---	---	24.4	23.5	23.9	22.6	21.5	21.9	---	---	---
MONTH	27.0	15.1	21.1	26.1	19.7	22.5	26.9	20.8	24.2	23.8	15.2	19.7
PERIOD	27.0	15.1	21.9									

01021050 ST. CROIX RIVER AT MILLTOWN, ME--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

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

Aroostook River at Washburn, Maine

Station Number 01017000

September 2001

01021200 DENNYS RIVER AT DENNYSVILLE, ME

LOCATION.--Lat 44°54'03", long 67°14'56", Washington County, Hydrologic Unit 01050002, on right bank 1000 ft upstream from railroad bridge, 0.9 mi upstream from Cathance Stream, and 1 mi west of Dennysville.

DRAINAGE AREA.--92.9 mi^2.

PERIOD OF RECORD.--Discharge: October 1955 to September 1998, May to September 2001.

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, including periods of no gage-height record, July 16-17 and Sept. 19-26. Flow regulated by dam at outlet of Meddybemps Lake, 14 mi upstream, usable capacity about 1.507 billion ft^3. Satellite gage-height telemeter at station.

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 during period May 25 to Sept. 30, 275 ft^3/s, gage height, 2.17 ft; minimum daily discharge, 39 ft^3/s, Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	91	53	58	52
2	---	---	---	---	---	---	---	---	86	50	58	50
3	---	---	---	---	---	---	---	---	120	49	57	48
4	---	---	---	---	---	---	---	---	257	48	56	48
5	---	---	---	---	---	---	---	---	225	48	55	48
6	---	---	---	---	---	---	---	---	216	48	55	47
7	---	---	---	---	---	---	---	---	173	48	55	47
8	---	---	---	---	---	---	---	---	127	48	54	46
9	---	---	---	---	---	---	---	---	102	49	53	46
10	---	---	---	---	---	---	---	---	87	49	53	46
11	---	---	---	---	---	---	---	---	77	47	53	46
12	---	---	---	---	---	---	---	---	71	47	52	46
13	---	---	---	---	---	---	---	---	73	48	52	46
14	---	---	---	---	---	---	---	---	69	48	52	46
15	---	---	---	---	---	---	---	---	64	48	71	45
16	---	---	---	---	---	---	---	---	61	e47	94	45
17	---	---	---	---	---	---	---	---	60	e53	80	44
18	---	---	---	---	---	---	---	---	96	70	58	43
19	---	---	---	---	---	---	---	---	99	72	52	e42
20	---	---	---	---	---	---	---	---	80	69	50	e41
21	---	---	---	---	---	---	---	---	68	68	50	e41
22	---	---	---	---	---	---	---	---	62	66	50	e44
23	---	---	---	---	---	---	---	---	70	65	49	e50
24	---	---	---	---	---	---	---	---	99	64	49	e45
25	---	---	---	---	---	---	---	87	121	64	47	e42
26	---	---	---	---	---	---	---	83	115	63	47	e49
27	---	---	---	---	---	---	---	78	86	62	47	52
28	---	---	---	---	---	---	---	78	69	62	48	45
29	---	---	---	---	---	---	---	94	58	62	50	41
30	---	---	---	---	---	---	---	91	52	60	48	39
31	---	---	---	---	---	---	---	87	---	59	47	---
TOTAL	---	---	---	---	---	---	---	598	3034	1734	1700	1370
MEAN	---	---	---	---	---	---	---	85.4	101	55.9	54.8	45.7
MAX	---	---	---	---	---	---	---	94	257	72	94	52
MIN	---	---	---	---	---	---	---	78	52	47	47	39

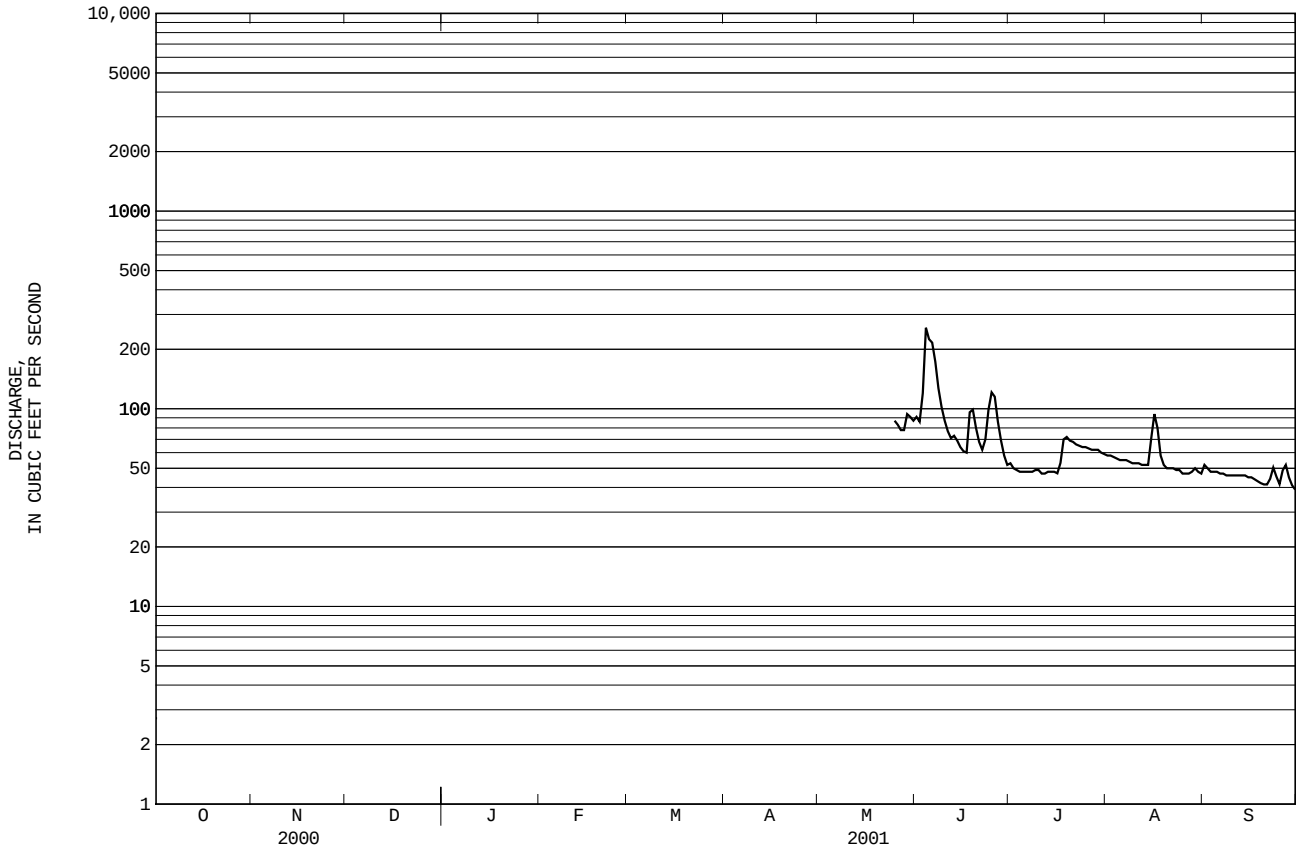
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2001, BY WATER YEAR (WY)

MEAN	113	195	216	193	191	260	440	277	167	102	74.2	79.1
MAX	317	505	508	457	548	666	737	732	382	354	205	201
(WY)	1978	1964	1974	1958	1976	1998	1969	1972	1977	1996	1991	1981
MIN	11.7	50.5	48.5	42.3	79.6	128	134	96.4	35.4	25.3	15.7	11.4
(WY)	1958	1979	1956	1985	1995	1971	1985	1957	1965	1965	1956	1957

e Estimated

01021200 DENNYS RIVER AT DENNYSVILLE, ME--Continued

SUMMARY STATISTICS	**WATER YEARS 1956 - 2001**	
ANNUAL MEAN	192	
HIGHEST ANNUAL MEAN	292	1973
LOWEST ANNUAL MEAN	96.0	1985
HIGHEST DAILY MEAN	3350	Apr 29 1973
LOWEST DAILY MEAN	8.6	Sep 30 1957
ANNUAL SEVEN-DAY MINIMUM	9.5	Sep 25 1957
MAXIMUM PEAK FLOW	3930	Apr 29 1973
MAXIMUM PEAK STAGE	9.35	Apr 29 1973
10 PERCENT EXCEEDS	415	
50 PERCENT EXCEEDS	130	
90 PERCENT EXCEEDS	45	



01021480 OLD STREAM NEAR WESLEY, ME

LOCATION.--Lat 44°56'09", long 67°44'08", Washington County, Hydrologic Unit 01050002, on left bank at upstream side of Route 9 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 170ft above National Geodetic Datum of 1929, from topographic map.

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

REMARKS.--Records good, except for periods of ice effect, Dec. 8-11 and Dec. 23 to Mar. 20, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 526 ft^3/s, Mar. 29, 2000, gage height 6.45 ft; maximum gage height, 6.76 ft, Dec. 23, 1998 (backwater from ice); 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)
Apr 23	1945	*337	*5.76	No other peak greater than base discharge.			

Minimum discharge, 1.5 ft^3/s, Sept. 7 and 14, gage height, 3.37 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	36	47	e22	e17	e15	33	100	22	9.7	2.7	2.5
2	2.9	32	37	e21	e14	e14	29	92	20	9.5	2.7	2.2
3	2.9	25	29	e19	e13	e14	27	83	30	9.2	2.6	1.9
4	2.7	20	23	e18	e12	e13	27	75	40	8.6	2.4	1.9
5	2.7	18	20	e18	e12	e13	30	68	42	8.1	2.3	2.0
6	6.0	22	17	e18	e15	e12	37	62	42	8.1	2.4	1.9
7	9.0	24	15	e20	e13	e12	42	56	36	7.9	2.2	1.7
8	8.5	21	e13	e19	e13	e11	46	51	29	8.3	2.1	1.7
9	9.0	19	e12	e17	e13	e11	49	47	25	8.9	2.1	1.7
10	16	17	e11	e17	e16	e12	63	43	22	8.6	2.3	1.7
11	16	15	e13	e16	e33	e12	85	41	19	8.0	2.3	1.7
12	15	14	16	e16	e27	e11	107	36	19	8.6	2.1	1.6
13	13	13	19	e16	e22	e11	143	35	20	9.7	2.2	1.6
14	11	12	18	e15	e19	e12	178	35	18	8.5	2.2	1.6
15	9.8	25	19	e15	e25	e12	198	39	16	9.3	2.1	1.6
16	8.7	29	18	e15	e22	e12	211	44	14	11	1.9	1.7
17	7.9	26	40	e15	e18	e12	226	44	13	9.2	2.0	1.7
18	7.5	23	119	e14	e16	e12	231	41	26	12	2.1	1.7
19	12	19	123	e14	e15	e12	201	45	24	10	1.9	1.7
20	13	16	122	e14	e14	e16	187	48	21	8.6	1.9	1.6
21	12	15	120	e14	e14	21	202	43	18	7.5	2.0	1.8
22	11	14	77	e13	e13	28	258	38	15	6.4	2.1	4.5
23	9.7	13	e57	e13	e13	37	321	33	15	5.4	2.0	2.9
24	8.9	12	e44	e13	e12	41	310	29	15	4.3	1.8	2.1
25	8.3	11	e34	e13	e12	44	287	26	15	3.6	1.7	2.1
26	8.0	12	e30	e13	e14	43	240	23	14	3.2	1.7	11
27	7.6	60	e28	e12	e15	40	192	22	12	3.2	2.0	5.9
28	6.9	80	e26	e12	e15	35	158	22	12	3.2	2.3	4.7
29	7.5	69	e24	e12	---	31	130	27	11	3.1	2.5	4.0
30	16	56	e22	e12	---	30	112	25	9.8	3.0	2.1	3.5
31	35	---	e25	e14	---	35	---	23	---	2.7	1.9	---
TOTAL	307.4	768	1218	480	457	634	4360	1396	634.8	227.4	66.6	78.2
MEAN	9.92	25.6	39.3	15.5	16.3	20.5	145	45.0	21.2	7.34	2.15	2.61
MAX	35	80	123	22	33	44	321	100	42	12	2.7	11
MIN	2.7	11	11	12	12	11	27	22	9.8	2.7	1.7	1.6
CFSM	.34	.88	1.35	.53	.56	.70	4.99	1.55	.73	.25	.07	.09
IN.	.39	.98	1.56	.61	.58	.81	5.57	1.78	.81	.29	.09	.10

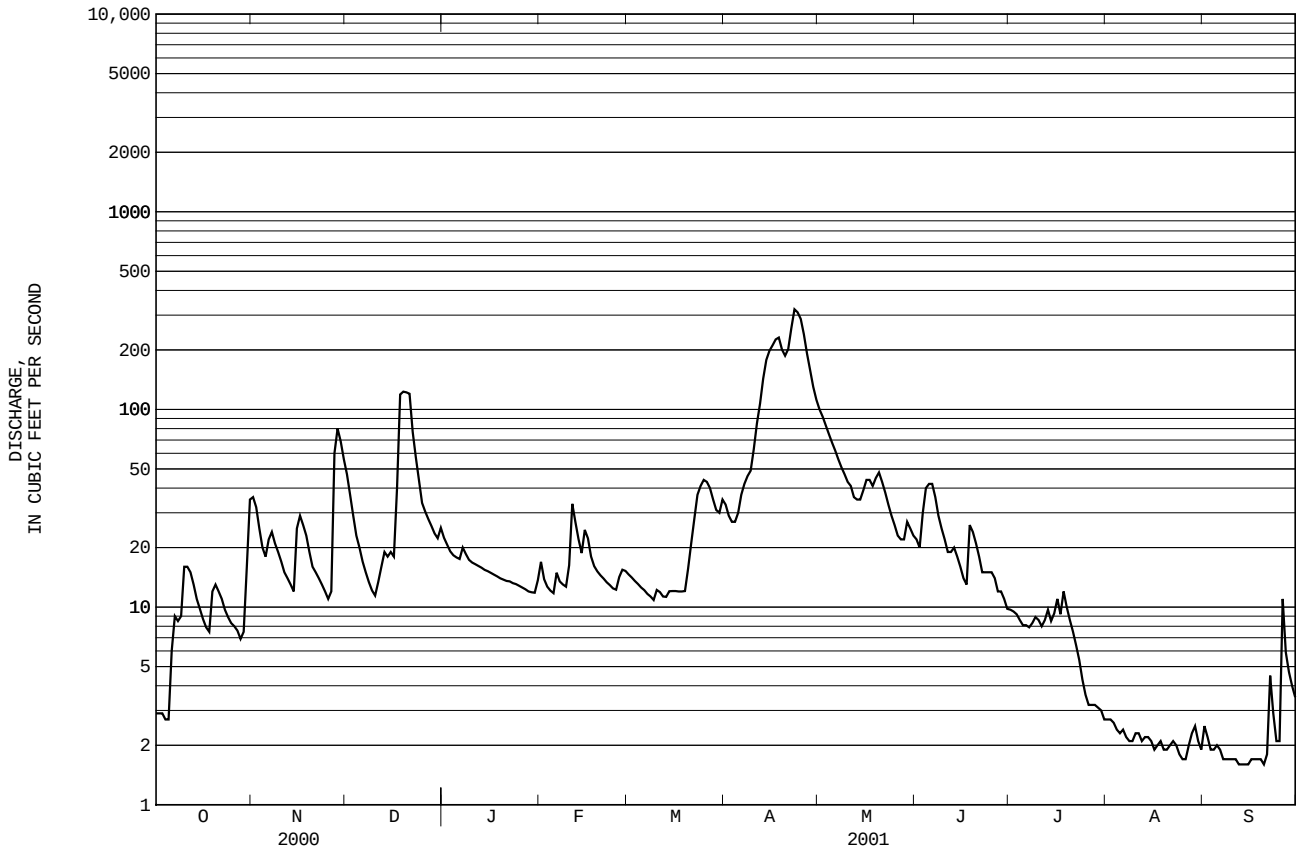
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

MEAN	26.2	47.0	61.6	64.3	49.4	122	131	54.5	21.5	11.0	5.79	13.0
MAX	35.5	70.9	112	121	81.6	174	167	75.0	26.9	17.8	8.73	40.3
(WY)	2000	2000	2000	1999	1999	1999	2000	2000	2000	2000	2000	1999
MIN	9.92	25.6	33.8	15.5	16.3	20.5	81.9	43.3	16.4	7.34	2.15	2.61
(WY)	2001	2001	1999	2001	2001	2001	1999	1999	1999	2001	2001	2001

e Estimated

01021480 OLD STREAM NEAR WESLEY, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1998 - 2001	
ANNUAL TOTAL	19959.6		10627.4			
ANNUAL MEAN	54.5		29.1		50.9	
HIGHEST ANNUAL MEAN					66.5	2000
LOWEST ANNUAL MEAN					29.1	2001
HIGHEST DAILY MEAN	487	Mar 29	321	Apr 23	487	Mar 29 2000
LOWEST DAILY MEAN	2.7	Oct 4	1.6	Sep 12	1.6	Sep 12 2001
ANNUAL SEVEN-DAY MINIMUM	2.9	Sep 29	1.6	Sep 9	1.6	Sep 9 2001
MAXIMUM PEAK FLOW			337	Apr 23	526	Mar 29 2000
MAXIMUM PEAK STAGE			5.76	Apr 23	6.76	Dec 23 1998
INSTANTANEOUS LOW FLOW			1.5	Sep 7	1.5	Sep 7 2001
ANNUAL RUNOFF (CFSM)	1.87		1.00		1.75	
ANNUAL RUNOFF (INCHES)	25.52		13.59		23.76	
10 PERCENT EXCEEDS	144		56		123	
50 PERCENT EXCEEDS	28		14		25	
90 PERCENT EXCEEDS	7.5		2.1		3.9	



01021500 MACHIAS RIVER AT WHITNEYVILLE, ME

LOCATION.--Lat 44°43'23", long 67°31'15", Washington County, Hydrologic Unit 01050002, on right bank 800 ft downstream from highway bridge at Whitneyville.

DRAINAGE AREA.--458 mi^2, revised.

PERIOD OF RECORD.--October 1905 to September 1921, September 1929 to September 1976. May to September 2001. 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, including the period of no gage-height record, July 15-17. Satellite gage-height 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 (*) for period May 24 to Sept. 30:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 4	2115	*1,000	*4.57	No other peak greater than base discharge.			

Minimum discharge, 23 ft^3/s, Sept. 20, gage height, 2.47 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	383	181	78	53
2	---	---	---	---	---	---	---	---	356	174	74	52
3	---	---	---	---	---	---	---	---	414	160	73	50
4	---	---	---	---	---	---	---	---	814	152	69	50
5	---	---	---	---	---	---	---	---	979	146	66	49
6	---	---	---	---	---	---	---	---	959	145	64	42
7	---	---	---	---	---	---	---	---	803	138	62	40
8	---	---	---	---	---	---	---	---	607	134	57	38
9	---	---	---	---	---	---	---	---	482	142	55	37
10	---	---	---	---	---	---	---	---	403	137	54	36
11	---	---	---	---	---	---	---	---	349	146	52	37
12	---	---	---	---	---	---	---	---	320	142	50	33
13	---	---	---	---	---	---	---	---	329	141	49	32
14	---	---	---	---	---	---	---	---	325	151	49	32
15	---	---	---	---	---	---	---	---	302	e196	46	29
16	---	---	---	---	---	---	---	---	274	e224	45	28
17	---	---	---	---	---	---	---	---	256	e184	43	27
18	---	---	---	---	---	---	---	---	319	166	44	28
19	---	---	---	---	---	---	---	---	402	189	41	26
20	---	---	---	---	---	---	---	---	359	204	41	25
21	---	---	---	---	---	---	---	---	299	181	41	29
22	---	---	---	---	---	---	---	---	258	156	41	36
23	---	---	---	---	---	---	---	---	256	137	42	42
24	---	---	---	---	---	---	---	532	290	123	43	53
25	---	---	---	---	---	---	---	474	306	115	39	54
26	---	---	---	---	---	---	---	430	311	105	37	72
27	---	---	---	---	---	---	---	399	280	98	36	115
28	---	---	---	---	---	---	---	385	243	91	35	146
29	---	---	---	---	---	---	---	425	212	88	39	125
30	---	---	---	---	---	---	---	462	195	85	40	99
31	---	---	---	---	---	---	---	422	---	81	45	---
TOTAL	---	---	---	---	---	---	---	3529	12085	4512	1550	1515
MEAN	---	---	---	---	---	---	---	441	403	146	50.0	50.5
MAX	---	---	---	---	---	---	---	532	979	224	78	146
MIN	---	---	---	---	---	---	---	385	195	81	35	25
CFSM	---	---	---	---	---	---	---	.96	.88	.32	.11	.11
IN.	---	---	---	---	---	---	---	.29	.98	.37	.13	.12

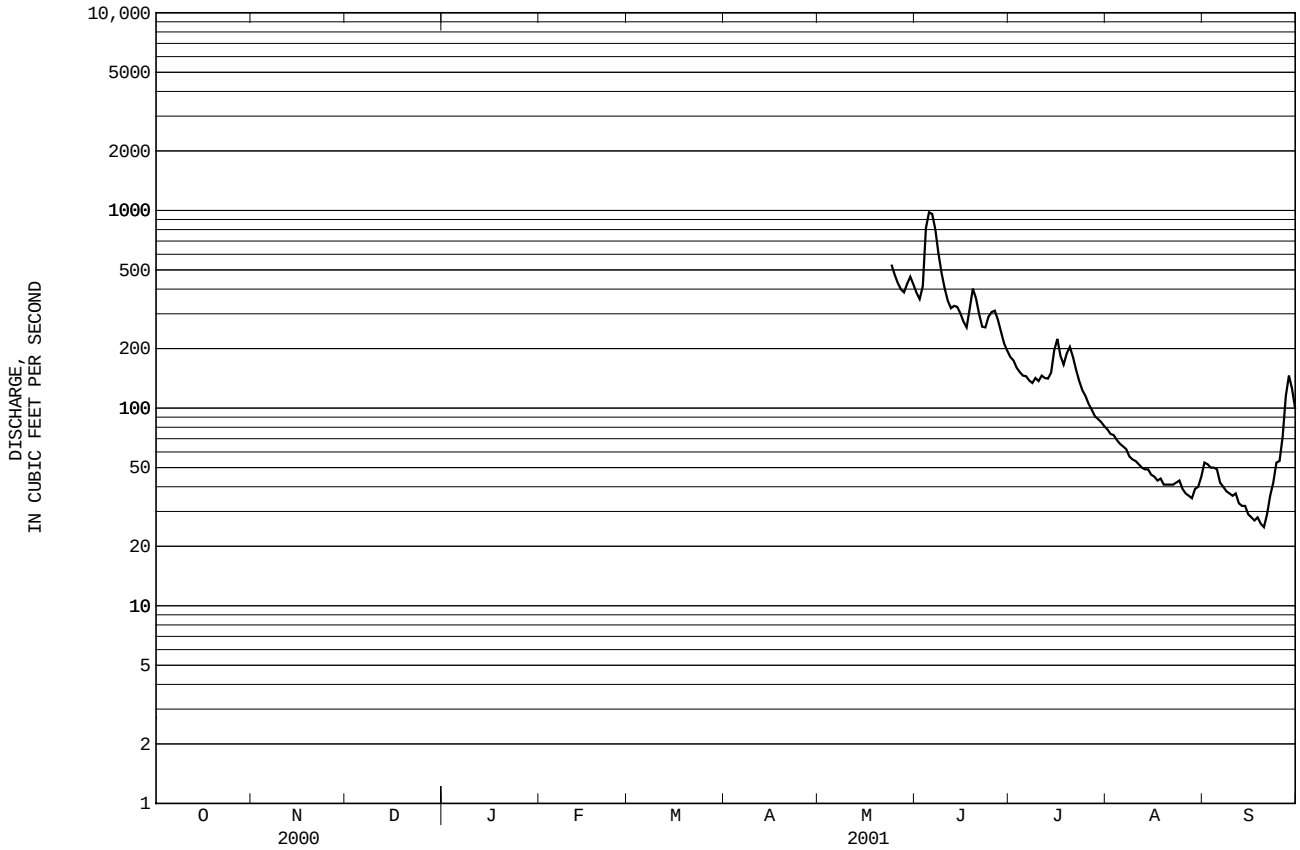
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2001, BY WATER YEAR (WY)

MEAN	541	913	1002	802	700	1187	2401	1722	859	463	310	340
MAX	1867	2225	2972	2059	2799	3633	5836	3163	3206	1189	993	1624
(WY)	1919	1944	1951	1958	1976	1936	1920	1963	1917	1947	1943	1954
MIN	63.6	123	144	146	195	242	1008	549	228	127	50.0	50.5
(WY)	1958	1911	1956	1948	1940	1967	1915	1966	1941	1949	2001	2001

e Estimated

01021500 MACHIAS RIVER AT WHITNEYVILLE, ME--Continued

SUMMARY STATISTICS	**WATER YEARS 1906 - 2001**	
ANNUAL MEAN	935	
HIGHEST ANNUAL MEAN	1498	1973
LOWEST ANNUAL MEAN	542	1966
HIGHEST DAILY MEAN	13900	May 29 1961
LOWEST DAILY MEAN	3.5	Oct 12 1939
ANNUAL SEVEN-DAY MINIMUM	27	Sep 15 2001
MAXIMUM PEAK FLOW	14800	May 29 1961
MAXIMUM PEAK STAGE	16.92	May 29 1961
ANNUAL RUNOFF (CFSM)	2.04	
ANNUAL RUNOFF (INCHES)	27.74	
10 PERCENT EXCEEDS	2260	
50 PERCENT EXCEEDS	557	
90 PERCENT EXCEEDS	175	



01022260 PLEASANT RIVER NEAR EPPING, ME

LOCATION.--Lat 44°41'52", long 67°47'16", 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.--July 1980 to September 1991. October 2000 to September 2001.

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

REMARKS.--Records good, except for period of doubtful gage-height record, Oct. 1 to May 24, and periods of ice effect, Dec. 4-16 and Dec. 24 to Mar. 20, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,240 ft^3/s, May 13, 1989, gage height, 10.77 ft; minimum discharge, 12 ft^3/s, Sept. 16, 2001, gage height, 4.87 ft.

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)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 15	Unknown	*477[a]	*8.05[a]	No other peak greater than base discharge			

Minimum discharge, 12 ft^3/s, Sept. 16, gage height, 4.87 ft.

[a] Estimated

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e25	e92	e104	e85	e54	e67	e158	e251	61	28	17	16
2	e25	e80	e91	e84	e54	e62	e146	e224	55	27	16	18
3	e25	e69	e79	e79	e52	e59	e134	e202	88	25	16	18
4	e26	e61	e70	e75	e51	e55	e126	e186	148	24	15	17
5	e25	e57	e64	e72	e50	e54	e141	e172	172	23	15	16
6	e29	e61	e57	e69	e54	e53	e173	e159	197	24	16	15
7	e53	e68	e52	e71	e57	e53	e189	e147	173	23	16	15
8	e51	e66	e47	e72	e58	e52	e201	e134	123	23	16	14
9	e41	e60	e43	e70	e58	e51	e212	e126	95	25	16	14
10	e43	e55	e42	e67	e67	e56	e249	e116	79	27	16	14
11	e53	e52	e42	e65	e85	e59	e299	e109	68	28	16	14
12	e49	e49	e54	e63	e97	e58	e349	e103	62	27	15	13
13	e42	e47	e78	e60	e87	e58	e402	e99	72	25	15	13
14	e38	e46	e69	e58	e81	e64	e441	e97	67	23	15	12
15	e35	e63	e67	e56	e100	e69	e470	e101	56	27	15	12
16	e32	e96	e66	e55	e98	e70	e450	e106	50	30	15	12
17	e31	e91	e99	e54	e91	e71	e428	e98	44	29	14	12
18	e30	e78	e188	e53	e84	e70	e411	e93	57	29	14	12
19	e38	e67	e229	e52	e80	e74	e398	e101	77	30	14	12
20	e51	e60	e249	e51	e75	e101	e390	e130	65	29	14	12
21	e49	e56	e249	e51	e71	e133	e382	e119	51	27	14	12
22	e42	e54	e212	e50	e68	e160	e378	e101	43	25	15	13
23	e38	e52	e173	e49	e65	e183	e374	e83	42	24	15	17
24	e35	e48	e145	e47	e63	e204	e401	e73	51	22	15	18
25	e34	e44	e120	e46	e60	e224	e421	61	56	21	15	17
26	e33	e45	e108	e46	e64	e228	e403	56	53	20	13	26
27	e32	e92	e102	e45	e74	e205	e386	52	44	20	13	54
28	e32	e139	e96	e45	e71	e174	e354	58	37	20	13	41
29	e32	e133	e91	e45	---	e156	e316	77	32	19	14	30
30	e38	e118	e87	e44	---	e148	e280	82	29	17	15	24
31	e82	---	e84	e49	---	e147	---	70	---	17	15	---
TOTAL	1189	2099	3257	1828	1969	3218	9462	3586	2247	758	463	533
MEAN	38.4	70.0	105	59.0	70.3	104	315	116	74.9	24.5	14.9	17.8
MAX	82	139	249	85	100	228	470	251	197	30	17	54
MIN	25	44	42	44	50	51	126	52	29	17	13	12
CFSM	.63	1.15	1.73	.97	1.16	1.71	5.20	1.91	1.24	.40	.25	.29
IN.	.73	1.29	2.00	1.12	1.21	1.98	5.81	2.20	1.38	.47	.28	.33

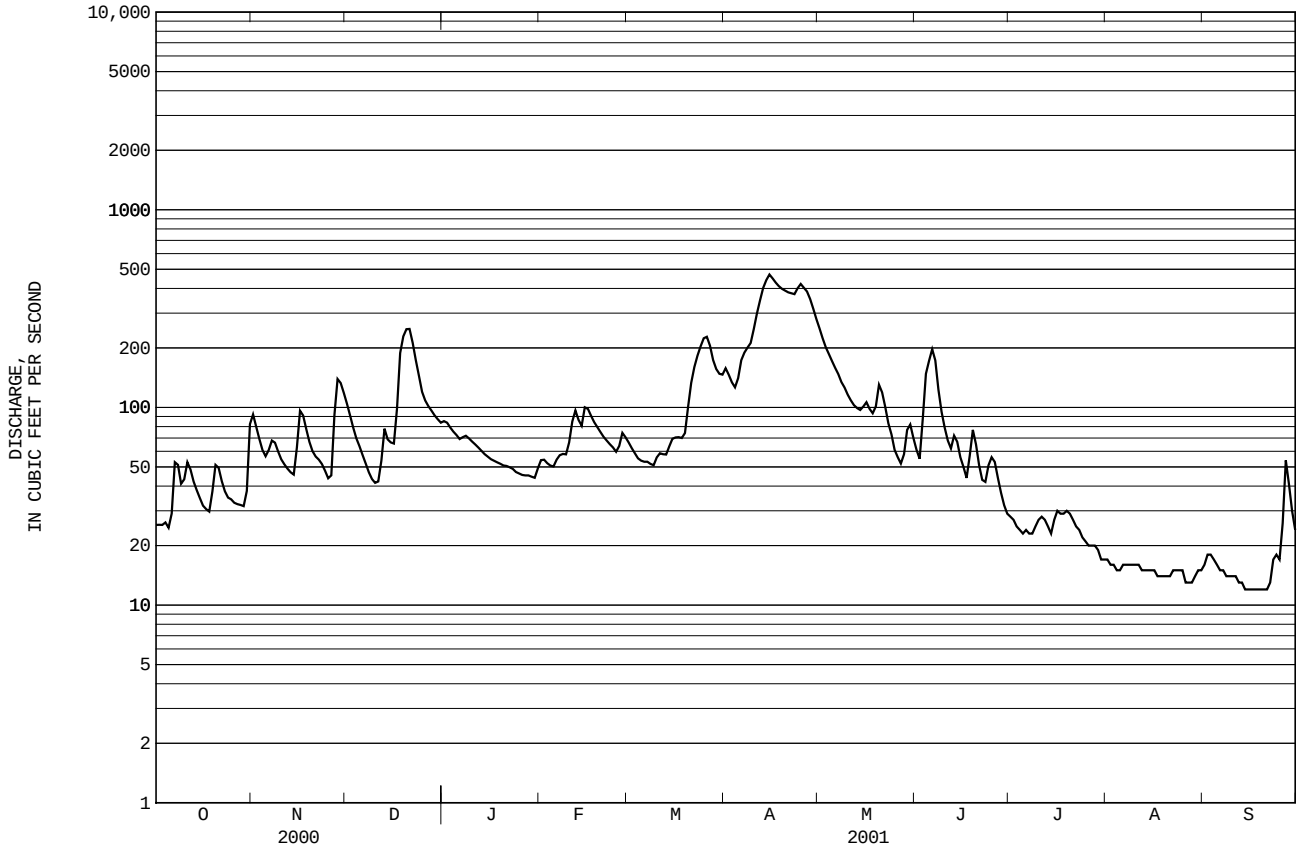
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2001, BY WATER YEAR (WY)

MEAN	82.0	151	168	101	153	190	307	184	115	66.0	63.6	60.5
MAX	180	267	315	159	352	314	477	459	270	149	144	140
(WY)	1982	1989	1984	1982	1981	1991	1982	1989	1984	1984	1986	1981
MIN	34.3	55.9	63.1	46.3	70.3	104	129	116	49.1	24.5	14.9	17.8
(WY)	1985	1985	1990	1989	2001	2001	1985	2001	1988	2001	2001	2001

e Estimated

01022260 PLEASANT RIVER NEAR EPPING, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1980 - 2001	
ANNUAL TOTAL			30609			
ANNUAL MEAN			83.9		137	
HIGHEST ANNUAL MEAN					194	1984
LOWEST ANNUAL MEAN					83.9	2001
HIGHEST DAILY MEAN	249	Dec 20	470	Apr 15	1210	May 13 1989
LOWEST DAILY MEAN	25	Oct 1	12	Sep 14	12	Sep 14 2001
ANNUAL SEVEN-DAY MINIMUM	26	Sep 29	12	Sep 14	12	Sep 14 2001
MAXIMUM PEAK FLOW			477	Apr 15	1240	May 13 1989
MAXIMUM PEAK STAGE			8.05	Apr 15	10.77	May 13 1989
INSTANTANEOUS LOW FLOW			12	Sep 16	12	Sep 16 2001
ANNUAL RUNOFF (CFSM)			1.38		2.26	
ANNUAL RUNOFF (INCHES)			18.79		30.66	
10 PERCENT EXCEEDS	125		188		296	
50 PERCENT EXCEEDS	54		56		91	
90 PERCENT EXCEEDS	30		15		36	



01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44°51'35", long 68°06'20", 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.--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, and for flows below 0.050 ft^3/s, periods of ice effect, Dec. 30 to Feb. 9, Feb. 12-13, 18-19, 22-23, 25, 27, and Mar. 1-5, periods of doubtful stage-discharge relation, Oct. 28-29, Nov. 10-11, Dec. 9, May 5-8, and June 18-19, and periods of no gage-height record, Oct. 11, June 11-13, and July 16, which are poor. Satellite gage-height 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 1988-2001.

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)
Apr 22	1610	*2.50	*5.80	No other peak greater than base discharge.			

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.001	.22	.087	e.029	e.010	e.016	.033	.084	.013	.000	.000	.000
2	.001	.11	.071	e.027	e.010	e.015	.031	.072	.014	.000	.000	.000
3	.001	.070	.058	e.025	e.010	e.013	.029	.062	.046	.000	.000	.000
4	.001	.052	.052	e.025	e.010	e.012	.034	.056	.066	.000	.000	.000
5	.001	.052	.048	e.024	e.010	e.012	.060	e.051	.14	.000	.000	.000
6	.001	.085	.044	e.023	e.012	.015	.083	e.045	.093	.000	.000	.000
7	.001	.076	.037	e.022	e.010	.013	.088	e.040	.053	.000	.000	.000
8	.001	.061	.027	e.021	e.010	.012	.097	e.035	.030	.000	.000	.000
9	.001	.051	e.023	e.022	e.012	.011	.10	.030	.022	.000	.000	.000
10	.001	e.043	.023	e.020	.090	.012	.20	.029	.018	.000	.000	.000
11	e.004	e.036	.026	e.019	.051	.011	.30	.027	e.014	.000	.000	.000
12	.008	.032	.076	e.019	e.032	.011	.36	.025	e.013	.000	.000	.000
13	.005	.030	.063	e.017	e.026	.012	.65	.026	e.035	.001	.000	.000
14	.002	.034	.047	e.017	.024	.015	.46	.024	.026	.000	.000	.000
15	.002	.42	.037	e.016	.023	.015	.35	.030	.020	.013	.000	.000
16	.001	.19	.031	e.016	.020	.014	.44	.035	.009	e.017	.000	.000
17	.001	.11	.63	e.015	.020	.015	.52	.027	.012	.009	.000	.000
18	.001	.082	.91	e.014	e.019	.017	.38	.024	e.046	.018	.000	.000
19	.043	.066	.24	e.014	e.018	.019	.21	.057	e.017	.011	.000	.000
20	.025	.058	.17	e.014	.018	.030	.27	.048	.011	.005	.000	.000
21	.016	.053	.11	e.013	.019	.053	.85	.032	.007	.002	.000	.000
22	.011	.046	.086	e.013	e.017	e.062	1.74	.026	.006	.001	.000	.000
23	.009	.041	.071	e.012	e.017	e.048	1.21	.024	.008	.000	.000	.000
24	.008	.037	.059	e.012	.016	e.036	1.18	.020	.009	.000	.000	.000
25	.006	.033	.054	e.012	e.015	e.033	.62	.016	.011	.000	.000	.000
26	.007	.075	.048	e.011	.026	e.032	.30	.013	.005	.000	.000	.000
27	.007	.55	.045	e.011	e.021	.029	.21	.013	.003	.000	.000	.000
28	e.006	.25	.041	e.011	.019	.028	.16	.021	.001	.000	.000	.000
29	e.005	.15	.037	e.011	---	.028	.12	.039	.000	.000	.000	.000
30	.10	.11	e.031	e.011	---	.035	.097	.024	.000	.000	.000	.000
31	.36	---	e.034	e.011	---	.038	---	.018	---	.000	.000	---
TOTAL	0.637	3.223	3.316	0.527	0.585	0.712	11.182	1.073	0.748	0.077	0.000	0.000
MEAN	.021	.11	.11	.017	.021	.023	.37	.035	.025	.002	.000	.000
MAX	.36	.55	.91	.029	.090	.062	1.74	.084	.14	.018	.000	.000
MIN	.001	.030	.023	.011	.010	.011	.029	.013	.000	.000	.000	.000

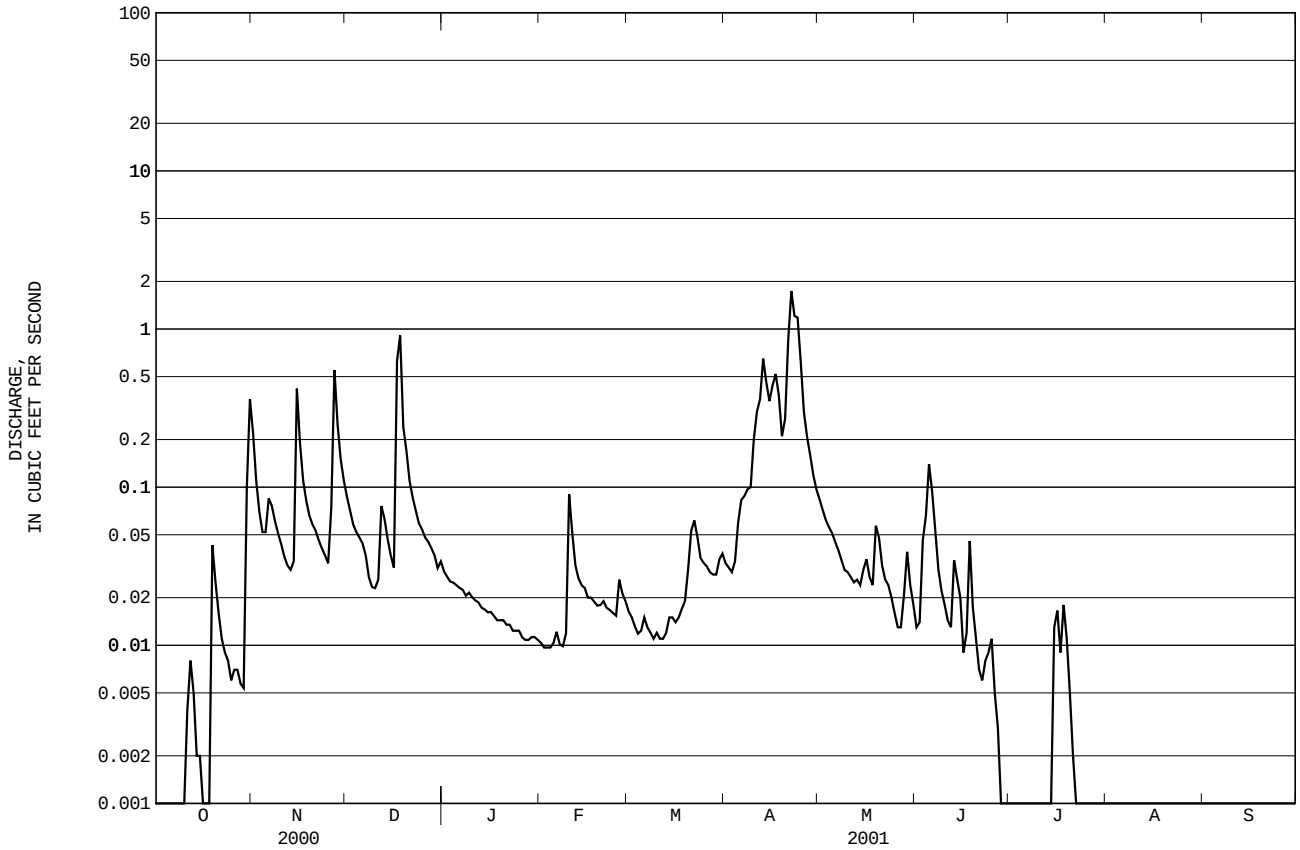
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

MEAN	.075	.17	.14	.14	.083	.21	.25	.15	.057	.026	.004	.016
MAX	.16	.34	.39	.37	.20	.49	.45	.49	.18	.25	.019	.071
(WY)	1992	1996	1997	1996	1998	1998	1993	1989	1998	1996	1992	1999
MIN	.002	.076	.032	.017	.021	.023	.10	.035	.009	.000	.000	.000
(WY)	1998	1997	1990	2001	2001	2001	1999	2001	1988	1991	1993	1993

e Estimated

01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1988 - 2001	
ANNUAL TOTAL	38.467	22.080		
ANNUAL MEAN	.11	.060	.116	
HIGHEST ANNUAL MEAN			.175	1996
LOWEST ANNUAL MEAN			.060	2001
HIGHEST DAILY MEAN	2.15 Mar 28	1.74 Apr 22	4.95	Mar 27 1988
LOWEST DAILY MEAN	.000 Aug 26	.000 Jun 29	.000	Jun 14 1988
ANNUAL SEVEN-DAY MINIMUM	.000 Aug 26	.000 Jun 29	.000	Jun 14 1988
MAXIMUM PEAK FLOW		2.50 Apr 22	18.6	Mar 9 1998
MAXIMUM PEAK STAGE		5.80 Apr 22	6.91	Mar 9 1998
INSTANTANEOUS LOW FLOW		.000 Jun 29	.000	Jun 20 1988
10 PERCENT EXCEEDS	.250	.100	.260	
50 PERCENT EXCEEDS	.043	.016	.045	
90 PERCENT EXCEEDS	.001	.000	.000	



01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME

LOCATION.--Lat 44°51'34", long 68°06'23", 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.--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, and flows below 0.050 ft^3/s, period of ice effect, Dec. 31 to Feb. 9, Feb. 12-14, 23, Feb. 27 to Mar. 5, Mar. 22-25, and 30, periods of doubtful stage-discharge relation, Oct. 10-18 and 23-29, periods of no gage-height record, Jun. 11-12, 27, Jul. 14-16, and 18-25, which are poor. Satellite gage-height 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)
Apr. 22	1805	*1.84	*5.71	No peak greater than base discharge.			

Minimum discharge, .001 ft^3/s, Aug. 2 and 7-8, gage height, 5.03 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.003	.21	.078	e.041	e.013	e.015	.025	.11	.021	.014	.003	.007
2	.004	.11	.062	e.036	e.012	e.014	.024	.11	.023	.006	.002	.004
3	.006	.072	.051	e.035	e.012	e.012	.023	.10	.044	.005	.002	.004
4	.004	.056	.047	e.035	e.012	e.011	.025	.091	.054	.007	.002	.006
5	.004	.056	.046	e.034	e.012	e.011	.038	.084	.12	.006	.002	.006
6	.015	.081	.044	e.034	e.014	.014	.046	.069	.075	.006	.002	.005
7	.012	.063	.039	e.031	e.013	.012	.047	.061	.046	.008	.002	.005
8	.008	.049	.031	e.028	e.012	.011	.046	.057	.031	.012	.001	.004
9	.009	.043	.027	e.029	e.014	.011	.051	.055	.026	.012	.002	.003
10	e.024	.040	.025	e.027	.060	.014	.12	.052	.023	.009	.002	.003
11	e.021	.037	.028	e.025	.032	.012	.18	.049	e.021	.008	.001	.003
12	e.018	.034	.076	e.023	e.022	.010	.24	.045	e.021	.011	.001	.003
13	e.016	.031	.056	e.023	e.017	.012	.49	.037	.024	.009	.001	.002
14	e.012	.034	.042	e.022	e.015	.017	.40	.039	.019	e.007	.002	.002
15	e.009	.33	.036	e.022	.019	.014	.29	.045	.015	e.026	.002	.002
16	e.008	.17	.034	e.020	.016	.014	.34	.047	.012	e.021	.003	.002
17	e.007	.099	.46	e.018	.018	.015	.39	.033	.015	.018	.002	.002
18	e.008	.069	.83	e.017	.016	.014	.30	.030	.049	e.022	.002	.002
19	.071	.055	.24	e.017	.015	.014	.19	.061	.021	e.018	.001	.002
20	.038	.049	.17	e.017	.016	.025	.23	.057	.015	e.014	.002	.002
21	.028	.045	.11	e.016	.018	.046	.55	.038	.012	e.010	.003	.003
22	.022	.042	.089	e.016	.016	e.042	1.34	.032	.012	e.007	.004	.006
23	e.017	.037	.076	e.015	e.015	e.033	1.05	.030	.015	e.006	.004	.002
24	e.012	.033	.064	e.015	.014	e.026	1.06	.026	.017	e.005	.003	.002
25	e.009	.031	.061	e.015	.014	e.022	.65	.021	.017	e.004	.004	.006
26	e.009	.073	.057	e.014	.021	.020	.33	.019	.012	.004	.004	.018
27	e.008	.44	.053	e.014	e.017	.020	.24	.020	e.008	.004	.005	.005
28	e.008	.21	.050	e.014	e.016	.019	.19	.029	.010	.004	.005	.005
29	e.007	.13	.046	e.015	---	.021	.15	.035	.015	.004	.005	.004
30	.13	.099	.045	e.014	---	e.025	.12	.027	.015	.003	.004	.004
31	.40	---	e.050	e.014	---	.030	---	.026	---	.002	.004	---
TOTAL	0.947	2.828	3.123	0.696	0.491	0.576	9.175	1.535	0.808	0.292	0.082	0.124
MEAN	.031	.094	.10	.022	.018	.019	.31	.050	.027	.009	.003	.004
MAX	.40	.44	.83	.041	.060	.046	1.34	.11	.12	.026	.005	.018
MIN	.003	.031	.025	.014	.012	.010	.023	.019	.008	.002	.001	.002

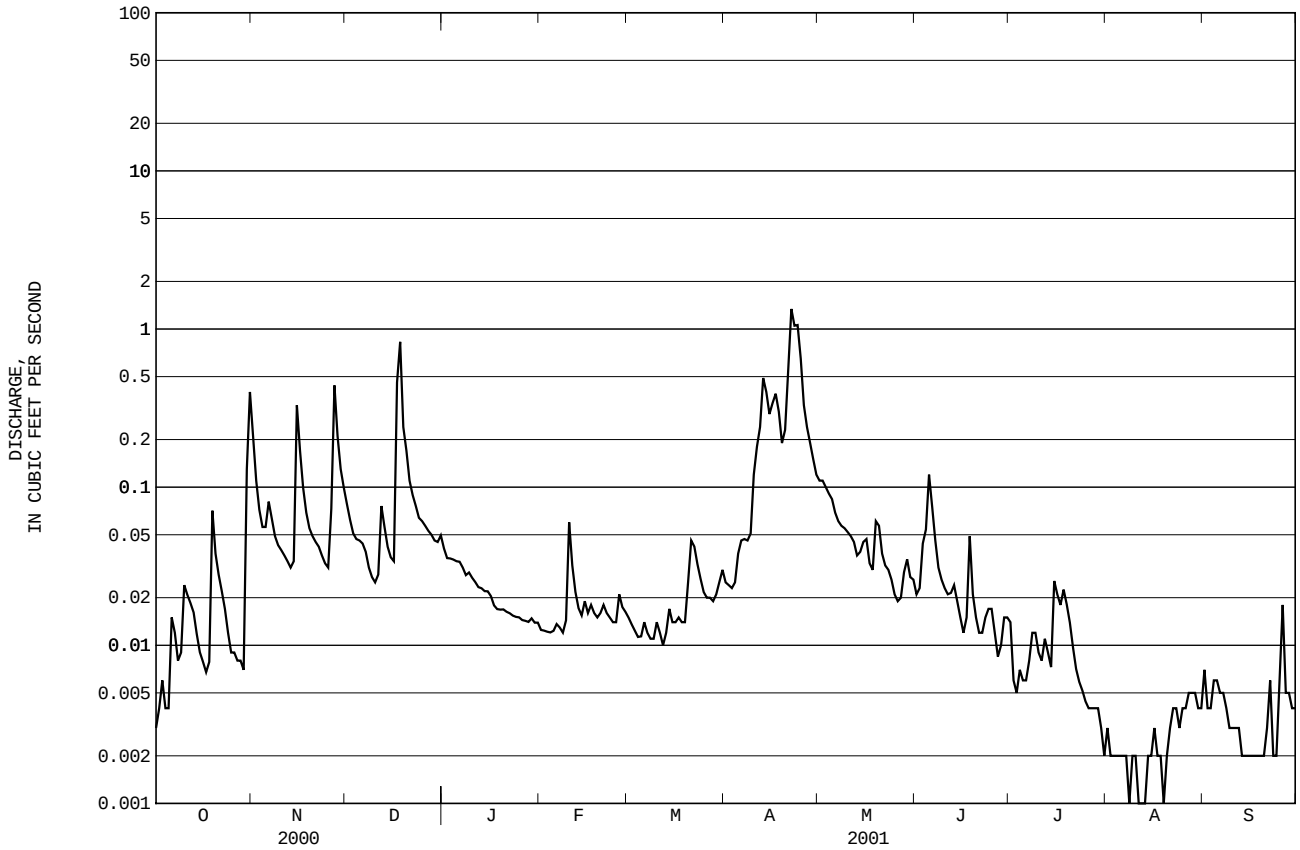
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2001, BY WATER YEAR (WY)

MEAN	.074	.16	.14	.13	.081	.20	.25	.15	.058	.034	.010	.022
MAX	.15	.32	.38	.32	.23	.51	.47	.51	.14	.22	.025	.083
(WY)	1991	1996	1994	1996	1998	1998	1993	1989	1998	1996	1992	1999
MIN	.015	.060	.034	.020	.018	.019	.11	.050	.017	.005	.002	.003
(WY)	1995	1997	1990	1989	2001	2001	1999	2001	1988	1991	1993	2000

e Estimated

01022295 WEST BRANCH BEAR BROOK NEAR BEDDINGTON, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1988 - 2001	
ANNUAL TOTAL	35.208	20.677		
ANNUAL MEAN	.096	.057	.114	
HIGHEST ANNUAL MEAN			.152	1996
LOWEST ANNUAL MEAN			.057	2001
HIGHEST DAILY MEAN	2.03 Mar 28	1.34 Apr 22	4.25	Mar 27 1988
LOWEST DAILY MEAN	.001 Aug 31	.001 Aug 8	.000	Jul 16 1988
ANNUAL SEVEN-DAY MINIMUM	.000 Sep 6	.000 Aug 7	.000	Aug 30 1999
MAXIMUM PEAK FLOW		1.84 Apr 22	16.4	Mar 9 1998
MAXIMUM PEAK STAGE		5.71 Apr 22	6.75	Mar 9 1998
INSTANTANEOUS LOW FLOW		.001 Aug 2	.000	Aug 1 1991
10 PERCENT EXCEEDS	.220	.110	.240	
50 PERCENT EXCEEDS	.042	.018	.051	
90 PERCENT EXCEEDS	.003	.003	.005	



01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME

LOCATION.--Lat 44°36'29", long 67°56'10", 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.

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, Nov. 25-26, Dec. 4-16, and Dec. 25 to Mar. 19, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft^3/s, May 28, 1961, gage height, 17.40 ft; minimum, 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)
Apr 13	1415	*1,780	*11.28	No other peak greater than base discharge.			

Minimum discharge, 18 ft^3/s, Sept. 19-20, gage height, 6.76 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	272	399	e248	e139	e175	478	684	167	69	42	33
2	50	275	331	e228	e131	e163	402	632	154	67	40	38
3	51	249	273	e204	e125	e150	364	583	264	62	39	35
4	50	212	e210	e193	e122	e140	354	534	429	58	38	33
5	49	184	e184	e187	e121	e131	436	485	393	58	36	33
6	72	185	e167	e175	e138	e134	576	447	435	58	35	30
7	112	193	e138	e188	e146	e131	624	409	365	57	35	28
8	103	184	e121	e192	e145	e129	700	370	290	58	34	27
9	91	175	e108	e179	e140	e128	691	337	238	64	34	26
10	108	163	e100	e172	e174	e140	950	315	198	65	33	25
11	126	151	e113	e164	e263	e149	1210	292	165	65	32	25
12	120	140	e142	e158	e231	e147	1340	270	157	63	30	23
13	113	129	e182	e150	e212	e145	1710	251	170	62	30	22
14	107	122	e171	e143	e197	e169	1750	243	157	64	30	22
15	98	197	e178	e138	e269	e188	1700	234	138	64	29	21
16	88	296	e163	e134	e327	e185	1600	233	123	65	27	20
17	82	282	405	e131	e288	e183	1520	236	108	69	26	20
18	81	254	1090	e128	e254	e191	1480	231	159	85	27	20
19	109	218	1020	e126	e227	e204	1450	256	203	108	26	19
20	160	189	1060	e124	e215	302	1430	343	169	124	26	19
21	152	173	932	e121	e204	411	1290	324	139	118	27	20
22	172	163	667	e119	e186	487	1300	285	114	100	28	31
23	135	152	518	e118	e174	624	1480	248	110	84	29	41
24	112	139	410	e112	e167	713	1690	218	117	74	29	37
25	107	e107	e322	e110	e155	698	1700	194	119	67	26	36
26	101	e99	e296	e108	e174	637	1550	174	109	62	25	86
27	95	363	e275	e108	e214	558	1330	162	98	55	25	99
28	90	538	e260	e107	e192	492	1090	169	86	50	25	80
29	87	541	e242	e106	---	437	895	208	78	47	32	70
30	113	479	e231	e103	---	444	767	212	70	45	31	56
31	232	---	e224	e124	---	454	---	188	---	43	29	---
TOTAL	3216	6824	10932	4598	5330	9239	33857	9767	5522	2130	955	1075
MEAN	104	227	353	148	190	298	1129	315	184	68.7	30.8	35.8
MAX	232	541	1090	248	327	713	1750	684	435	124	42	99
MIN	49	99	100	103	121	128	354	162	70	43	25	19
CFSM	.46	1.00	1.55	.65	.84	1.31	4.97	1.39	.81	.30	.14	.16
IN.	.53	1.12	1.79	.75	.87	1.51	5.55	1.60	.90	.35	.16	.18

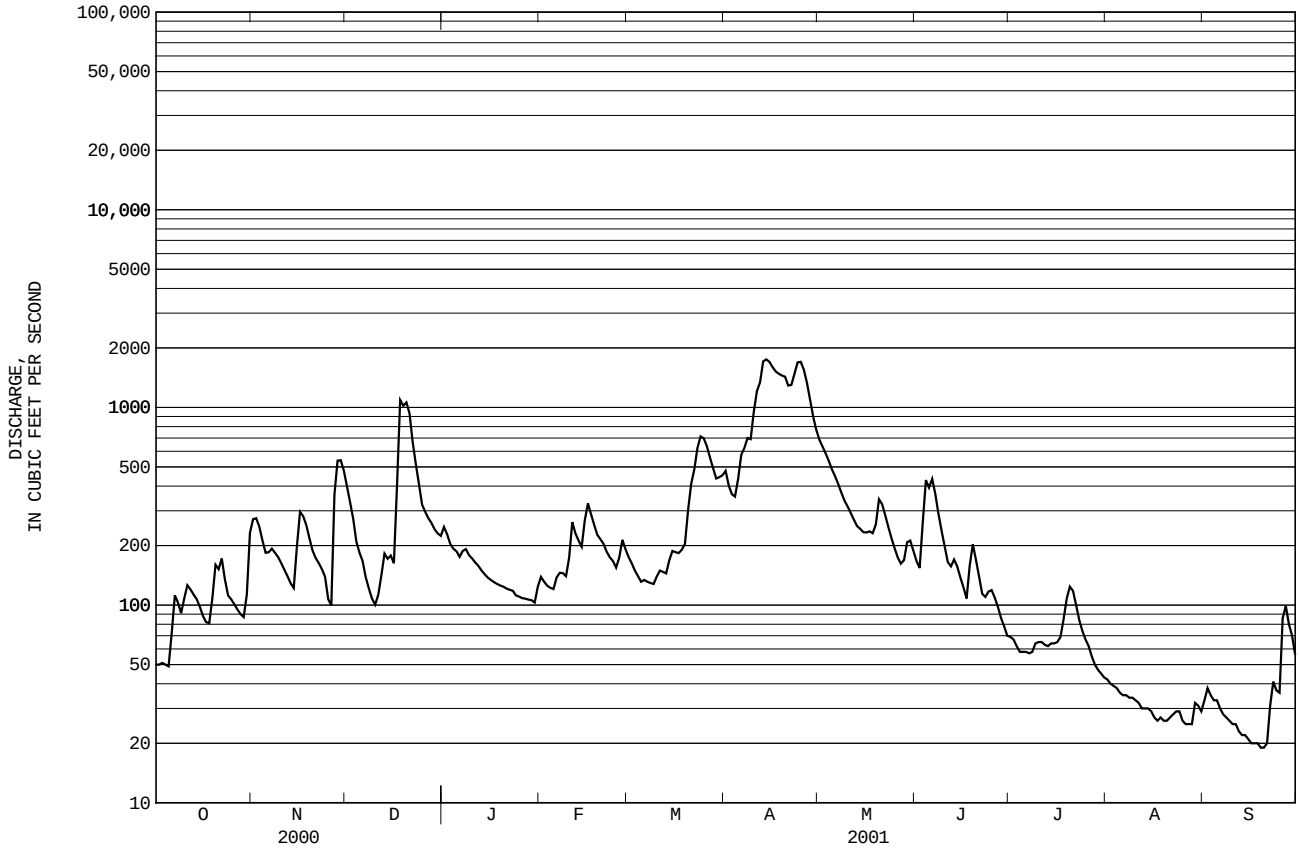
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	265	572	640	514	477	727	1203	673	338	191	130	163
MAX	1074	1317	1533	1118	1125	1738	1945	1962	877	859	526	947
(WY)	1978	1960	1970	1958	1976	1998	1982	1989	1984	1996	1986	1954
MIN	34.3	111	87.7	113	121	153	473	299	119	47.2	28.8	32.3
(WY)	1958	1979	1956	1989	1980	1967	1985	1999	1964	1965	1965	1968

e Estimated

01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1948 - 2001	
ANNUAL TOTAL	157681		93445			
ANNUAL MEAN	431		256		491	
HIGHEST ANNUAL MEAN					761	1973
LOWEST ANNUAL MEAN					256	2001
HIGHEST DAILY MEAN	2910	Mar 30	1750	Apr 14	9490	May 28 1961
LOWEST DAILY MEAN	43	Sep 12	19	Sep 19	7.1	Sep 5 1978
ANNUAL SEVEN-DAY MINIMUM	49	Sep 7	20	Sep 15	20	Sep 15 2001
MAXIMUM PEAK FLOW			1780	Apr 13	10400	May 28 1961
MAXIMUM PEAK STAGE			11.28	Apr 13	17.40	May 28 1961
INSTANTANEOUS LOW FLOW			18	Sep 19	3.0	Sep 2 1978
ANNUAL RUNOFF (CFSM)	1.90		1.13		2.16	
ANNUAL RUNOFF (INCHES)	25.84		15.31		29.38	
10 PERCENT EXCEEDS	1050		579		1140	
50 PERCENT EXCEEDS	246		150		300	
90 PERCENT EXCEEDS	65		32		72	



01022835 CADILLAC BROOK NEAR BAR HARBOR, ME

LOCATION.--Lat 44°20'41",(revised) 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.--May 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 405 ft (revised) above National Geodetic Datum of 1929, from topographic map.

REMARKS.--Records poor, including periods of ice effect, Dec. 26-28, Jan. 2 to Feb. 13, and Feb. 28 to Mar. 6, and period of doubtful gage-height record, Mar. 2-3, and period of no gage-height record, Sept. 26-27. Satellite gage-height telemter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26 ft^3/s, Sept. 22, 1999, from rating curve extened above 6.5 ft^3/s, gage height, 1.94 ft; no flow for many days in July, August, and September, 1999, September, 2000, and August and September, 2001.

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 27	0005	14[a]	1.80	Jun 2	2400	14[a]	1.80
Dec 17	0740	*17[a]	*1.85				

No flow for many days in August and September.

[a] From rating curve extended above 6.5 ft^3/s

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.91	.33	.13	e.09	e.22	.33	.15	.04	.02	.002	.000
2	.01	.37	.24	e.10	e.09	e.16	.25	.16	.74	.02	.001	.000
3	.01	.23	.18	e.09	e.07	e.12	.21	.15	2.8	.02	.000	.000
4	.01	.16	.15	e.08	e.06	e.10	.31	.11	.94	.02	.000	.000
5	.01	.32	.14	e.08	e.07	e.09	.80	.09	.35	.02	.002	.000
6	.57	.59	.14	e.07	e.06	e.08	.79	.07	.17	.02	.001	.000
7	.47	.42	.13	e.07	e.06	.07	.77	.06	.09	.02	.000	.000
8	.16	.31	.11	e.06	e.06	.07	.59	.05	.06	.02	.000	.000
9	.14	.25	.10	e.06	e.07	.07	1.2	.05	.04	.02	.000	.000
10	.81	.21	.09	e.06	e1.8	.06	2.2	.04	.04	.02	.000	.000
11	.51	.20	.09	e.06	e1.2	.06	1.6	.04	.03	.02	.000	.000
12	.35	.20	.68	e.05	e.50	.06	1.8	.03	.12	.02	.000	.000
13	.17	.18	.39	e.05	e.28	.14	2.6	.03	.28	.02	.000	.000
14	.11	.18	.45	e.05	.17	.80	1.3	.03	.10	.01	.000	.000
15	.08	2.3	.72	e.05	.78	.52	.94	.03	.05	.01	.000	.000
16	.05	.59	.34	e.05	.37	.40	.93	.03	.04	.01	.000	.000
17	.04	.38	4.6	e.05	.27	.37	.91	.03	.03	.01	.000	.000
18	.04	.28	2.1	e.05	.33	.33	.74	.03	.80	.01	.000	.000
19	1.2	.22	.51	e.05	.20	.45	.74	.16	.18	.01	.000	.000
20	.37	.22	1.6	e.04	.14	.96	.82	.19	.07	.01	.000	.000
21	.18	.27	.51	e.04	.14	.89	1.4	.08	.04	.01	.000	.000
22	.16	.23	.30	e.04	.36	1.4	2.8	.05	.04	.01	.000	.000
23	.12	.20	.22	e.04	.29	1.2	1.3	.04	.12	.009	.000	.000
24	.09	.17	.17	e.04	.16	.63	1.2	.04	.20	.008	.000	.000
25	.07	.14	.13	e.04	.11	.60	.71	.03	.13	.007	.000	e.003
26	.06	.64	e.11	e.03	.63	.45	.39	.03	.06	.008	.000	e.14
27	.06	3.2	e.10	e.03	.41	.35	.27	.03	.04	.007	.000	.01
28	.05	.72	e.08	e.03	e.30	.29	.24	.04	.03	.006	.000	.007
29	.05	.51	.08	e.03	---	.32	.19	.20	.03	.004	.000	.006
30	1.4	.43	.08	e.03	---	.33	.15	.08	.03	.004	.000	.006
31	2.9	---	.18	e.1	---	.47	---	.05	---	.003	.000	---
TOTAL	10.26	15.03	15.05	1.75	9.07	12.06	28.48	2.20	7.69	0.406	0.006	0.172
MEAN	.33	.50	.49	.056	.32	.39	.95	.071	.26	.013	.000	.006
MAX	2.9	3.2	4.6	.13	1.8	1.4	2.8	.20	2.8	.02	.002	.14
MIN	.01	.14	.08	.03	.06	.06	.15	.03	.03	.003	.000	.000

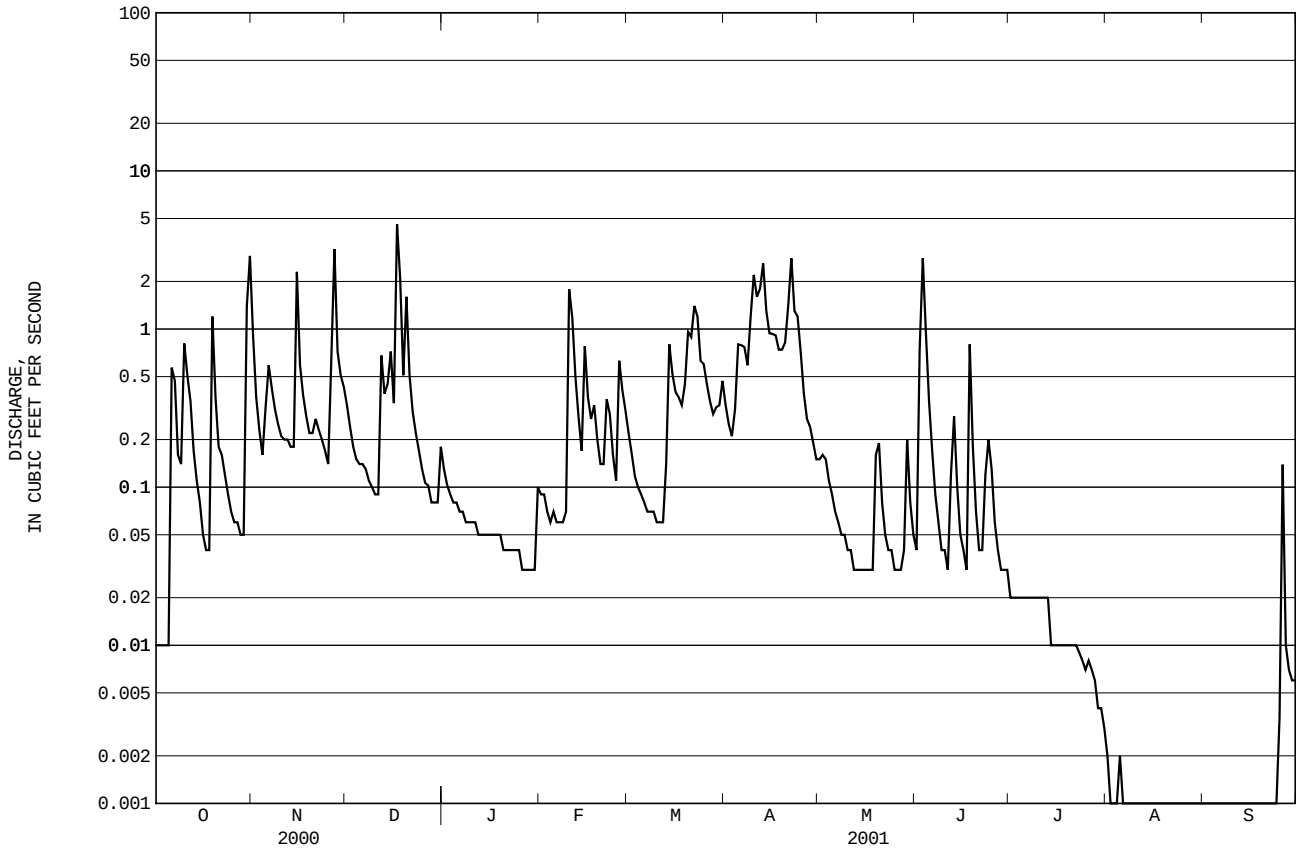
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

MEAN	.42	.47	.42	.13	.40	.45	.78	.16	.10	.041	.003	.20
MAX	.51	.50	.49	.20	.48	.52	.95	.25	.26	.11	.010	.56
(WY)	2000	2001	2001	2000	2000	2000	2001	2000	2001	2000	2000	1999
MIN	.33	.44	.36	.056	.32	.39	.61	.071	.016	.001	.000	.006
(WY)	2001	2000	2000	2001	2001	2001	2000	2001	1999	1999	2001	2001

e Estimated

01022835 CADILLAC BROOK NEAR BAR HARBOR, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	107.833		102.174			
ANNUAL MEAN	.29		.28		.29	
HIGHEST ANNUAL MEAN					.29	2000
LOWEST ANNUAL MEAN					.28	2001
HIGHEST DAILY MEAN	4.8	Apr 23	4.6	Dec 17	7.9	Sep 22 1999
LOWEST DAILY MEAN	.002	Sep 10	.000	Aug 3	.000	Jul 12 1999
ANNUAL SEVEN-DAY MINIMUM	.000	Sep 6	.000	Aug 7	.000	Jul 15 1999
MAXIMUM PEAK FLOW			17	Dec 17	26	Sep 22 1999
MAXIMUM PEAK STAGE			1.85	Dec 17	1.94	Sep 22 1999
INSTANTANEOUS LOW FLOW			.000	Jul 31	.000	Jul 7 1999
10 PERCENT EXCEEDS	.69		.78		.71	
50 PERCENT EXCEEDS	.08		.08		.06	
90 PERCENT EXCEEDS	.01		.00		.00	



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

LOCATION.--Lat 44°19'54", long 68°16'47", Hancock County, Hydrologic Unit 01050002, on right bank 300 ft upstream from carriage road in Acadia National Park, 0.3 mi northwest of Cedar Swamp Mountain.

DRAINAGE AREA.--0.182 mi^2. Furnished by the University of Maine

PERIOD OF RECORD.--April 1999 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 570 (revised) ft above National Geodetic Datum of 1929, from topographic map.

REMARKS.--Records poor, including periods of ice effect, Dec. 8-11, 21, 24-25, Jan. 2 to Feb. 11, Feb. 19, and Mar. 1-10, and period of doubtful gage-height record, Feb. 10-11. Satellite gage-height telemter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 49 ft^3/s, Dec. 17, 2000, from rating curve extended above 6.5 ft^3/s, gage height recorded, 4.66 ft, but may have been higher during period of doubful gage-height record, Feb. 10-11; no flow for many days in July, August, and September, 1999 and September, 2001.

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 26	2335	23[a]	4.45	Jun 2	2220	21[a]	4.43
Dec 17	0630	*49[a]	*4.66				

No flow for many days in September.

[a] From rating curve extended above 6.5 ft^3/s

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	2.3	.31	.14	e.10	e.25	.29	.53	.09	.06	.01	.01
2	.02	.85	.25	e.12	e.09	e.19	.26	.59	2.2	.06	.009	.009
3	.02	.55	.20	e.11	e.08	e.15	.24	.50	3.7	.05	.009	.006
4	.02	.44	.17	e.10	e.07	e.12	.31	.38	1.4	.05	.01	.009
5	.02	.60	.17	e.09	e.07	e.11	.59	.31	.56	.05	.01	.01
6	.26	.72	.15	e.09	e.08	e.10	.76	.23	.34	.04	.01	.001
7	.27	.48	.14	e.08	e.07	e.09	.61	.19	.23	.03	.01	.001
8	.15	.36	e.14	e.08	e.07	e.09	.63	.16	.17	.04	.01	.000
9	.16	.29	e.13	e.07	e.08	e.08	1.2	.14	.15	.07	.01	.000
10	1.4	.25	e.11	e.07	e1.9	e.08	2.5	.12	.12	.06	.01	.000
11	.98	.23	e.11	e.07	e1.2	.08	2.4	.11	.09	.06	.01	.006
12	.53	.21	.69	e.07	.51	.08	3.0	.09	.19	.05	.008	.000
13	.28	.20	.41	e.07	.31	.13	3.9	.08	.24	.04	.01	.000
14	.19	.20	.67	e.06	.19	.50	2.2	.08	.17	.03	.01	.000
15	.16	2.1	.79	e.06	.77	.37	1.5	.09	.13	.03	.008	.000
16	.11	.68	.32	e.06	.34	.27	1.7	.09	.09	.02	.004	.000
17	.10	.43	8.1	e.06	.26	.25	1.8	.08	.09	.03	.007	.000
18	.09	.33	3.0	e.06	.33	.24	1.4	.08	1.4	.04	.01	.000
19	2.0	.27	.61	e.05	e.22	.25	.98	.28	.35	.03	.007	.000
20	.57	.28	1.9	e.05	.16	.63	1.3	.25	.21	.02	.006	.000
21	.32	.31	e.63	e.05	.16	.70	2.5	.17	.15	.01	.01	.000
22	.24	.27	.36	e.05	.53	2.5	4.0	.13	.13	.01	.01	.04
23	.19	.23	.28	e.05	.31	1.9	3.0	.10	.16	.01	.008	.02
24	.17	.20	e.23	e.04	.14	.79	2.8	.08	.27	.01	.002	.01
25	.14	.18	e.18	e.04	.11	.65	2.0	.07	.32	.02	.001	.02
26	.13	1.7	.15	e.04	3.6	.47	.89	.07	.20	.02	.005	.28
27	.12	4.4	.13	e.04	.53	.38	.71	.07	.14	.01	.009	.05
28	.11	.87	.10	e.04	.34	.33	.69	.11	.11	.01	.01	.02
29	.09	.52	.11	e.04	---	.29	.51	.31	.07	.01	.02	.02
30	2.7	.42	.11	e.04	---	.28	.47	.17	.06	.01	.007	.01
31	5.0	---	.19	e.13	---	.34	---	.12	---	.01	.007	---
TOTAL	16.56	20.87	20.84	2.12	12.62	12.69	45.14	5.78	13.53	0.99	0.267	0.522
MEAN	.53	.70	.67	.068	.45	.41	1.50	.19	.45	.032	.009	.017
MAX	5.0	4.4	8.1	.14	3.6	2.5	4.0	.59	3.7	.07	.02	.28
MIN	.02	.18	.10	.04	.07	.08	.24	.07	.06	.01	.001	.000

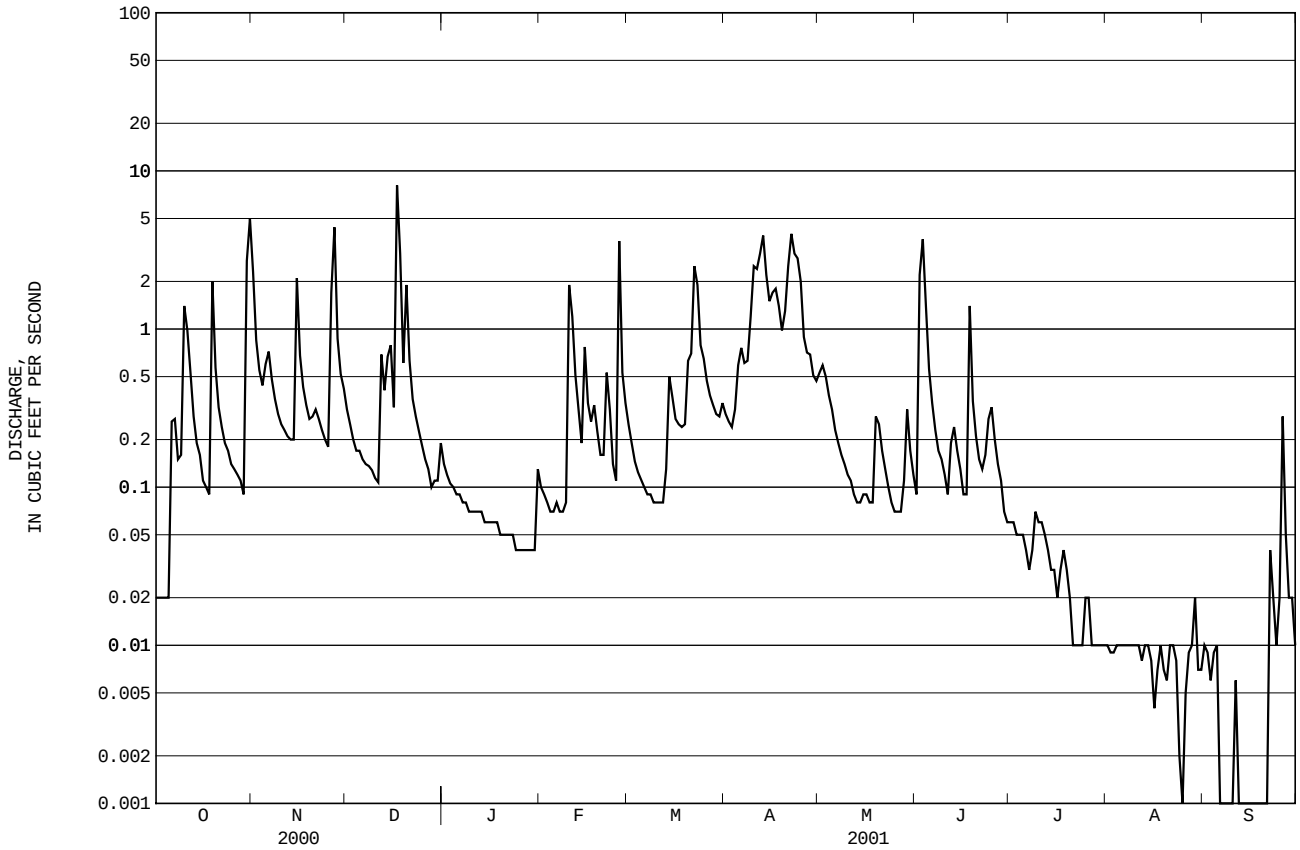
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

MEAN	.53	.70	.66	.27	.66	.76	1.36	.32	.19	.069	.010	.27
MAX	.53	.70	.67	.47	.86	1.12	1.50	.47	.45	.17	.017	.76
(WY)	2001	2000	2001	2000	2000	2000	2001	2000	2001	2000	2000	1999
MIN	.52	.70	.64	.068	.45	.41	1.21	.19	.039	.009	.004	.017
(WY)	2000	2001	2000	2001	2001	2001	2000	2001	1999	1999	1999	2001

e Estimated

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	192.725		151.929			
ANNUAL MEAN	.53		.42		.47	
HIGHEST ANNUAL MEAN					.52	2000
LOWEST ANNUAL MEAN					.42	2001
HIGHEST DAILY MEAN	9.4	Apr 23	8.1	Dec 17	11	Sep 22 1999
LOWEST DAILY MEAN	.005	Aug 29	.000	Sep 8	.000	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	.01	Aug 27	.000	Sep 12	.000	Aug 30 1999
MAXIMUM PEAK FLOW			49	Dec 17	49	Dec 17 2000
MAXIMUM PEAK STAGE			4.66	Dec 17	4.81	Feb 14 2000
INSTANTANEOUS LOW FLOW			.000	Sep 08	.000	Jul 28 1999
10 PERCENT EXCEEDS	1.3		1.1		1.1	
50 PERCENT EXCEEDS	.17		.13		.12	
90 PERCENT EXCEEDS	.02		.01		.01	



01029200 SEBOEIS RIVER NEAR SHIN POND, ME

LOCATION.--Lat 46°08'36", long 68°38'02", Aroostook County, Hydrologic Unit 01020002, on left bank at Route 159 crossing in T6 R7, 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 the periods of ice effect, Nov. 24-27, Dec. 2 to Apr. 21, and period of doubtful stage-discharge relation, Oct. 1 to Nov. 14, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,100 ft^3/s, Apr. 10, 2000, gage height, 10.58 ft; mimimum discharge, 6.0 ft^3/s, Sept. 20-21, 2001, gage height, 4.00 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,330 ft^3/s, Apr. 25, gage height, 9.26 ft; minimum discharge, 6.0 ft^3/s, Sept. 20-21, gage height, 4.00 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e20	e88	206	e227	e79	e63	e141	1260	130	68	58	43
2	e18	e121	e186	e212	e77	e61	e144	1170	127	63	52	43
3	e18	e132	e169	e201	e76	e59	e139	1110	212	54	48	29
4	e17	e123	e158	e195	e75	e57	e135	1040	366	48	42	22
5	e16	e116	e148	e185	e75	e56	e129	942	385	49	38	23
6	e16	e130	e138	e176	e73	e58	e119	832	365	53	35	19
7	e17	e135	e131	e168	e72	e56	e111	740	330	51	32	16
8	e19	e125	e125	e160	e74	e53	e107	662	285	46	28	14
9	e22	e115	e121	e154	e76	e52	e104	594	253	44	26	12
10	e27	e107	e117	e151	e91	e51	e102	544	233	45	28	11
11	e41	e101	e115	e145	e102	e52	e104	494	225	46	30	18
12	e57	e96	e111	e141	e108	e51	e109	446	297	50	26	17
13	e65	e88	e109	e135	e107	e52	e128	414	270	54	23	14
14	e65	e82	e108	e130	e104	e73	e153	375	230	52	22	12
15	e62	169	e107	e127	e100	e81	e184	385	198	56	19	11
16	e55	332	e107	e124	e96	e78	e229	402	172	60	17	9.8
17	e48	279	e135	e118	e90	e71	e280	368	156	86	17	8.5
18	e45	238	e365	e113	e85	e67	e340	331	161	156	17	7.6
19	e61	203	e457	e108	e81	e70	e391	330	155	138	15	6.9
20	e77	183	e419	e103	e76	e85	e426	320	156	90	14	6.4
21	e69	174	e398	e99	e77	e103	e535	291	144	71	14	7.4
22	e63	165	e380	e95	e75	e121	794	268	131	63	15	9.1
23	e54	156	e362	e94	e73	e145	1280	238	120	69	14	12
24	e50	e137	e343	e92	e71	e149	1760	212	122	85	13	13
25	e47	e128	e321	e90	e70	e144	2250	189	117	156	11	12
26	e45	e123	e303	e87	e68	e133	2060	169	105	146	8.9	130
27	e42	e156	e291	e85	e66	e126	1910	151	94	109	8.4	174
28	e43	214	e272	e84	e65	e120	1770	138	84	90	9.7	108
29	e47	218	e258	e81	---	e116	1580	142	70	79	16	80
30	e53	215	e250	e81	---	e114	1380	140	68	71	16	63
31	e65	---	e239	e79	---	e129	---	134	---	64	13	---
TOTAL	1344	4649	6949	4040	2282	2646	18894	14831	5761	2312	726.0	951.7
MEAN	43.4	155	224	130	81.5	85.4	630	478	192	74.6	23.4	31.7
MAX	77	332	457	227	108	149	2250	1260	385	156	58	174
MIN	16	82	107	79	65	51	102	134	68	44	8.4	6.4
CFSM	.25	.90	1.30	.75	.47	.49	3.64	2.77	1.11	.43	.14	.18
IN.	.29	1.00	1.49	.87	.49	.57	4.06	3.19	1.24	.50	.16	.20

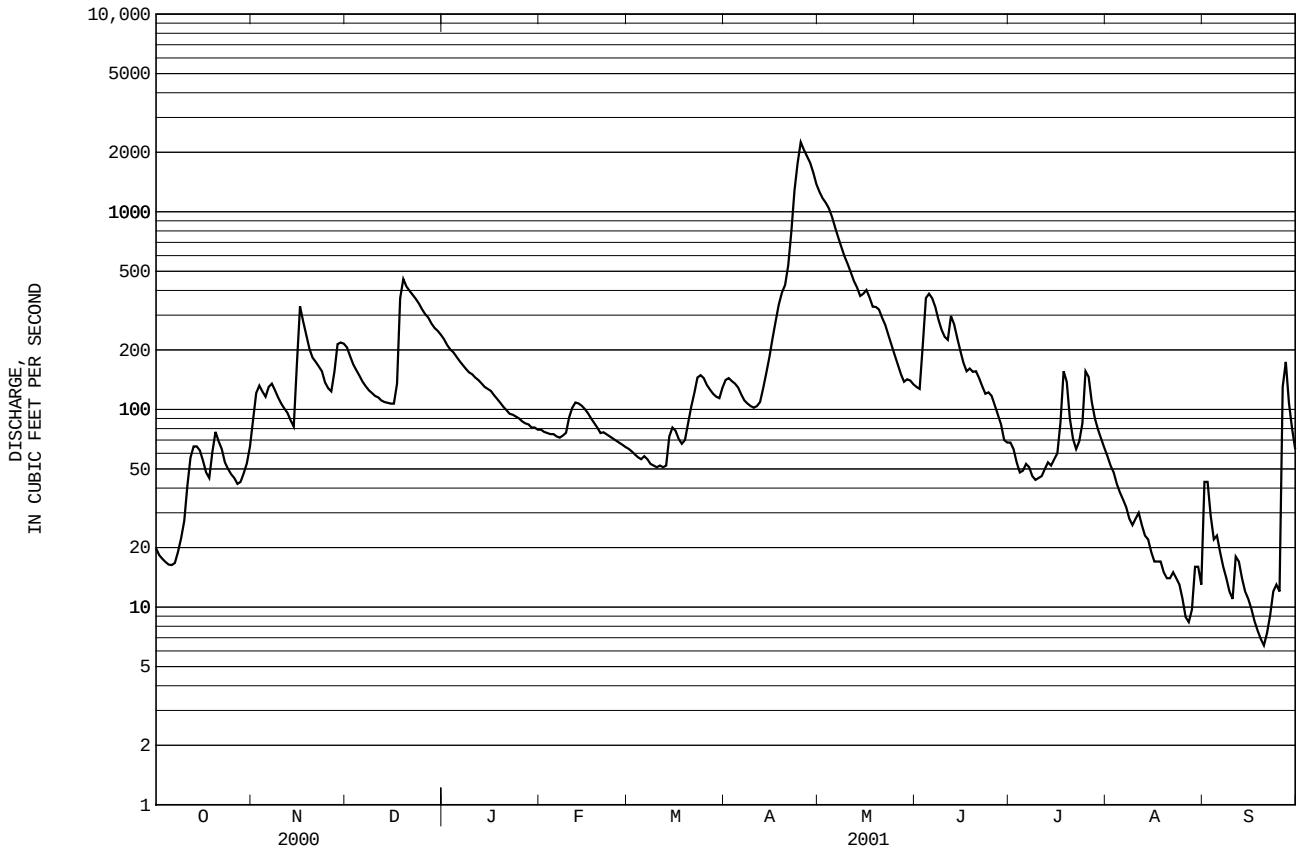
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

MEAN	174	225	247	145	113	328	1204	477	166	120	98.8	165
MAX	404	363	370	183	182	572	1670	706	192	239	233	535
(WY)	2000	2000	2000	1999	1999	1999	2000	2000	2001	1998	1999	1999
MIN	43.4	155	147	123	77.1	85.4	630	276	138	69.3	23.4	24.0
(WY)	2001	2001	1999	2000	2000	2001	2001	1999	2000	2000	2001	2000

e Estimated

01029200 SEBOEIS RIVER NEAR SHIN POND, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1998 - 2001	
ANNUAL TOTAL	109419		65385.7			
ANNUAL MEAN	299		179		279	
HIGHEST ANNUAL MEAN					359	2000
LOWEST ANNUAL MEAN					179	2001
HIGHEST DAILY MEAN	2880	Apr 10	2250	Apr 25	2880	Apr 10 2000
LOWEST DAILY MEAN	16	Oct 5	6.4	Sep 20	6.4	Sep 20 2001
ANNUAL SEVEN-DAY MINIMUM	17	Oct 2	8.0	Sep 16	8.0	Sep 16 2001
MAXIMUM PEAK FLOW			2330	Apr 25	3100	Apr 10 2000
MAXIMUM PEAK STAGE			9.26	Apr 25	10.58	Apr 10 2000
INSTANTANEOUS LOW FLOW			6.0	Sep 20	6.0	Sep 20 2001
ANNUAL RUNOFF (CFSM)	1.73		1.04		1.61	
ANNUAL RUNOFF (INCHES)	23.53		14.06		21.92	
10 PERCENT EXCEEDS	881		365		753	
50 PERCENT EXCEEDS	107		103		146	
90 PERCENT EXCEEDS	28		17		44	



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 period of ice effect, Nov. 25 to Apr. 20, which is fair. Flow regulated by Chamberlain, Telos, Second, Grand Lakes, and Round Pond, combined usable capacity, about 6.835 billion ft^3. Final regualtion at Grand Lake Dam 35 mi upstream. Satellite gage-height 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, 13,100 ft^3/s, Apr. 25, gage height, 10.25 ft; minimum daily discharge, 418 ft^3/s, Aug. 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	619	918	e1180	e1440	e665	e560	e679	5270	1060	683	633	530
2	616	975	e1040	e1390	e665	e555	e687	5100	1020	666	611	661
3	610	963	e846	e1330	e665	e551	e704	5580	1300	624	596	536
4	673	885	e965	e1290	e665	e547	e704	5940	3380	599	576	563
5	731	817	e852	e1240	e670	e547	e713	5530	3530	632	567	685
6	737	825	e823	e1190	e702	e534	e739	5200	2700	747	559	650
7	834	875	e660	e1180	e724	e526	e748	4650	2090	670	549	610
8	876	899	e607	e1140	e759	e521	e766	3760	1830	623	509	591
9	868	878	e574	e1100	e789	e513	e775	3280	1690	605	471	578
10	1040	840	e551	e1070	e833	e505	e794	2930	1600	598	470	563
11	1210	800	e578	e1020	e886	e505	e1060	2820	1530	606	465	604
12	1190	784	e669	e998	e916	e498	e1310	2550	1600	661	457	632
13	1230	772	e702	e958	e945	e515	e1580	2460	1530	681	454	619
14	1280	750	e660	e930	e930	e534	e1980	2260	1370	657	447	611
15	1270	1140	e629	e902	e902	e567	e2200	2210	1260	676	440	599
16	1090	1950	e611	e892	e867	e574	e2570	3320	1180	742	435	592
17	588	1650	e702	e866	e827	e595	e2920	3090	1130	797	433	556
18	531	1380	e1620	e846	e796	e595	e3020	2830	989	891	440	522
19	838	1210	e3750	e820	e753	e595	e2900	2720	969	895	437	515
20	1000	1110	e3300	e808	e713	e602	e3490	2380	1050	770	428	510
21	794	1060	e2890	e789	e680	e624	4290	2190	1030	674	466	520
22	675	1020	e2630	e771	e654	e647	5450	2010	996	628	479	583
23	603	973	e2380	e753	e624	e663	7730	1840	982	610	460	592
24	565	889	e2220	e724	e600	e679	9750	1750	968	618	442	559
25	542	e717	e2080	e713	e582	e671	12600	1580	975	795	424	554
26	528	e717	e1930	e702	e573	e655	12100	1410	914	1080	418	1720
27	512	e855	e1790	e686	e568	e632	10900	1260	863	999	427	1810
28	503	e1340	e1720	e670	e560	e609	9980	1220	735	933	431	1200
29	525	e1380	e1640	e665	---	e595	8730	1300	640	897	451	932
30	562	e1280	e1560	e655	---	e581	7160	1270	631	838	459	806
31	710	---	e1500	e655	---	e655	---	1120	---	661	435	---
TOTAL	24350	30652	43659	29193	20513	17950	119029	90830	41542	22556	14869	21003
MEAN	785	1022	1408	942	733	579	3968	2930	1385	728	480	700
MAX	1280	1950	3750	1440	945	679	12600	5940	3530	1080	633	1810
MIN	503	717	551	655	560	498	679	1120	631	598	418	510
CFSM	.72	.94	1.30	.87	.67	.53	3.65	2.70	1.28	.67	.44	.64
IN.	.83	1.05	1.50	1.00	.70	.61	4.08	3.11	1.42	.77	.51	.72

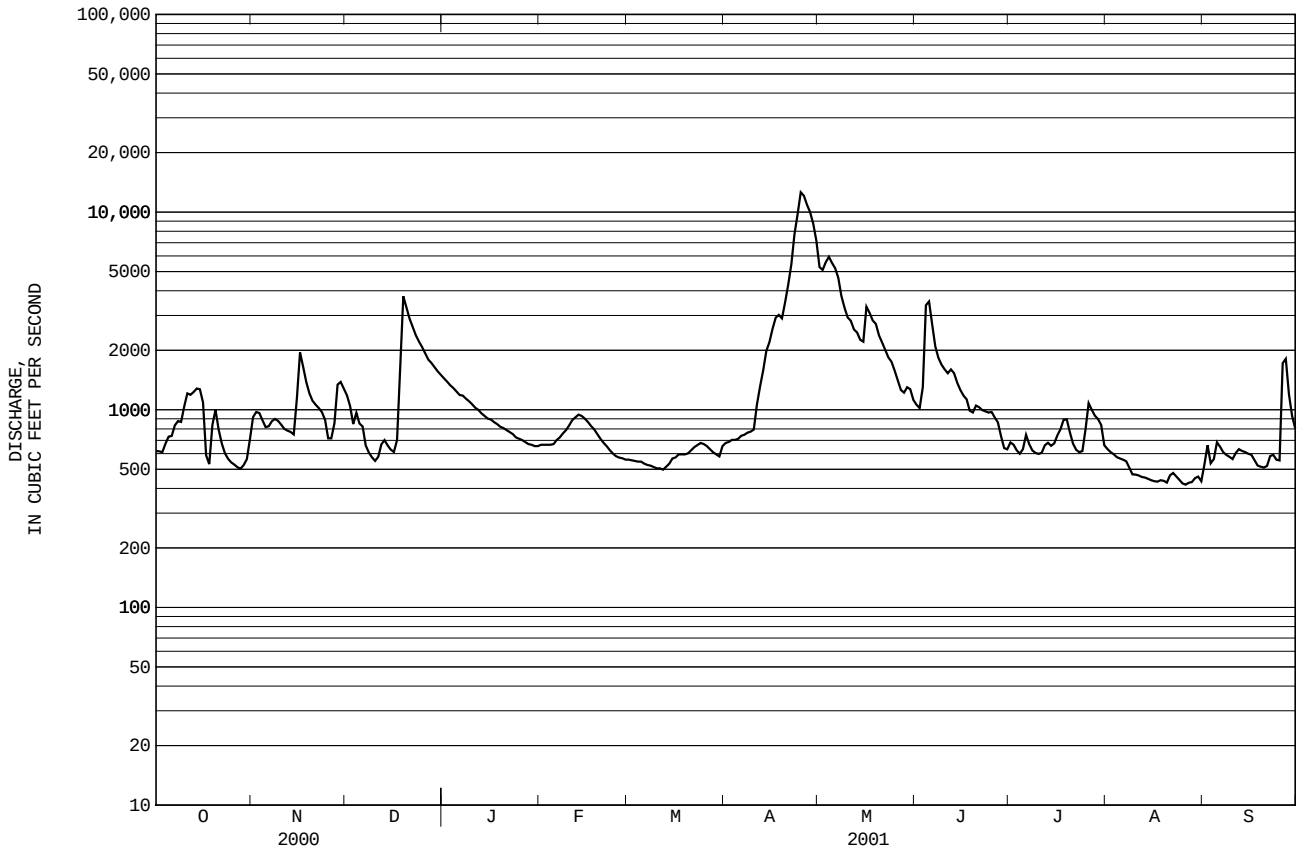
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2001, BY WATER YEAR (WY)

MEAN	1239	1754	1531	1086	1037	1557	4799	4877	2286	1343	899	962
MAX	5537	6564	6015	3552	3680	7851	9941	10890	6292	4697	2807	4200
(WY)	1982	1964	1951	1958	1970	1936	2000	1961	1917	1918	1976	1954
MIN	210	327	203	255	216	222	1268	2000	796	357	250	264
(WY)	1911	1956	1909	1948	1948	1923	1926	1999	1921	1955	1941	1910

e Estimated

01029500 EAST BRANCH PENOBSCOT RIVER AT GRINDSTONE, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1903 - 2001	
ANNUAL TOTAL	769947		476146			
ANNUAL MEAN	2104		1305		1949	
HIGHEST ANNUAL MEAN					2952	1958
LOWEST ANNUAL MEAN					1028	1911
HIGHEST DAILY MEAN	18700	Apr 10	12600	Apr 25	33700	Apr 30 1923
LOWEST DAILY MEAN	476	Sep 23	418	Aug 26	77	Nov 19 1924
ANNUAL SEVEN-DAY MINIMUM	495	Sep 18	435	Aug 25	117	Dec 25 1914
MAXIMUM PEAK FLOW			13100	Apr 25	37000	Apr 30 1923
MAXIMUM PEAK STAGE			10.25	Apr 25	16.90	Apr 30 1923
ANNUAL RUNOFF (CFSM)	1.94		1.20		1.79	
ANNUAL RUNOFF (INCHES)	26.37		16.31		24.39	
10 PERCENT EXCEEDS	5910		2590		4600	
50 PERCENT EXCEEDS	851		784		1130	
90 PERCENT EXCEEDS	539		524		430	



01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME

LOCATION.--Lat 45°30'03", long 68°18'22", 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 mile upstream at datum 12.94 ft higher. Mar. 11, 1991 to May 29, 1996 at site 0.5 mile upstream at datum 10.94 ft higher.

REMARKS.--Records good, except for periods of ice effect, Nov. 25-26, Dec. 3-17, and Dec. 26 to Apr. 15, which are fair. Satellite gage-height 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, 17,900 ft^3/s, Apr. 26, gage height, 13.89 ft; minimum discharge, 70 ft^3/s, Sept. 24-25, gage height, 3.53 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	155	840	3270	e1550	e531	e438	e1060	12000	892	219	432	80
2	149	1110	3010	e1460	e559	e429	e1060	10200	921	202	367	80
3	143	1210	e2370	e1380	e568	e419	e1050	8710	1010	198	323	83
4	134	1160	e2010	e1310	e559	e410	e1030	7680	1250	188	284	100
5	127	1070	e1770	e1250	e543	e403	e1010	7000	1580	180	247	144
6	128	1020	e1570	e1190	e532	e395	e1010	6350	1880	170	218	149
7	129	1010	e1400	e1140	e529	e388	e1060	5630	2010	159	198	145
8	129	987	e1270	e1100	e535	e382	e1120	4880	1910	153	178	153
9	130	966	e1170	e1050	e548	e377	e1210	4200	1680	150	163	160
10	152	921	e1090	e1010	e572	e378	e1370	3650	1440	148	150	156
11	186	861	e1030	e971	e613	e391	e1700	3210	1220	147	139	147
12	261	809	e976	e937	e638	e421	e2210	2820	1060	141	128	137
13	335	757	e976	e903	e654	e473	e2890	2480	929	180	119	127
14	369	720	e911	e870	e661	e540	e3710	2200	827	245	113	117
15	367	765	e873	e839	e657	e585	e4640	2060	741	245	107	107
16	347	1180	e889	e812	e645	e597	5640	2230	669	250	99	98
17	321	1800	e1000	e783	e627	e575	6830	2380	595	304	95	92
18	302	2030	2100	e759	e606	e551	8050	2320	541	484	91	86
19	325	1960	3950	e734	e587	e537	8820	2240	492	784	87	82
20	411	1780	5270	e711	e567	e549	9340	2260	460	890	86	76
21	561	1610	6120	e691	e547	e595	9870	2200	423	793	89	73
22	653	1480	6030	e671	e531	e691	11000	2020	378	661	87	74
23	628	1370	5320	e654	e515	e866	13300	1810	347	552	85	74
24	570	1240	4410	e636	e499	e1000	15400	1610	325	487	85	71
25	523	e1030	3590	e619	e484	e1080	16800	1410	319	511	81	70
26	481	e921	e2830	e604	e471	e1130	17500	1260	322	936	77	92
27	450	1180	e2370	e588	e459	e1110	17400	1120	314	1060	76	100
28	417	2050	e2100	e574	e448	e1070	16700	1010	295	895	79	180
29	422	3000	e1900	e562	---	e1020	15400	949	260	728	82	406
30	448	3330	e1760	e548	---	e977	13700	925	233	598	81	536
31	560	---	e1650	e536	---	e1010	---	879	---	506	78	---
TOTAL	10313	40167	74985	27442	15685	19787	211880	109693	25323	13164	4524	3995
MEAN	333	1339	2419	885	560	638	7063	3538	844	425	146	133
MAX	653	3330	6120	1550	661	1130	17500	12000	2010	1060	432	536
MIN	127	720	873	536	448	377	1010	879	233	141	76	70
CFSM	.23	.94	1.71	.62	.40	.45	4.98	2.50	.60	.30	.10	.09
IN.	.27	1.05	1.97	.72	.41	.52	5.56	2.88	.66	.35	.12	.10

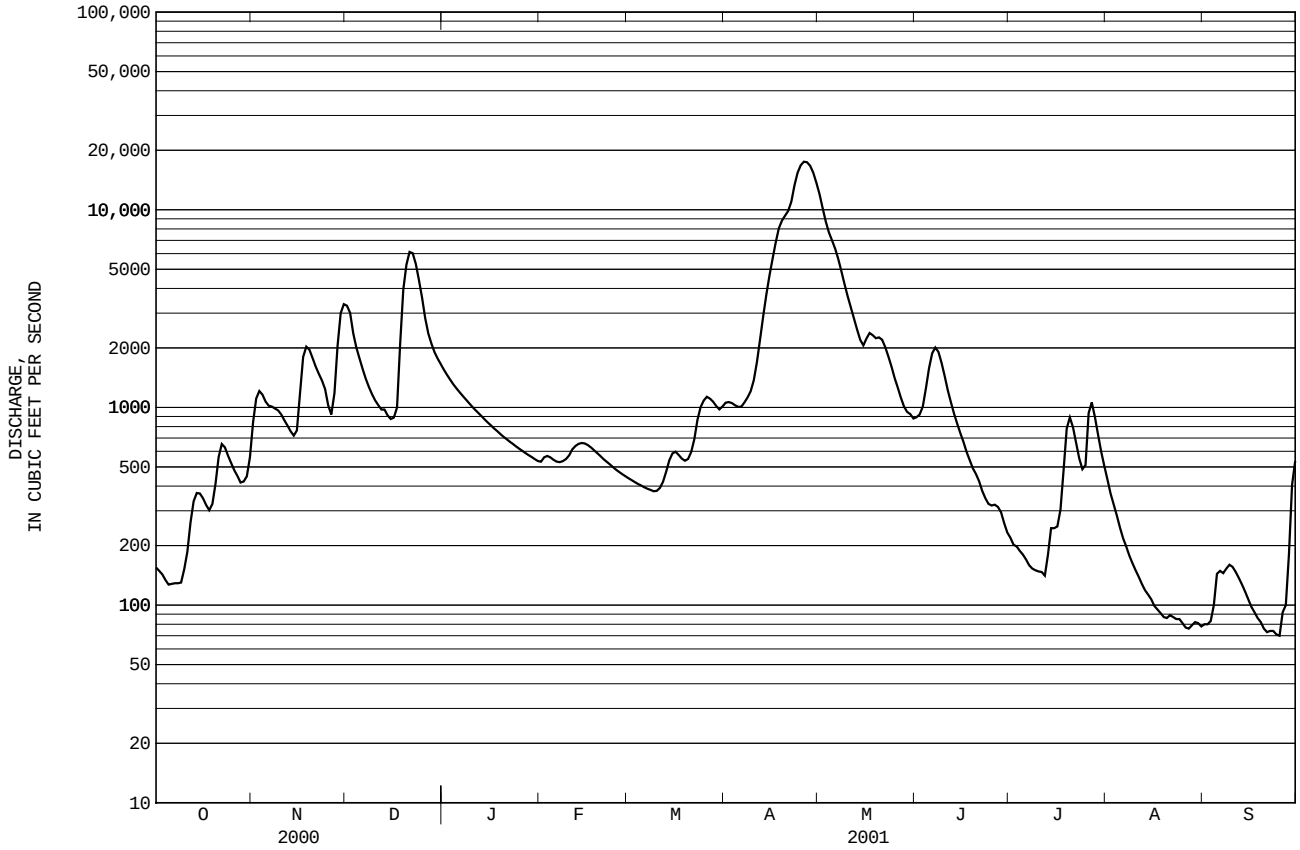
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2001, BY WATER YEAR (WY)

MEAN	1396	2712	2596	1422	1276	2216	8473	5498	1983	1026	720	811
MAX	6901	8428	9871	3938	4685	11330	13950	12760	7262	5658	2565	5106
(WY)	1982	1964	1951	1978	1970	1936	1976	1961	1984	1996	1962	1954
MIN	146	219	105	197	165	230	3012	1254	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1935 - 2001	
ANNUAL TOTAL	949746		556958			
ANNUAL MEAN	2595		1526		2509	
HIGHEST ANNUAL MEAN					4015	1984
LOWEST ANNUAL MEAN					1307	1985
HIGHEST DAILY MEAN	17100	Apr 7	17500	Apr 26	29200	Mar 23 1936
LOWEST DAILY MEAN	127	Oct 5	70	Sep 25	32	Sep 4 1995
ANNUAL SEVEN-DAY MINIMUM	131	Oct 3	74	Sep 19	33	Sep 1 1995
MAXIMUM PEAK FLOW			17900	Apr 26	29200	Mar 23 1936
MAXIMUM PEAK STAGE			13.89	Apr 26	15.34	Mar 23 1936
INSTANTANEOUS LOW FLOW			70	Sep 24	30	Sep 7 1995
ANNUAL RUNOFF (CFSM)	1.83		1.08		1.77	
ANNUAL RUNOFF (INCHES)	24.92		14.61		24.04	
10 PERCENT EXCEEDS	7150		3230		6480	
50 PERCENT EXCEEDS	976		653		1210	
90 PERCENT EXCEEDS	274		118		262	



01031300 PISCATAQUIS RIVER AT BLANCHARD, ME

LOCATION.--Lat 45°16'02", long 69°35'03", Piscataquis County, Hydrologic Unit 01020004, on left bank at downstream side of bridge in the Town of Blanchard, 1.0 miles 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. 25-27, Dec. 2-17, and Dec. 24 to Apr. 12, which are fair. Satellite gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located following the surface-water records section.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,550 ft^3/s, Apr. 9, 2000, gage height 11.38; minimum discharge, 4.8 ft^3/s, Sept. 19-21, 2001, gage height 3.24 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)
Dec 18	0300	*3,250	*8.78	Apr 24	2300	2,940	8.53

Minimum discharge, 4.8 ft^3/s, Sept. 19-21, gage height, 3.24 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	171	146	e196	e62	e34	e66	636	112	26	13	17
2	7.1	163	e120	e187	e56	e34	e63	653	111	24	11	16
3	7.0	133	e95	e175	e51	e34	e58	648	387	21	11	9.5
4	6.9	107	e79	e164	e48	e33	e57	591	595	20	9.6	8.6
5	6.6	90	e68	e151	e47	e33	e70	525	551	28	9.0	20
6	12	79	e59	e139	e48	e33	e88	431	396	29	8.4	13
7	16	72	e53	e127	e72	e31	e99	332	278	23	8.0	9.3
8	17	66	e48	e117	e61	e31	e107	270	208	20	7.6	8.0
9	21	60	e45	e106	e52	e31	e117	225	166	42	8.5	7.3
10	36	56	e42	e98	e59	e31	e177	195	134	89	8.2	6.9
11	46	55	e41	e91	e55	e31	e283	171	115	75	7.7	8.7
12	60	55	e61	e86	e49	e31	e373	151	102	126	7.0	7.3
13	76	51	e76	e81	e49	e30	474	158	100	70	6.8	6.5
14	72	53	e70	e76	e48	e34	564	145	88	52	6.5	6.0
15	60	328	e65	e73	e48	e36	566	137	78	49	6.0	5.6
16	47	357	e84	e70	e47	e34	626	161	69	45	5.7	5.4
17	36	265	e336	e68	e46	e34	754	151	74	67	5.9	5.1
18	34	195	2260	e65	e43	e35	764	136	85	88	6.5	5.1
19	85	154	1260	e63	e40	e38	634	168	68	67	6.3	5.0
20	81	129	824	e61	e40	e46	595	177	56	48	5.9	4.9
21	66	120	620	e59	e40	e68	790	147	47	38	7.3	6.3
22	51	110	455	e57	e37	e84	1410	123	43	32	9.9	8.2
23	41	96	370	e55	e35	e87	2110	106	39	28	9.8	9.3
24	34	76	e279	e54	e38	e79	2440	92	60	25	7.9	8.9
25	30	e63	e235	e52	e37	e69	2450	82	65	23	6.4	12
26	27	e77	e218	e51	e41	e62	1690	74	48	21	5.9	67
27	25	e173	e213	e50	e40	e57	1250	70	39	18	7.5	45
28	23	206	e208	e49	e37	e54	1020	88	33	16	8.4	28
29	25	176	e206	e48	---	e51	804	200	27	16	7.5	21
30	33	163	e212	e47	---	e52	670	176	25	15	6.4	18
31	143	---	e205	e56	---	e60	---	141	---	15	5.9	---
TOTAL	1231.9	3899	9053	2772	1326	1397	21169	7360	4199	1256	241.5	398.9
MEAN	39.7	130	292	89.4	47.4	45.1	706	237	140	40.5	7.79	13.3
MAX	143	357	2260	196	72	87	2450	653	595	126	13	67
MIN	6.6	51	41	47	35	30	57	70	25	15	5.7	4.9
CFSM	.34	1.10	2.47	.76	.40	.38	5.98	2.01	1.19	.34	.07	.11
IN.	.39	1.23	2.85	.87	.42	.44	6.67	2.32	1.32	.40	.08	.13

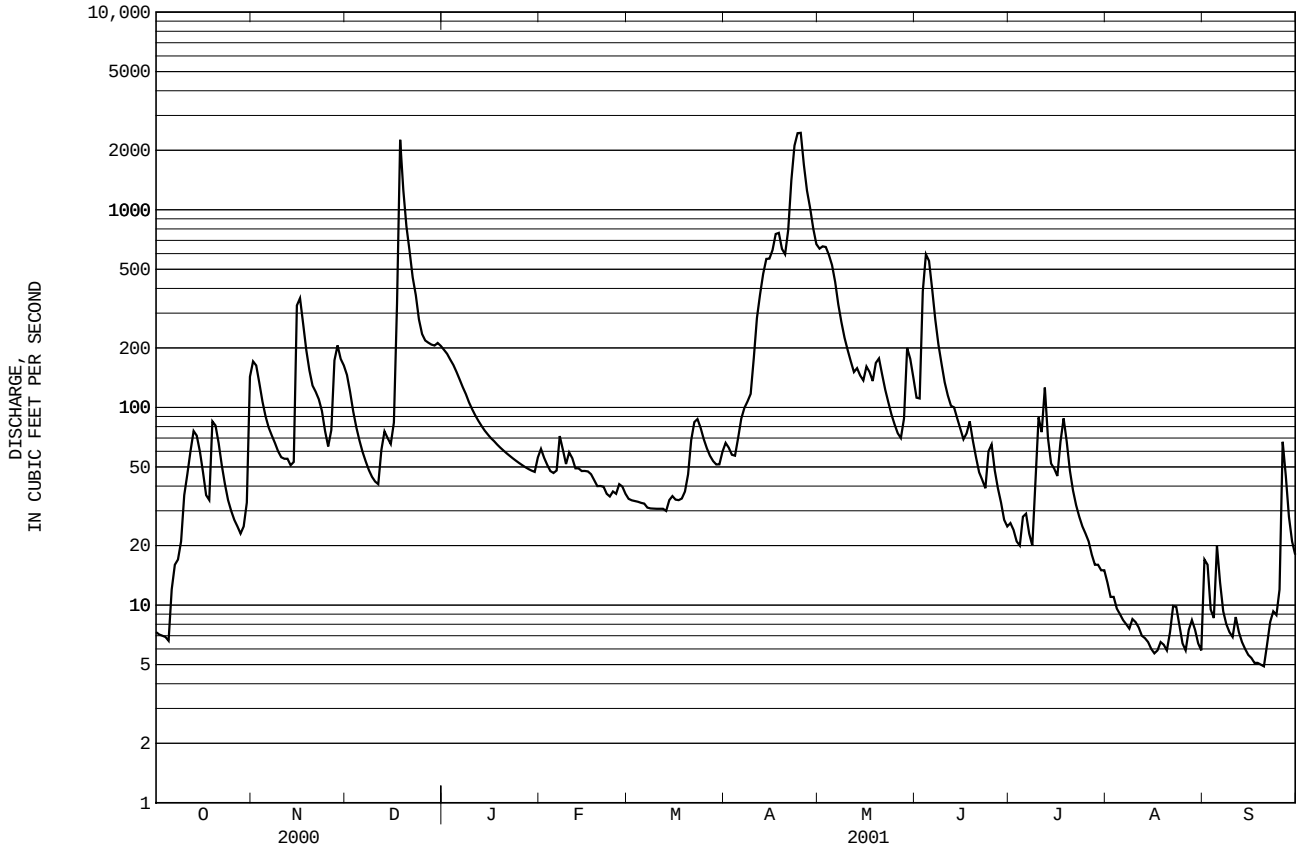
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

MEAN	147	241	238	122	103	343	869	361	208	76.3	19.2	95.7
MAX	380	368	507	300	208	585	1252	689	543	199	33.2	383
(WY)	2000	1998	1997	1999	1998	1998	2000	1997	1998	1998	1998	1999
MIN	32.7	130	66.1	61.5	47.4	45.1	558	133	62.8	27.2	7.79	13.0
(WY)	1998	2001	1998	2000	2001	2001	1999	1999	2000	2000	2001	2000

e Estimated

01031300 PISCATAQUIS RIVER AT BLANCHARD, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1997 - 2001	
ANNUAL TOTAL	85733.1		54303.3			
ANNUAL MEAN	234		149		235	
HIGHEST ANNUAL MEAN					286	1998
LOWEST ANNUAL MEAN					149	2001
HIGHEST DAILY MEAN	4240	Apr 9	2450	Apr 25	4240	Apr 9 2000
LOWEST DAILY MEAN	6.6	Oct 5	4.9	Sep 20	4.9	Sep 20 2001
ANNUAL SEVEN-DAY MINIMUM	7.0	Sep 29	5.3	Sep 14	5.3	Sep 14 2001
MAXIMUM PEAK FLOW			3250	Dec 18	7550	Apr 9 2000
MAXIMUM PEAK STAGE			8.78	Dec 18	11.38	Apr 9 2000
INSTANTANEOUS LOW FLOW			4.8	Sep 19	4.8	Sep 19 2001
ANNUAL RUNOFF (CFSM)	1.99		1.26		1.99	
ANNUAL RUNOFF (INCHES)	27.03		17.12		27.07	
10 PERCENT EXCEEDS	602		344		634	
50 PERCENT EXCEEDS	60		57		88	
90 PERCENT EXCEEDS	10		8.0		15	



01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME

LOCATION.--Lat 45°11'05", long 69°27'10", Piscataquis County, Hydrologic Unit 01020004, on left bank 200' upstream from Route 15/16 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. 24-26, Dec. 2-17, and Dec. 20 to Apr. 14, and period of no gage-height record Feb. 22-25, which are fair. Low flow may be regulated by operation of Kingsbury Pond Dam above station. Satellite gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located following the surface-water records section.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,290 ft^3/s, Apr. 9, 2000, gage height, 12.81 ft; 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)
Dec 18	0445	*4,790	*12.49	June 3	1730	1,440	10.09
Apr 25	0200	2,370	11.02				

Minimum discharge, 1.1 ft^3/s, Aug. 20, gage height, 4.48 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	162	105	e158	e46	e36	e99	488	69	25	4.2	3.2
2	11	113	e87	e146	e47	e34	e97	480	68	28	4.3	3.3
3	11	88	e69	e131	e45	e33	e84	436	874	22	3.8	5.9
4	11	70	e58	e120	e41	e32	e78	358	817	17	3.2	4.6
5	10	57	e50	e110	e39	e32	e96	311	506	16	2.8	4.3
6	14	51	e44	e101	e39	e32	e127	256	327	15	2.6	3.4
7	25	47	e39	e93	e43	e32	e153	204	225	13	2.4	2.9
8	24	43	e35	e87	e50	e32	e162	172	165	11	2.2	2.6
9	21	40	e31	e81	e45	e32	e169	148	129	11	2.4	2.5
10	30	37	e28	e77	e41	e32	e388	130	104	12	2.6	2.3
11	44	36	e26	e73	e44	e33	e644	115	93	15	2.8	2.0
12	34	38	e40	e69	e42	e33	e790	100	86	22	2.5	1.7
13	32	37	e68	e66	e41	e33	e843	106	101	21	2.2	1.6
14	32	36	e71	e63	e40	e35	e837	97	83	17	1.8	1.4
15	28	365	e68	e60	e40	e39	798	87	69	15	1.6	1.3
16	24	291	e69	e58	e40	e41	851	110	59	15	1.4	9.8
17	20	156	e328	e56	e39	e41	993	108	55	16	1.4	18
18	21	108	3000	e55	e38	e42	885	91	95	27	1.4	17
19	71	82	988	e53	e38	e46	626	125	67	29	1.2	30
20	70	68	e593	e51	e37	e88	636	162	53	23	1.2	32
21	49	64	e438	e50	e37	e185	902	115	45	17	1.8	34
22	39	61	e344	e49	e36	e253	1440	89	39	13	2.5	34
23	32	54	e289	e47	e36	e197	1820	76	37	11	3.4	31
24	29	e46	e238	e46	e36	e152	1880	67	44	9.7	3.9	28
25	26	e41	e211	e45	e36	e123	1890	58	77	8.8	3.5	28
26	23	e37	e197	e44	e37	e103	1180	52	58	8.0	2.7	70
27	21	71	e190	e43	e39	e92	897	48	43	6.7	2.5	55
28	20	166	e184	e42	e37	e82	767	76	34	6.1	2.4	40
29	20	135	e180	e41	---	e76	608	161	29	5.4	2.7	32
30	25	120	e180	e41	---	e72	506	120	25	4.7	2.8	28
31	150	---	e170	e43	---	e71	---	85	---	4.4	2.6	---
TOTAL	978	2720	8418	2199	1129	2164	21246	5031	4476	464.8	78.8	529.8
MEAN	31.5	90.7	272	70.9	40.3	69.8	708	162	149	15.0	2.54	17.7
MAX	150	365	3000	158	50	253	1890	488	874	29	4.3	70
MIN	10	36	26	41	36	32	78	48	25	4.4	1.2	1.3
CFSM	.33	.95	2.85	.74	.42	.73	7.42	1.70	1.56	.16	.03	.19
IN.	.38	1.06	3.28	.86	.44	.84	8.28	1.96	1.75	.18	.03	.21

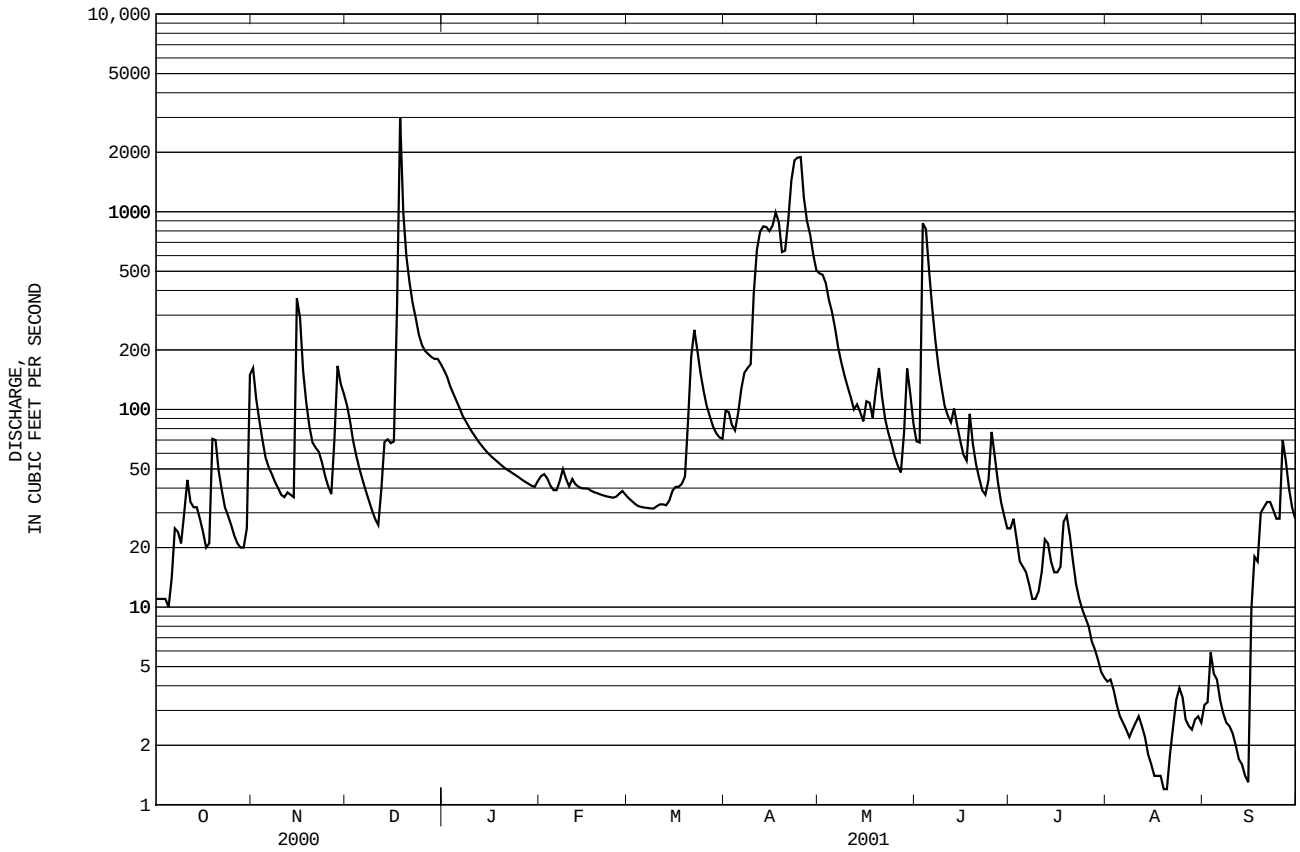
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2001, BY WATER YEAR (WY)

MEAN	118	188	155	96.5	98.9	438	715	216	209	48.9	15.7	76.4
MAX	325	337	272	201	186	665	942	301	535	127	26.9	295
(WY)	2000	2000	2001	1999	1998	1998	2000	2000	1998	1998	1997	1999
MIN	28.8	90.7	53.5	50.7	40.3	69.8	436	115	55.8	15.0	2.54	12.7
(WY)	1998	2001	1998	2000	2001	2001	1999	1999	2000	2001	2001	1998

e Estimated

01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1997 - 2001	
ANNUAL TOTAL	69885		49434.4			
ANNUAL MEAN	191		135		198	
HIGHEST ANNUAL MEAN					245	1998
LOWEST ANNUAL MEAN					135	2001
HIGHEST DAILY MEAN	3390	Mar 29	3000	Dec 18	3390	Mar 29 2000
LOWEST DAILY MEAN	10	Oct 5	1.2	Aug 19	1.2	Aug 19 2001
ANNUAL SEVEN-DAY MINIMUM	11	Sep 29	1.4	Aug 14	1.4	Aug 14 2001
MAXIMUM PEAK FLOW			4790	Dec 18	5290	Apr 9 2000
MAXIMUM PEAK STAGE			12.49	Dec 18	12.81	Apr 9 2000
INSTANTANEOUS LOW FLOW			1.1	Aug 20	1.1	Aug 20 2001
ANNUAL RUNOFF (CFSM)	2.00		1.42		2.08	
ANNUAL RUNOFF (INCHES)	27.25		19.28		28.22	
10 PERCENT EXCEEDS	441		317		519	
50 PERCENT EXCEEDS	46		44		61	
90 PERCENT EXCEEDS	16		3.4		13	



01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME

LOCATION.--Lat 45°10'31", long 69°18'55", 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. July 20, 1930 to Oct. 1, 1981, at datum 0.37 ft lower.

REMARKS.--Records good, except for periods of ice effect, Nov. 24-27, 30, Dec. 2-15, Dec. 20 to Mar. 22, Mar. 24-31, Apr. 4-5, 10-14, and period of no gage-height record, July 5, which are fair. Low flow may be regulated by operation of mills above station. Telephone and satellite gage-height telemeters at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located following the surface-water records section.

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)
Dec 18	1145	*8,820	*9.95	Apr 25	0545	6,090	8.14

Minimum discharge, 8.0 ft^3/s, Sept. 14 and 16-17, gage height, 1.32 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	385	327	e647	e153	e118	187	1360	209	69	25	14
2	22	325	e270	e603	e144	e112	199	1340	190	71	23	13
3	24	270	e198	e555	e129	e105	189	1290	1270	61	21	17
4	21	219	e168	e522	e119	e99	183	1130	2020	55	20	20
5	21	183	e142	e475	e110	e96	e198	986	1430	e55	19	20
6	26	161	e126	e442	e122	e98	e255	819	1010	57	17	18
7	33	146	e118	e402	e134	e99	326	658	691	56	17	19
8	40	133	e107	e361	e143	e96	361	536	495	51	16	18
9	41	119	e84	e323	e146	e100	400	443	366	46	16	15
10	66	111	e82	e277	e147	e111	e546	377	290	75	15	13
11	110	109	e78	e259	e146	e113	e1020	330	247	90	15	11
12	107	108	e100	e241	e143	e107	e1430	287	223	140	14	10
13	111	107	e139	e226	e142	e108	e1820	278	236	125	13	10
14	116	103	e146	e217	e139	e128	e2040	261	212	90	13	9.0
15	104	630	e139	e211	e139	e155	2030	233	178	82	13	9.1
16	87	874	144	e205	e134	e175	2170	274	152	84	13	8.6
17	73	572	405	e197	e130	e163	2580	285	139	90	12	8.9
18	70	401	7060	e195	e128	e162	2570	249	200	131	12	12
19	164	303	3820	e188	e124	e171	1950	293	171	128	12	16
20	223	249	e1930	e183	e120	e203	1780	398	136	99	11	23
21	169	227	e1260	e176	e120	e270	2240	310	111	77	11	32
22	134	215	e946	e169	e119	e351	3600	243	98	64	11	39
23	110	190	e903	e165	e119	517	4840	205	90	55	12	38
24	94	e152	e861	e160	e117	e392	5200	176	106	50	13	35
25	82	e126	e821	e154	e121	e315	5510	156	190	45	14	35
26	74	e115	e801	e149	e135	e247	3820	135	159	41	14	77
27	68	e168	e764	e144	e141	e211	2740	123	120	37	13	118
28	63	413	e729	e142	e134	e189	2230	162	94	32	12	78
29	59	386	e695	e137	---	e180	1780	347	78	30	13	58
30	72	e351	e695	e135	---	e172	1460	357	70	28	12	49
31	237	---	e672	e147	---	e169	---	266	---	26	12	---
TOTAL	2643	7851	24730	8407	3698	5532	55654	14307	10981	2140	454	843.6
MEAN	85.3	262	798	271	132	178	1855	462	366	69.0	14.6	28.1
MAX	237	874	7060	647	153	517	5510	1360	2020	140	25	118
MIN	21	103	78	135	110	96	183	123	70	26	11	8.6
CFSM	.29	.88	2.68	.91	.44	.60	6.23	1.55	1.23	.23	.05	.09
IN.	.33	.98	3.09	1.05	.46	.69	6.95	1.79	1.37	.27	.06	.11

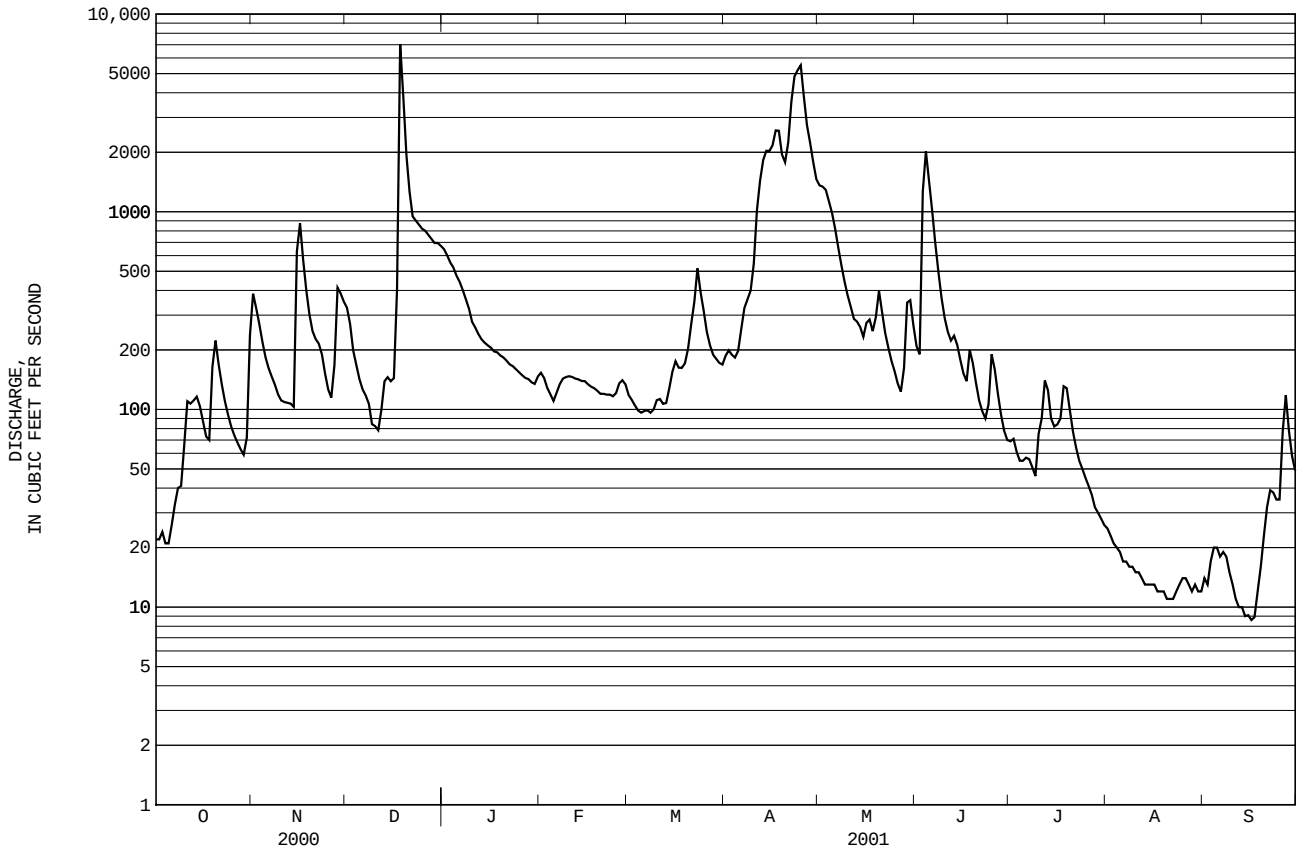
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2001, BY WATER YEAR (WY)

MEAN	394	679	546	312	276	612	2083	1264	472	242	170	185
MAX	1910	2468	2699	1441	1582	3791	3459	3399	1916	1378	974	1461
(WY)	1978	1964	1974	1996	1970	1936	1983	1969	1917	1996	1917	1954
MIN	35.2	39.0	47.5	61.5	31.2	105	766	286	68.8	42.9	14.6	16.7
(WY)	1948	1911	1979	1918	1980	1967	1981	1903	1921	1965	2001	1948

e Estimated

01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1903 - 2001	
ANNUAL TOTAL	204140		137240.6			
ANNUAL MEAN	558		376		603	
HIGHEST ANNUAL MEAN					990	1954
LOWEST ANNUAL MEAN					238	1911
HIGHEST DAILY MEAN	9080	Apr 10	7060	Dec 18	31700	Apr 1 1987
LOWEST DAILY MEAN	21	Oct 4	8.6	Sep 16	5.0	Aug 6 1905
ANNUAL SEVEN-DAY MINIMUM	22	Sep 29	9.5	Sep 11	9.5	Sep 11 2001
MAXIMUM PEAK FLOW			8820	Dec 18	37300	Apr 1 1987
MAXIMUM PEAK STAGE			9.95	Dec 18	22.62	Apr 1 1987
INSTANTANEOUS LOW FLOW			8.0	Sep 14	5.0	Aug 6 1905
ANNUAL RUNOFF (CFSM)	1.87		1.26		2.02	
ANNUAL RUNOFF (INCHES)	25.48		17.13		27.48	
10 PERCENT EXCEEDS	1350		866		1550	
50 PERCENT EXCEEDS	143		139		253	
90 PERCENT EXCEEDS	34		16		54	



01034000 PISCATAQUIS RIVER AT MEDFORD, ME

LOCATION.--Lat 45°15'40", 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 analysis: 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, Nov. 25-26, Dec. 3-17, and Dec. 22 to Apr. 9, which are fair. Flow regulated by Sebec Lake, 15 mi upstream, and other small reservoirs and power plants above station, usable capacity about 2.511 billion ft^3. Satellite gage-height 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)
Dec 18	1930	*23,100	*9.71	Apr 25	1900	19,600	8.95

Minimum discharge, 77 ft^3/s, Sept. 20, gage height, 1.10 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	176	1560	1600	e3140	e823	e642	e927	6200	862	370	260	140
2	180	1530	1360	e2960	e795	e610	e898	5510	771	353	242	141
3	184	1390	e1150	e2780	e747	e476	e864	5940	1140	339	223	143
4	190	1280	e641	e2610	e717	e469	e791	5910	4850	322	193	144
5	200	1130	e556	e2460	e692	e466	e877	5490	4530	321	182	160
6	215	1060	e666	e2340	e670	e476	e1040	4570	3810	329	173	170
7	232	997	e623	e2220	e655	e472	e1270	3970	3020	324	164	162
8	242	944	e586	e2070	e782	e368	e1420	3450	2460	315	156	151
9	244	929	e539	e1960	e795	e374	e1670	3050	2010	306	151	143
10	302	885	e548	e1820	e786	e611	2110	2280	1720	302	150	137
11	462	887	e540	e1700	e774	e611	2950	2110	1130	334	148	130
12	541	856	e510	e1570	e550	e594	4030	1800	884	461	141	123
13	533	848	e699	e1490	e763	e596	4950	1490	772	650	134	118
14	540	801	e752	e1460	e728	e580	6040	1430	824	663	129	112
15	741	1350	e725	e1390	e701	e605	6890	1140	764	551	130	107
16	718	2980	e747	e1310	e687	e585	7340	1150	683	519	132	102
17	746	2480	e1080	e1280	e686	e651	8560	1310	610	681	130	98
18	886	1980	14400	e1210	e680	e697	9200	1250	627	763	136	93
19	1280	1630	17400	e1180	e671	e752	8060	1200	743	768	129	82
20	1680	1380	10200	e1070	e662	e870	7360	1290	778	687	122	79
21	1550	1280	7130	e1050	e666	e1070	7990	1270	699	569	127	81
22	1340	1190	e5520	e1000	e657	e1320	10600	1090	685	477	131	92
23	1180	1120	e4470	e959	e655	e1570	14200	954	522	411	139	125
24	1070	972	e4080	e934	e649	e1780	16400	858	428	382	137	194
25	967	e769	e3910	e877	e656	e1400	18600	774	518	374	130	252
26	894	e722	e3730	e854	e615	e1150	16500	706	674	342	124	605
27	848	1080	e3580	e806	e697	e1040	12400	625	611	315	122	856
28	803	1570	e3430	e792	e677	e965	10100	604	510	285	129	740
29	752	1790	e3330	e779	---	e924	8450	770	433	272	142	566
30	846	1700	e3320	e769	---	e902	7100	1110	385	262	135	452
31	941	---	e3260	e750	---	e947	---	1010	---	261	132	---
TOTAL	21483	39090	101082	47590	19636	24573	199587	70311	38453	13308	4673	6498
MEAN	693	1303	3261	1535	701	793	6653	2268	1282	429	151	217
MAX	1680	2980	17400	3140	823	1780	18600	6200	4850	768	260	856
MIN	176	722	510	750	550	368	791	604	385	261	122	79
CFSM	.60	1.12	2.81	1.32	.60	.68	5.73	1.95	1.10	.37	.13	.19
IN.	.69	1.25	3.24	1.52	.63	.79	6.39	2.25	1.23	.43	.15	.21

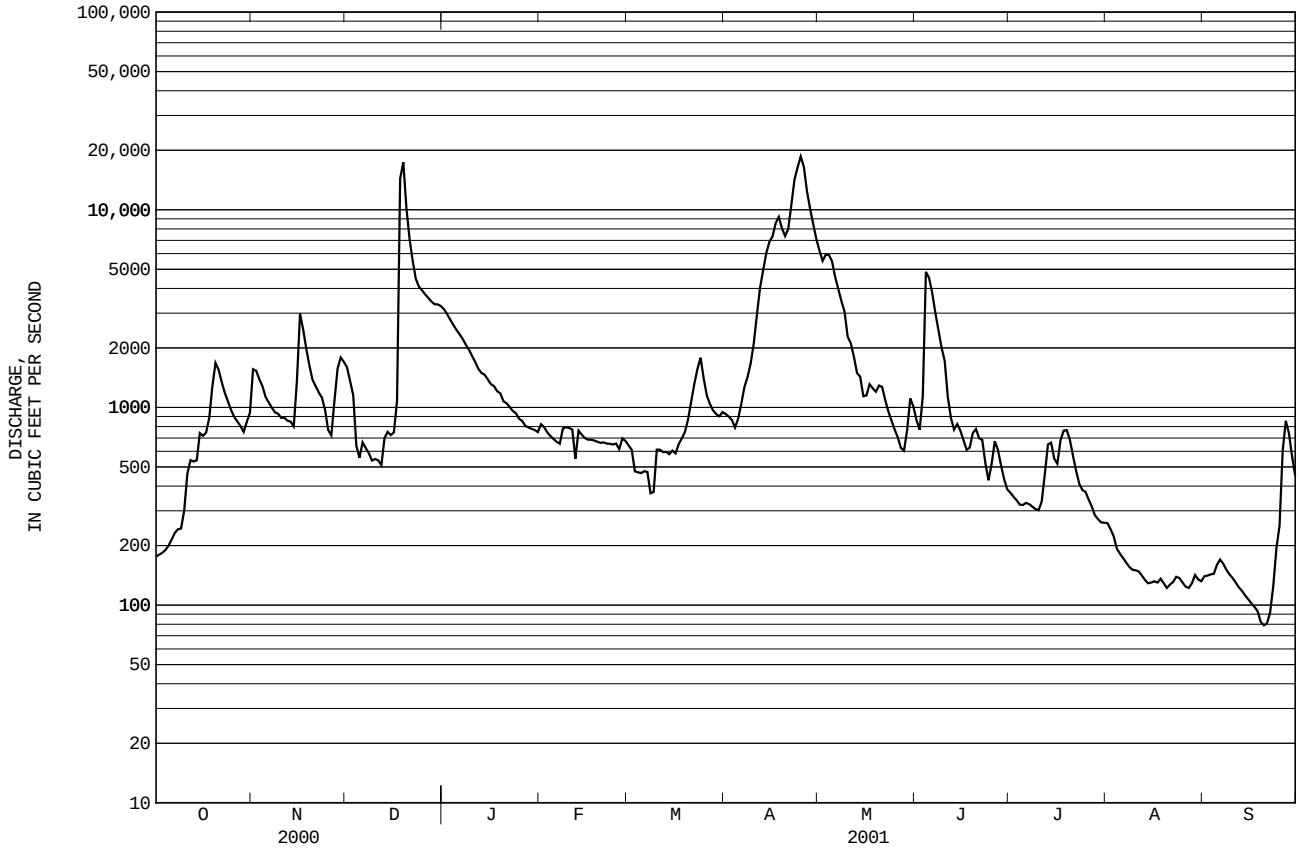
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2001, BY WATER YEAR (WY)

MEAN	1583	2641	2283	1424	1390	2365	7219	4728	1888	1073	759	922
MAX	6289	7672	11590	4834	5659	14520	12220	10920	4678	5162	3686	5426
(WY)	1978	1964	1974	1996	1970	1936	1993	1969	1931	1996	1954	1954
MIN	276	405	363	339	334	513	2876	1315	623	249	151	149
(WY)	1936	1979	1930	1948	1980	1967	1981	1999	1941	1991	2001	1995

e Estimated

01034000 PISCATAQUIS RIVER AT MEDFORD, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1924 - 2001	
ANNUAL TOTAL	833803		586284			
ANNUAL MEAN	2278		1606		2356	
HIGHEST ANNUAL MEAN					3715	1954
LOWEST ANNUAL MEAN					1254	1957
HIGHEST DAILY MEAN	25000	Apr 10	18600	Apr 25	52900	Nov 4 1966
LOWEST DAILY MEAN	176	Oct 1	79	Sep 20	79	Sep 20 2001
ANNUAL SEVEN-DAY MINIMUM	187	Sep 28	90	Sep 16	90	Sep 16 2001
MAXIMUM PEAK FLOW			23100	Dec 18	60100	Nov 4 1966
MAXIMUM PEAK STAGE			9.71	Dec 18	15.58	Nov 4 1966
INSTANTANEOUS LOW FLOW			77	Sep 20	77	Sep 20 2001
ANNUAL RUNOFF (CFSM)	1.96		1.38		2.03	
ANNUAL RUNOFF (INCHES)	26.69		18.77		27.55	
10 PERCENT EXCEEDS	5910		3850		5620	
50 PERCENT EXCEEDS	805		768		1200	
90 PERCENT EXCEEDS	230		143		424	



01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME

LOCATION.--Lat 45°14'12", long 68°38'57", Penobscot County, Hydrologic Unit 01020005, on left bank 20 ft upstream from 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. WRD 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. 4-17 and Jan. 11 to Apr. 12, which are fair. Flow regulated by many reservoirs above station, combined capacity about 54.336 billion ft^3. Telephone and satellite gage-height 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, 59,600 ft^3/s, Apr. 25, gage height, 13.91 ft; minimum daily discharge, 2,810 ft^3/s, Aug. 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4830	6080	10100	9690	e5360	e4950	e6290	30700	6330	3960	3770	3330
2	5110	6710	9310	9790	e5460	e4960	e5860	26900	6130	3750	3650	3350
3	5340	6660	8310	9300	e5200	e4630	e5990	25800	6410	3730	3530	3150
4	5380	6630	e6570	8430	e5200	e4590	e5630	24600	11500	3550	3590	3180
5	5350	6250	e6120	8380	e5060	e4480	e5440	23800	14500	3500	3600	3450
6	5270	6100	e6380	7960	e4950	e4490	e6080	22000	13100	3580	3610	3470
7	5390	5870	e5730	7680	e5870	e4430	e6350	19900	12300	3620	3440	3390
8	5450	5740	e5480	7850	e4990	e4380	e6630	17300	11000	3620	3330	3450
9	5940	5630	e5130	7390	e5130	e4390	e7210	15600	10200	3600	3420	3310
10	5960	5520	e4750	7660	e5150	e4340	e8360	13400	8660	3600	3290	3460
11	6310	5400	e4830	e6930	e5150	e4720	e10500	12200	7380	3600	3230	3390
12	6660	5330	e5080	e6960	e4950	e4700	e13300	12100	6810	3640	3130	3230
13	6430	5130	e6270	e6680	e4870	e4750	16800	11100	6570	3830	2810	3350
14	6820	5070	e5330	e6610	e4860	e4830	19700	10500	6720	4330	3010	3380
15	6270	5910	e5540	e6780	e4870	e4800	23000	9740	6510	4030	3190	3100
16	5170	8940	e5500	e6590	e4590	e4840	25000	10000	6160	4180	3060	2940
17	4650	9840	e6240	e6200	e4600	e5010	28500	11700	5850	4340	3020	3130
18	4310	8930	21500	e5930	e4890	e4910	30700	11200	5430	5740	3130	3190
19	4810	8230	37800	e6210	e5000	e5000	29600	10800	5570	5310	2930	3150
20	5660	7900	28900	e6370	e4810	e5290	29100	10400	5390	5460	3340	3040
21	6060	7310	24300	e5960	e4710	e5670	30800	10000	5250	4950	3200	3070
22	5400	6550	22600	e5880	e4640	e5910	35900	9680	5290	4440	3400	3190
23	5610	6380	20400	e5610	e4890	e7130	43200	8980	4550	4330	3100	3090
24	5330	6410	18300	e5970	e4750	e7540	50600	7790	4520	4040	2960	3310
25	5120	5810	15200	e6010	e4800	e6950	56600	7680	4790	4210	3030	3210
26	4940	5430	14700	e5570	e5080	e6740	57000	7560	4720	4290	2880	4790
27	4930	6290	13200	e5550	e5000	e6630	50500	7070	4760	5230	3050	6400
28	4320	8100	12000	e4800	e4950	e6530	45200	6740	4170	4460	3140	5870
29	4830	9990	11800	e5660	---	e6450	40700	6620	3860	4290	3170	4550
30	4420	10300	10500	e5690	---	e6010	36000	6930	3820	4140	3010	4470
31	4910	---	9190	e5510	---	e6240	---	6510	---	4120	3070	---
TOTAL	166980	204440	367060	211600	139780	166290	736540	415300	208250	129470	100090	107390
MEAN	5386	6815	11840	6826	4992	5364	24550	13400	6942	4176	3229	3580
MAX	6820	10300	37800	9790	5870	7540	57000	30700	14500	5740	3770	6400
MIN	4310	5070	4750	4800	4590	4340	5440	6510	3820	3500	2810	2940

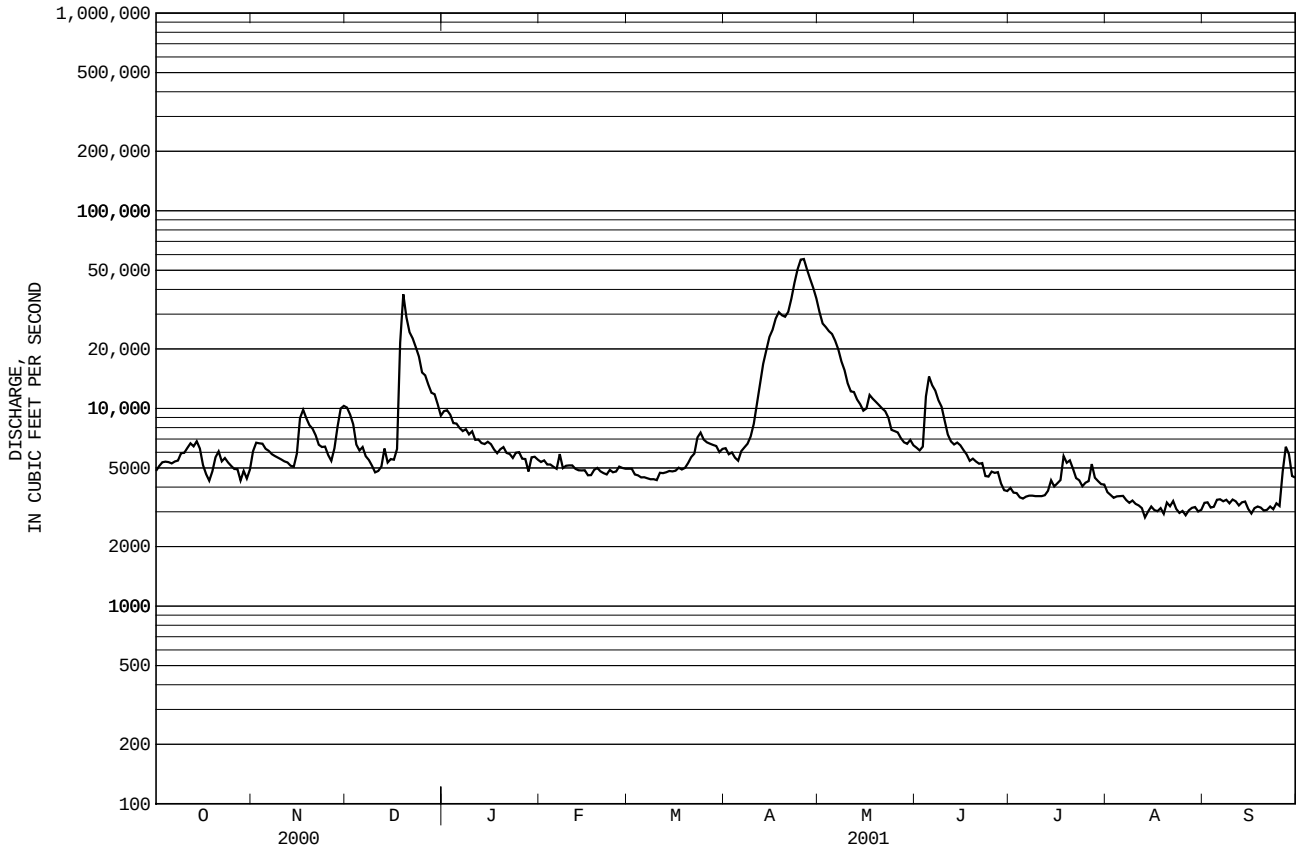
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2001, BY WATER YEAR (WY)

MEAN	8454	11750	10580	8013	7499	11090	29590	23820	11710	7760	6435	6602
MAX	28330	32430	34680	19620	21960	46110	51060	46430	38660	24490	17460	27130
(WY)	1982	1964	1974	1978	1970	1936	2000	1974	1917	1996	1976	1954
MIN	2255	2629	3411	2890	1799	2449	14490	9163	4079	4028	3229	3187
(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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1903 - 2001	
ANNUAL TOTAL	4756430		2953190			
ANNUAL MEAN	13000		8091		11940	
HIGHEST ANNUAL MEAN					17760	1973
LOWEST ANNUAL MEAN					6382	1911
HIGHEST DAILY MEAN	76800	Apr 11	57000	Apr 26	152000	May 1 1923
LOWEST DAILY MEAN	4150	Sep 1	2810	Aug 13	1630	Oct 29 1905
ANNUAL SEVEN-DAY MINIMUM	4500	Aug 10	3020	Aug 13	1700	Feb 11 1904
MAXIMUM PEAK FLOW			59600	Apr 25	153000	May 1 1923
MAXIMUM PEAK STAGE			13.91	Apr 25	25.15	May 1 1923
10 PERCENT EXCEEDS	32300		14600		25500	
50 PERCENT EXCEEDS	6240		5500		7780	
90 PERCENT EXCEEDS	4870		3330		4560	



01036390 PENOBSCOT RIVER AT EDDINGTON, ME

LOCATION.--Lat 44°49'33", long 68°41'48", Penobscot County, Hydrologic Unit 01020005, on left bank 0.4 miles downstream from Veazie Dam at Eddington, on Monumbent Drive, 750 ft north of intersection with State Highway 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 Analysis: Water year 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 Datum of 1929.

REMARKS.--Gage height affected by regulation of many reservoirs above station, combined capacity about 54.336 billion ft^3. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum gage height, 15.38 ft, Apr. 11, 2000; minimum gage height, 0.89 ft, Aug. 21, 1999.

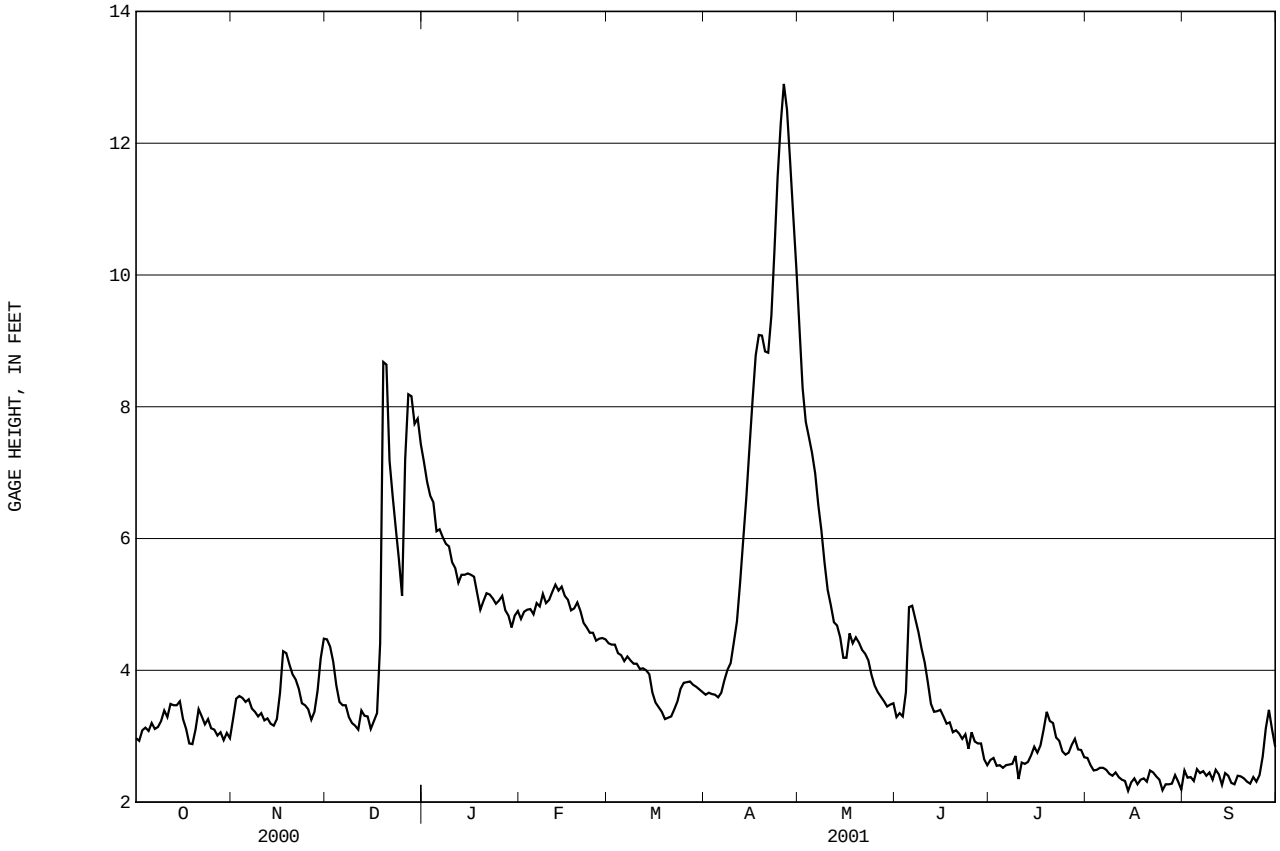
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height, 23.53 ft, Apr. 3, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.16 ft, Apr. 26; minimum gage height, 1.12 ft, Sept. 13.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.97	3.26	4.47	7.16	4.78	4.41	3.63	9.18	3.29	2.64	2.67	2.48
2	2.93	3.57	4.36	6.86	4.89	4.39	3.66	8.28	3.35	2.67	2.56	2.37
3	3.09	3.61	4.13	6.65	4.92	4.39	3.64	7.77	3.30	2.55	2.48	2.38
4	3.13	3.58	3.77	6.55	4.93	4.26	3.63	7.54	3.67	2.56	2.49	2.32
5	3.08	3.52	3.52	6.11	4.85	4.23	3.59	7.30	4.96	2.52	2.52	2.50
6	3.20	3.56	3.47	6.14	5.02	4.14	3.66	6.99	4.98	2.56	2.52	2.44
7	3.11	3.42	3.47	6.02	4.97	4.21	3.85	6.51	4.78	2.57	2.49	2.47
8	3.14	3.37	3.29	5.92	5.16	4.15	4.01	6.12	4.58	2.58	2.43	2.40
9	3.23	3.30	3.20	5.88	5.02	4.10	4.11	5.63	4.33	2.70	2.40	2.45
10	3.39	3.35	3.16	5.64	5.07	4.10	4.42	5.22	4.12	2.35	2.45	2.34
11	3.29	3.24	3.10	5.55	5.19	4.02	4.74	4.99	3.82	2.60	2.38	2.49
12	3.49	3.27	3.39	5.33	5.30	4.03	5.32	4.73	3.49	2.58	2.34	2.42
13	3.47	3.19	3.31	5.45	5.21	4.00	5.97	4.68	3.37	2.61	2.32	2.26
14	3.47	3.16	3.30	5.45	5.27	3.94	6.62	4.50	3.38	2.71	2.17	2.44
15	3.53	3.26	3.11	5.47	5.13	3.66	7.37	4.19	3.40	2.84	2.30	2.40
16	3.26	3.66	3.23	5.45	5.07	3.51	8.10	4.19	3.30	2.75	2.36	2.29
17	3.11	4.29	3.35	5.42	4.91	3.44	8.78	4.56	3.19	2.86	2.27	2.27
18	2.89	4.26	4.41	5.17	4.94	3.37	9.09	4.41	3.21	3.10	2.34	2.40
19	2.88	4.09	8.68	4.92	5.03	3.26	9.08	4.50	3.06	3.37	2.36	2.39
20	3.10	3.94	8.64	5.05	4.90	3.28	8.84	4.42	3.09	3.23	2.31	2.36
21	3.41	3.86	7.18	5.17	4.72	3.30	8.82	4.31	3.04	3.20	2.48	2.31
22	3.30	3.72	6.64	5.15	4.65	3.41	9.38	4.25	2.96	2.98	2.45	2.28
23	3.18	3.50	6.15	5.09	4.57	3.53	10.38	4.15	3.03	2.93	2.39	2.38
24	3.26	3.47	5.68	5.01	4.57	3.72	11.48	3.93	2.81	2.77	2.34	2.31
25	3.12	3.41	5.13	5.06	4.45	3.81	12.30	3.77	3.06	2.72	2.18	2.41
26	3.10	3.25	7.21	5.13	4.48	3.82	12.90	3.67	2.92	2.75	2.27	2.69
27	3.01	3.37	8.19	4.91	4.49	3.83	12.51	3.60	2.89	2.87	2.27	3.12
28	3.06	3.69	8.16	4.83	4.47	3.78	11.72	3.53	2.89	2.96	2.28	3.40
29	2.94	4.18	7.74	4.65	---	3.75	10.90	3.45	2.65	2.80	2.41	3.10
30	3.05	4.48	7.82	4.83	---	3.71	10.10	3.48	2.56	2.79	2.31	2.84
31	2.97	---	7.43	4.90	---	3.67	---	3.50	---	2.68	2.19	---
MEAN	3.17	3.59	5.12	5.51	4.89	3.85	7.42	5.08	3.45	2.77	2.38	2.49
MAX	3.53	4.48	8.68	7.16	5.30	4.41	12.90	9.18	4.98	3.37	2.67	3.40
MIN	2.88	3.16	3.10	4.65	4.45	3.26	3.59	3.45	2.56	2.35	2.17	2.26

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued



01037380 DUCKTRAP RIVER NEAR LINCOLNVILLE, ME

LOCATION.--Lat 44°19'45", long 69°03'42", Waldo County, Hydrologic Unit 01050002, on left bank on downstream side of highway bridge on State Route 52 at Lincolnville, and 1.3 mi upstream of Black Brook.

DRAINAGE AREA.--14.4 mi^2

PERIOD OF RECORD.--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 period of ice effect, Dec. 3, Dec. 22 to Mar. 22 and flows between 2.0 ft^3/s and 0.50 ft^3/s, which are fair, and flows below 0.50 ft^3/s, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.-- Maximum discharge, 650 ft^3/s, Jan. 15, 1999, gage height, 5.47 ft; maximum gage height, 5.82 ft, Jan. 15, 1999 (backwater from ice); no flow Aug. 17 to Sept. 24, 2001.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 12	2345	*309	*4.29	No other peak greater than base discharge.			

No flow, Aug. 17 to Sept. 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.24	7.1	15	e14	e8.3	e11	48	31	3.9	1.8	.04	.00
2	.23	4.7	13	e13	e7.9	e10	42	28	10	1.5	.04	.00
3	.22	3.4	e13	e12	e7.7	e9.5	38	24	29	.88	.03	.00
4	.21	2.2	11	e12	e6.8	e8.9	41	21	15	.68	.03	.00
5	.21	2.5	11	e12	e7.2	e8.3	48	20	14	.58	.02	.00
6	.94	6.9	11	e11	e14	e7.6	54	17	9.7	.42	.02	.00
7	.96	5.3	9.6	e11	e9.9	e7.2	59	15	7.9	.42	.02	.00
8	.57	3.9	8.8	e11	e7.9	e6.5	61	14	6.8	.86	.04	.00
9	.55	3.1	8.7	e10	e7.9	e6.0	79	13	6.0	1.2	.03	.00
10	1.4	2.5	8.8	e10	e12	e10	126	12	5.8	1.1	.02	.00
11	.69	2.8	8.6	e9.9	e15	e9.0	150	11	6.9	1.2	.02	.00
12	.43	2.5	13	e9.7	e11	e8.4	183	9.8	7.7	1.3	.01	.00
13	.37	2.1	9.5	e9.4	e10	e9.0	289	9.0	7.7	1.5	.01	.00
14	.34	2.4	9.4	e9.1	e9.7	e20	264	8.1	6.0	1.2	.01	.00
15	.29	20	10	e8.9	e17	e19	223	7.4	4.8	1.5	.01	.00
16	.27	12	9.4	e8.8	e14	e17	199	7.4	4.2	2.3	.01	.00
17	.25	8.9	154	e8.5	e12	e16	181	7.1	5.1	2.2	.00	.00
18	.31	7.9	141	e8.2	e10	e16	153	6.3	37	2.0	.00	.00
19	3.5	7.1	79	e7.8	e9.7	e18	120	11	12	1.5	.00	.00
20	1.6	6.9	69	e7.6	e9.1	e25	107	11	8.1	.95	.00	.00
21	.75	8.0	55	e7.5	e8.5	e27	107	8.4	6.4	.67	.00	.00
22	.45	8.0	e48	e7.3	e8.0	e59	119	7.4	5.7	.46	.00	.00
23	.38	7.1	e40	e7.2	e7.6	177	120	6.4	6.0	.31	.00	.00
24	.33	6.2	e34	e7.1	e7.6	95	104	5.6	5.5	.36	.00	.00
25	.32	5.8	e28	e6.9	e8.5	74	89	5.0	4.8	.55	.00	.17
26	.28	8.4	e23	e6.8	e16	69	73	4.4	3.8	.29	.00	1.3
27	.27	37	e19	e6.7	e14	67	62	4.8	3.2	.16	.00	.27
28	.26	21	e15	e6.9	e12	60	52	7.7	2.6	.10	.00	.14
29	.33	19	e14	e6.1	---	53	42	9.5	2.1	.08	.00	.07
30	1.5	17	e14	e6.3	---	51	35	6.5	1.9	.06	.00	.05
31	9.2	---	e16	e8.6	---	55	---	5.0	---	.05	.00	---
TOTAL	27.65	251.7	918.8	281.3	289.3	1029.4	3268	353.8	249.6	28.18	0.36	2.00
MEAN	.89	8.39	29.6	9.07	10.3	33.2	109	11.4	8.32	.91	.012	.067
MAX	9.2	37	154	14	17	177	289	31	37	2.3	.04	1.3
MIN	.21	2.1	8.6	6.1	6.8	6.0	35	4.4	1.9	.05	.00	.00
CFSM	.06	.58	2.06	.63	.72	2.31	7.56	.79	.58	.06	.00	.00
IN.	.07	.65	2.37	.73	.75	2.66	8.44	.91	.64	.07	.00	.01

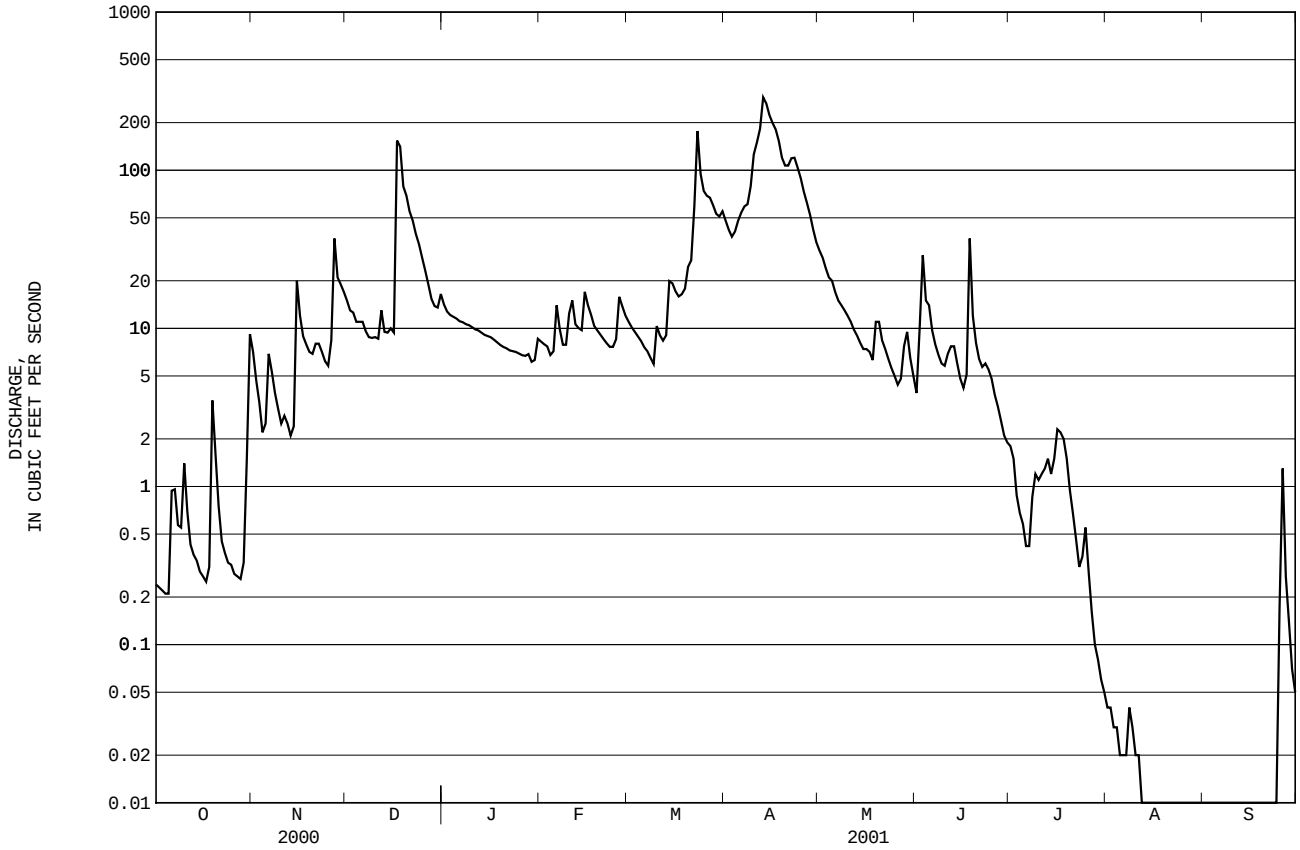
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2001, BY WATER YEAR (WY)

MEAN	11.9	22.9	28.1	48.6	30.7	75.6	69.9	22.6	10.1	4.36	.44	1.13
MAX	28.4	38.8	36.5	117	57.8	103	109	41.0	10.9	11.9	.97	4.01
(WY)	2000	2000	2000	1999	1999	1999	2001	2000	1999	1998	1998	1999
MIN	.89	8.39	18.1	9.07	10.3	33.2	28.4	11.4	8.32	.91	.012	.067
(WY)	2001	2001	1999	2001	2001	2001	1999	2001	2001	2001	2001	2001

e Estimated

01037380 DUCKTRAP RIVER NEAR LINCOLNVILLE, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1998 - 2001	
ANNUAL TOTAL	9247.85		6700.09			
ANNUAL MEAN	25.3		18.4		27.0	
HIGHEST ANNUAL MEAN					31.9	1999
LOWEST ANNUAL MEAN					18.4	2001
HIGHEST DAILY MEAN	240	Apr 24	289	Apr 13	354	Jan 16 1999
LOWEST DAILY MEAN	.13	Sep 12	.00	Aug 17	.00	Aug 17 2001
ANNUAL SEVEN-DAY MINIMUM	.14	Sep 12	.00	Aug 17	.00	Aug 17 2001
MAXIMUM PEAK FLOW			309	Apr 12	650	Jan 15 1999
MAXIMUM PEAK STAGE			4.29	Apr 12	5.82	Jan 15 1999
INSTANTANEOUS LOW FLOW			.00	Aug 17	.00	Aug 17 2001
ANNUAL RUNOFF (CFSM)	1.75		1.27		1.87	
ANNUAL RUNOFF (INCHES)	23.89		17.31		25.45	
10 PERCENT EXCEEDS	75		52		73	
50 PERCENT EXCEEDS	11		7.3		9.9	
90 PERCENT EXCEEDS	.26		.00		.17	



01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME

LOCATION.--Lat 44°13'23", long 69°35'38", Lincoln County, Hydrologic Unit 01050003, on left bank 50 ft upstream from highway bridge on State Route 126 at North Whitefield, at mouth of Finn Brook, and 0.3 mi east of North Whitefield village.

DRAINAGE AREA.--145 mi^2.

PERIOD OF RECORD.--Discharge: October 1938 to current year.

Chemical analyses: Water years 1954-56.
Specific conductance: July 1974 to September 1976.
Water temperature: October 1957 to September 1971, July 1974 to September 1976.

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

GAGE.--Water-stage recorder. Datum of gage is 101.05 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Nov. 25-26, Dec. 8-10, Dec. 22 to Jan. 8, and Jan. 10 to Mar. 18, which are fair. Satellite gage-height 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 18	0415	1,570	5.88	Apr 15	2245	*1,760	*6.18

Minimum discharge, 9.7 ft^3/s, Sept. 17-18, gage height, 1.56 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	74	122	e217	e76	e85	448	440	78	26	17	13
2	15	56	116	e202	e76	e83	420	386	83	25	17	13
3	16	44	102	e187	e75	e82	377	338	308	23	16	13
4	14	39	97	e178	e75	e81	342	295	274	22	15	13
5	17	37	90	e170	e74	e80	371	268	217	20	15	14
6	29	38	85	e159	e85	e89	424	239	192	18	15	14
7	32	38	77	e154	e94	e93	465	210	174	18	14	13
8	32	45	e72	e149	e95	e88	516	188	155	18	14	13
9	30	44	e66	142	e93	e79	585	168	138	20	14	13
10	30	42	e57	e137	e90	e81	892	152	122	21	13	13
11	30	42	52	e131	e99	e79	1140	139	110	21	13	13
12	31	42	58	e128	e102	e74	1300	127	104	22	13	12
13	30	39	63	e123	e96	e73	1710	117	98	21	13	12
14	29	39	64	e119	e92	e74	1670	105	88	21	12	11
15	27	89	63	e115	e112	e77	1730	96	78	21	12	11
16	27	98	62	e110	e109	e80	1690	97	71	25	11	10
17	29	73	313	e108	e107	e82	1570	92	65	42	11	9.9
18	29	64	1360	e105	e99	e84	1420	85	75	50	11	10
19	35	57	688	e102	e96	91	1250	85	67	35	11	11
20	48	53	680	e99	e93	117	1130	92	59	34	12	11
21	38	53	622	e96	e90	144	1020	110	50	30	13	12
22	34	53	e553	e94	e87	202	1000	124	45	26	14	13
23	31	51	e481	e91	e84	397	1010	120	42	24	13	13
24	29	46	e416	e87	e84	446	1030	115	40	23	13	14
25	29	e42	e363	e85	e90	458	983	108	38	22	13	16
26	27	e42	e323	e84	e105	454	840	101	35	23	12	22
27	26	136	e296	e82	e96	458	754	99	32	22	11	23
28	24	138	e279	e80	e89	456	667	103	31	21	11	22
29	23	124	e254	e79	---	446	577	122	28	19	11	20
30	26	126	e232	e78	---	448	504	118	26	18	11	18
31	48	---	e225	e77	---	451	---	105	---	18	11	---
TOTAL	879	1864	8331	3768	2563	6032	27835	4944	2923	749	402	415.9
MEAN	28.4	62.1	269	122	91.5	195	928	159	97.4	24.2	13.0	13.9
MAX	48	138	1360	217	112	458	1730	440	308	50	17	23
MIN	14	37	52	77	74	73	342	85	26	18	11	9.9
CFSM	.20	.43	1.85	.84	.63	1.34	6.40	1.10	.67	.17	.09	.10
IN.	.23	.48	2.14	.97	.66	1.55	7.14	1.27	.75	.19	.10	.11

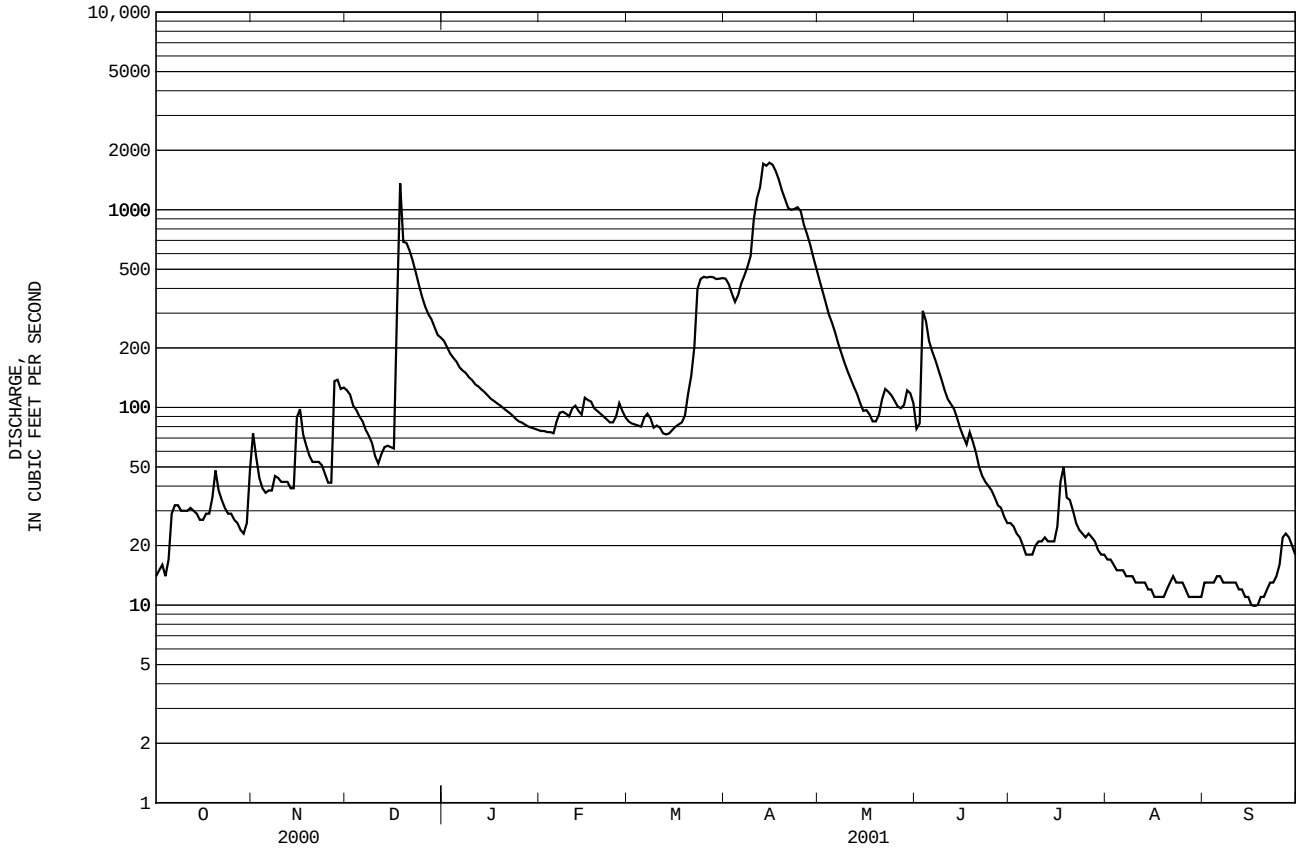
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)

MEAN	87.9	244	323	234	235	447	742	341	166	75.2	47.2	51.5
MAX	658	664	1393	677	922	1103	1333	776	774	466	245	708
(WY)	1978	1991	1974	1999	1970	1979	1940	1989	1984	1973	1976	1954
MIN	6.75	19.0	31.7	28.5	35.8	87.9	255	101	45.1	18.1	13.0	8.64
(WY)	1942	1972	1979	1948	1948	1967	1985	1999	1985	1965	2001	1957

e Estimated

01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	89864		60705.9			
ANNUAL MEAN	246		166		249	
HIGHEST ANNUAL MEAN					427	1984
LOWEST ANNUAL MEAN					115	1985
HIGHEST DAILY MEAN	1720	Mar 29	1730	Apr 15	6690	Apr 1 1987
LOWEST DAILY MEAN	14	Sep 30	9.9	Sep 17	5.1	Oct 24 1941
ANNUAL SEVEN-DAY MINIMUM	15	Sep 28	11	Sep 14	5.5	Oct 18 1941
MAXIMUM PEAK FLOW			1760	Apr 15	7350	Apr 1 1987
MAXIMUM PEAK STAGE			6.18	Apr 15	13.71	Apr 1 1987
INSTANTANEOUS LOW FLOW			9.7	Sep 17	5.0	Oct 24 1941
ANNUAL RUNOFF (CFSM)	1.69		1.15		1.72	
ANNUAL RUNOFF (INCHES)	23.05		15.57		23.33	
10 PERCENT EXCEEDS	677		448		626	
50 PERCENT EXCEEDS	106		78		129	
90 PERCENT EXCEEDS	20		13		24	



01042500 KENNEBEC RIVER AT THE FORKS, ME

LOCATION.--Lat 45°20'45", long 69°57'48", Somerset County, Hydrologic Unit 01030001, on right bank at The Forks, 0.4 mi upstream from 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 period of no gage-height record, Nov. 10-13, and period of doubtful gage height record, Mar. 19 to Apr. 9, 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 gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located at the end of the 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.

REVISIONS.--The maximum discharges for water years 1974 and 1983 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)
1974	Dec. 22, 1973	27,600	12.68	1983	Apr. 18, 1983	32,900	14.41

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,700 ft^3/s, Apr. 25, gage height, 7.08 ft; minimum daily discharge, 262 ft^3/s, Oct 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1360	1910	1310	2180	2390	2890	e985	2960	732	2140	1020	1060
2	2620	1870	1000	2160	2890	3080	e1330	3220	970	2310	2160	837
3	2240	1160	1540	2380	2990	2790	e1210	2780	1290	2080	2170	832
4	1850	1990	766	2400	2900	3010	e1210	2700	3320	2080	1030	1320
5	1890	2070	763	3240	3190	3350	e1700	1250	5530	2740	811	1730
6	1920	1450	902	2820	3130	3200	e1640	1300	4850	2420	813	1330
7	927	1680	878	2890	2770	2490	e395	1770	4620	2130	1390	2920
8	1670	1400	1380	2980	2550	2670	e987	1200	4660	1660	817	1830
9	2300	1820	918	2890	3110	2660	e2190	1130	2390	3620	2410	1590
10	2180	e1140	1440	3000	2350	2030	1710	1050	2160	2720	2370	2000
11	1560	e1140	692	2460	2840	1880	1620	824	3530	1820	1040	2840
12	1310	e1160	1000	2830	3260	2380	1510	785	2520	1310	812	3020
13	1290	e1130	1190	3260	3110	2660	1800	1040	1710	1390	1430	3040
14	963	1130	1170	3340	3070	2340	1230	804	2010	877	1120	3010
15	1150	1490	1170	3810	2780	2340	1250	781	1950	874	1130	3130
16	1480	1780	882	2380	2750	2630	1960	777	1160	1890	1230	2450
17	1910	1680	1480	2580	2660	2090	2960	760	1700	1550	1610	3310
18	1810	1480	2010	3120	2800	1260	2710	749	3060	1110	1020	2500
19	1330	1370	2300	3420	2750	e1810	3040	983	3240	1020	1020	2110
20	1500	884	2540	3280	2990	e1830	3370	983	3160	1400	1450	2460
21	1180	1900	1690	3460	4220	e1820	1850	760	3510	1490	1320	1790
22	1240	1980	2030	3220	2810	e1800	2240	741	3100	1300	1630	2520
23	1900	1090	1570	2570	2730	e695	4960	729	1970	2390	1360	1630
24	1420	809	1520	3090	2820	e705	6060	714	1780	1890	1350	2080
25	1880	841	1430	3080	2930	e700	7090	1440	2890	2940	1010	2020
26	1950	950	2210	3100	2940	e1230	5910	896	2360	1290	991	1980
27	1700	1340	2460	2920	3120	e1490	4940	906	3290	1050	1590	2070
28	289	821	2270	2840	2750	e1780	3450	713	3840	1030	1260	1900
29	262	1340	2200	3190	---	e1790	2930	832	2420	819	1580	1900
30	1860	1320	1780	2890	---	e1890	3480	790	2600	1300	1630	1800
31	1810	---	1900	2820	---	e956	---	768	---	1010	1630	---
TOTAL	48751	42125	46391	90600	81600	64246	77717	37135	82322	53650	42204	63009
MEAN	1573	1404	1496	2923	2914	2072	2591	1198	2744	1731	1361	2100
MAX	2620	2070	2540	3810	4220	3350	7090	3220	5530	3620	2410	3310
MIN	262	809	692	2160	2350	695	395	713	732	819	811	832

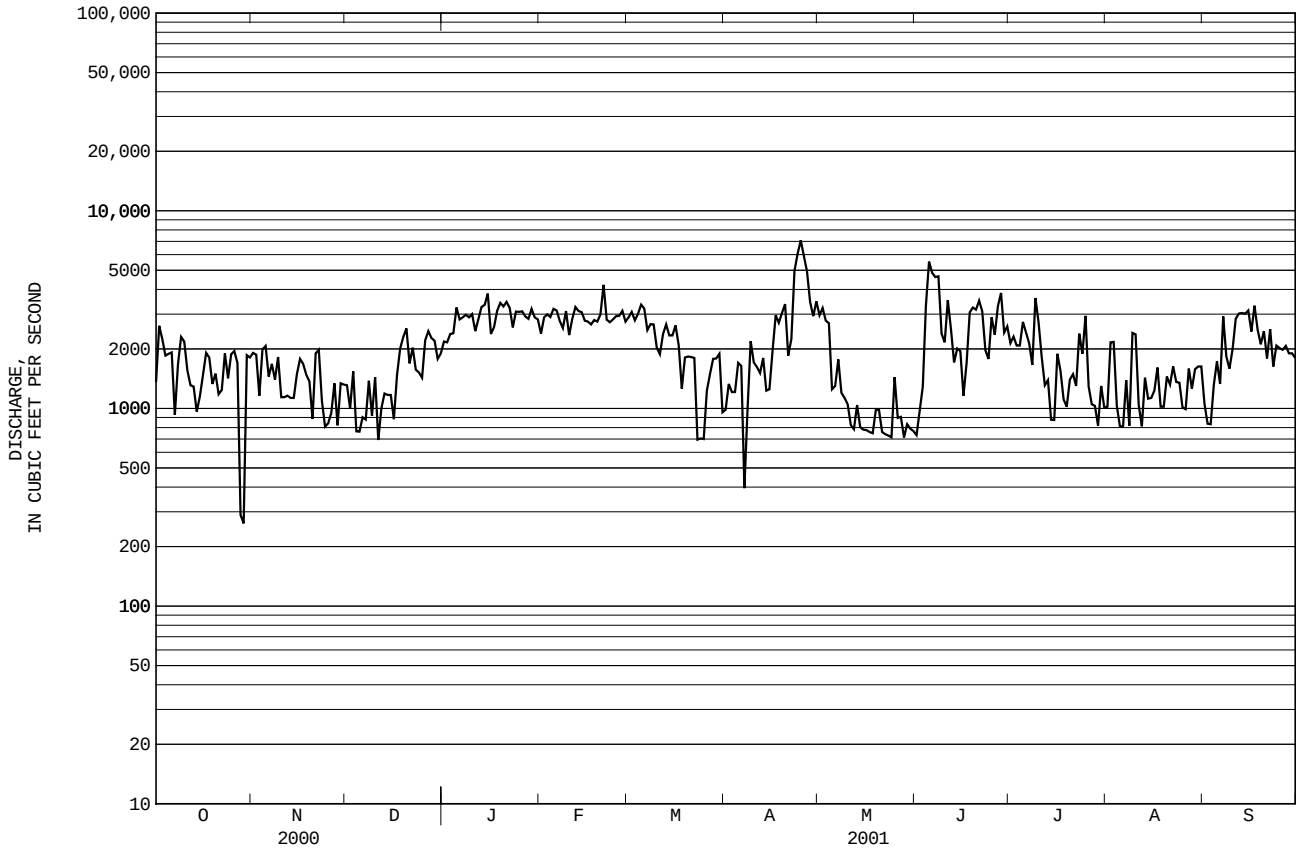
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2001, BY WATER YEAR (WY)

MEAN	1986	1805	2063	2339	2583	2379	2966	4702	3321	2669	2415	2271
MAX	6298	5317	8142	5569	5454	7981	9488	13520	10380	6403	4740	5511
(WY)	1955	1908	1974	1970	1996	1996	1983	1974	1917	1996	1917	1954
MIN	864	487	655	669	522	466	860	699	664	775	1083	1053
(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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1904 - 2001	
ANNUAL TOTAL	1173343		729750			
ANNUAL MEAN	3206		1999		2626	
HIGHEST ANNUAL MEAN					4701	1996
LOWEST ANNUAL MEAN					1516	1950
HIGHEST DAILY MEAN	18400	Apr 25	7090	Apr 25	28200	Jun 1 1984
LOWEST DAILY MEAN	262	Oct 29	262	Oct 29	161	Aug 30 1987
ANNUAL SEVEN-DAY MINIMUM	996	Dec 5	805	May 26	314	Jan 6 1909
MAXIMUM PEAK FLOW			10700	Apr 25	32900	Apr 18 1983
MAXIMUM PEAK STAGE			7.08	Apr 25	14.41	Apr 18 1983
10 PERCENT EXCEEDS	5710		3140		4380	
50 PERCENT EXCEEDS	2360		1850		2260	
90 PERCENT EXCEEDS	1110		876		880	



01044550 SPENCER STREAM AT MOUTH, NEAR GRAND FALLS, ME

LOCATION.--Lat 45°18'07", long 70°13'27", 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, Aug. 7-8, 14, Sept. 5, and Oct. 2, 1999, May 6, 13, 27-28, Jun. 3, 10, 17, 24, Jul. 15, Aug. 5-6, 12, Sept. 3, 16, and Oct. 7, 2000; May 5, 12, 27, Jun. 2, 9, 16, 23, 30, Jul. 1, 14, Aug. 4, 5, 11, and Sept. 2, 15, 2001, except for periods of ice effect, Dec. 21, 1999 to Mar. 27, 2000, Nov. 23-26, 2000, and Dec. 2, 2000 to Apr. 21, 2001, period of doubtful stage-discharge relation, Apr. 9-10, 2000, and period of no gage-height record, Aug. 1-4, 1999, which are fair. Satellite gage-height telemeter at station. Records for water years 1999 and 2000 have not been previously published and are given below.

EXTREMES FOR WATER YEAR 2000.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*) for water year 2000:

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 10	0445	4,610	6.74	May 11	1745	*5,500	*7.24

Minimum discharge, 40 ft^3/s, Sept. 1, gage height, 1.35 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)
Dec 20	0100	Ice Jam	*9.14	Apr 25	0715	*5,060	7.00

Minimum discharge, 18 ft^3/s, Sept. 19-20, gage height, 1.11 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	133	172	e171	e142	e141	e112	1630	311	e125	56	99
2	52	151	e163	e170	e142	e140	e111	2500	e293	129	52	e121
3	49	177	e147	e170	e142	e139	e107	2980	519	115	48	69
4	48	179	e141	e170	e142	e138	e103	2890	877	106	e44	54
5	50	236	e135	e170	e142	e137	e109	e2190	1330	136	e40	49
6	61	348	e126	e170	e141	e137	e125	1500	1030	136	37	43
7	e139	264	e120	e170	e150	e135	e136	1070	681	114	36	38
8	115	291	e112	e169	e159	e126	e139	901	485	105	36	34
9	114	293	e107	e169	e158	e121	e139	841	e397	105	37	32
10	116	276	e102	e168	e159	e117	e155	796	341	161	38	30
11	118	420	e101	e167	e212	e107	e212	710	317	247	e38	28
12	157	438	e108	e166	e240	e102	e297	e663	403	371	36	27
13	230	322	e160	e166	e225	e97	e385	1050	391	228	31	27
14	223	267	e172	e165	e208	e103	e470	781	332	e183	28	24
15	185	453	e161	e165	e198	e102	e525	594	292	171	26	e23
16	142	449	e142	e162	e188	e95	e431	573	e265	166	23	21
17	121	337	e132	e162	e179	e91	e507	528	287	181	23	20
18	114	287	e1030	e161	e168	e87	e575	465	412	216	25	19
19	138	245	e1460	e157	e165	e85	e505	535	299	175	28	18
20	137	222	e797	e155	e157	e89	e450	594	251	141	28	18
21	118	213	e467	e154	e150	e98	e583	468	221	121	30	22
22	109	202	e348	e151	e146	e111	1130	398	201	106	35	29
23	97	e177	e288	e149	e144	e117	2340	353	e190	97	39	43
24	91	e163	e246	e149	e142	e130	3140	320	207	90	34	43
25	88	e147	e221	e153	e142	e141	4460	291	212	95	29	36
26	85	e142	e200	e160	e142	e122	2750	267	183	90	25	81
27	81	184	e191	e157	e145	e113	2140	e256	164	77	25	87
28	81	199	e187	e151	e144	e111	1930	293	149	69	26	62
29	89	190	e180	e148	---	e107	1660	418	134	65	31	51
30	94	181	e176	e144	---	e106	1450	398	e127	61	29	45
31	115	---	e173	e143	---	e106	---	332	---	58	26	---
TOTAL	3412	7586	8265	4982	4572	3551	27176	27585	11301	4240	1039	1293
MEAN	110	253	267	161	163	115	906	890	377	137	33.5	43.1
MAX	230	453	1460	171	240	141	4460	2980	1330	371	56	121
MIN	48	133	101	143	141	85	103	256	127	58	23	18
CFSM	.57	1.30	1.37	.83	.84	.59	4.67	4.59	1.94	.71	.17	.22
IN.	.65	1.45	1.58	.96	.88	.68	5.21	5.29	2.17	.81	.20	.25

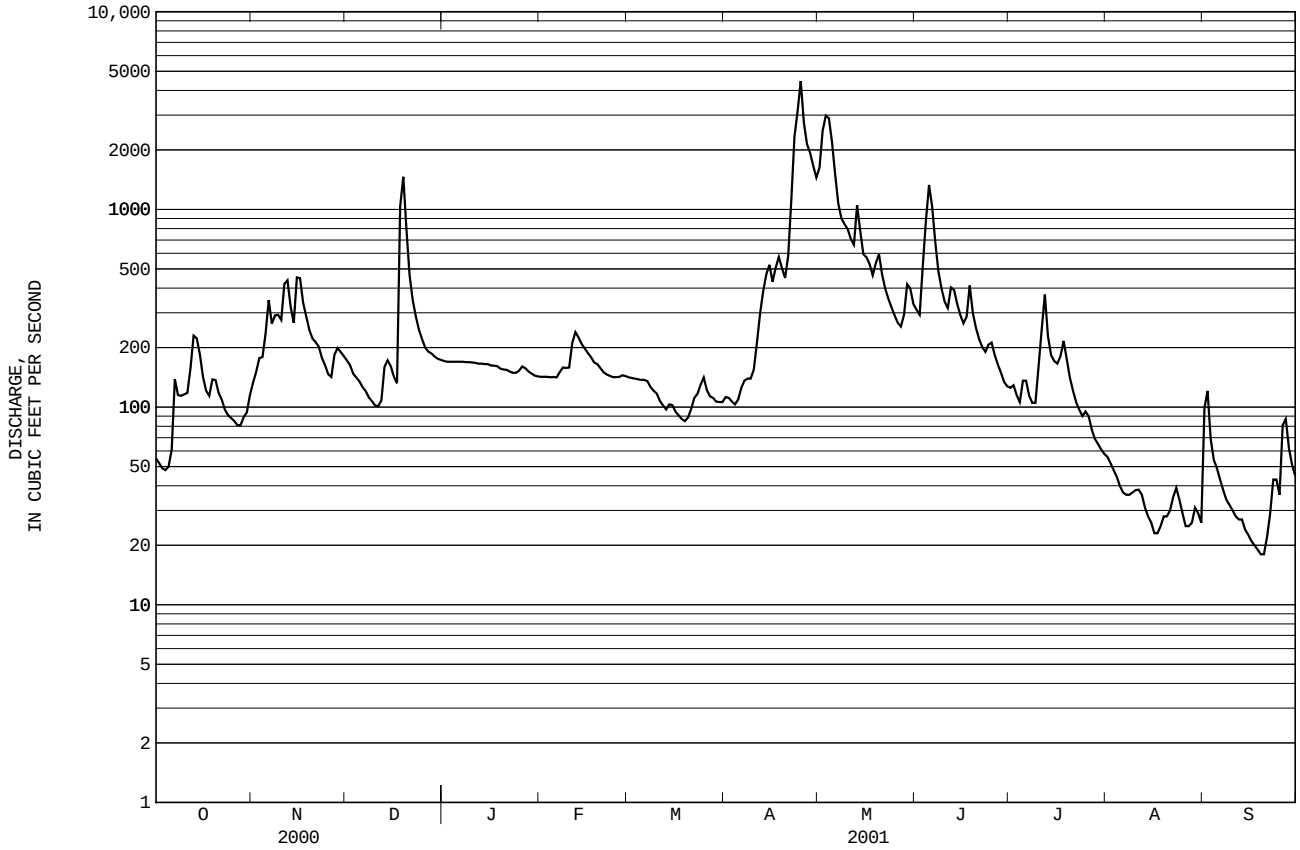
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	329	327	278	162	149	314	1187	1040	316	140	54.2	242
MAX	547	400	290	164	163	514	1468	1191	377	143	65.6	612
(WY)	2000	2000	2000	2000	2001	2000	2000	2000	2001	2000	1999	1999
MIN	110	253	267	161	134	115	906	890	254	137	33.5	43.1
(WY)	2001	2001	2001	2001	2000	2001	2001	2001	2000	2001	2001	2001

e Estimated

01044550 SPENCER STREAM AT MOUTH, NEAR GRAND FALLS, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	141348		105002			
ANNUAL MEAN	386		288		363	
HIGHEST ANNUAL MEAN					437	2000
LOWEST ANNUAL MEAN					288	2001
HIGHEST DAILY MEAN	4850	May 11	4460	Apr 25	4850	May 11 2000
LOWEST DAILY MEAN	42	Sep 1	18	Sep 19	18	Sep 19 2001
ANNUAL SEVEN-DAY MINIMUM	49	Sep 9	20	Sep 15	20	Sep 15 2001
MAXIMUM PEAK FLOW			5060	Apr 25	5500	May 11 2000
MAXIMUM PEAK STAGE			9.14	Dec 20	9.14	Dec 20 2000
INSTANTANEOUS LOW FLOW			18	Sep 19	18	Sep 19 2001
ANNUAL RUNOFF (CFSM)	1.99		1.48		1.87	
ANNUAL RUNOFF (INCHES)	27.10		20.13		25.39	
10 PERCENT EXCEEDS	956		531		830	
50 PERCENT EXCEEDS	163		149		166	
90 PERCENT EXCEEDS	64		36		50	



01044550 SPENCER STREAM AT MOUTH, NEAR GRAND FALLS, ME--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	e60	30
2	---	---	---	---	---	---	---	---	---	---	e54	28
3	---	---	---	---	---	---	---	---	---	---	e51	26
4	---	---	---	---	---	---	---	---	---	---	e51	25
5	---	---	---	---	---	---	---	---	---	---	67	e23
6	---	---	---	---	---	---	---	---	---	---	119	23
7	---	---	---	---	---	---	---	---	---	---	e104	24
8	---	---	---	---	---	---	---	---	---	---	e91	26
9	---	---	---	---	---	---	---	---	---	---	118	32
10	---	---	---	---	---	---	---	---	---	---	101	78
11	---	---	---	---	---	---	---	---	---	---	78	942
12	---	---	---	---	---	---	---	---	---	---	67	460
13	---	---	---	---	---	---	---	---	---	---	61	254
14	---	---	---	---	---	---	---	---	---	---	e65	184
15	---	---	---	---	---	---	---	---	---	---	96	148
16	---	---	---	---	---	---	---	---	---	---	80	149
17	---	---	---	---	---	---	---	---	---	---	69	3120
18	---	---	---	---	---	---	---	---	---	---	67	4300
19	---	---	---	---	---	---	---	---	---	---	74	2040
20	---	---	---	---	---	---	---	---	---	---	65	1060
21	---	---	---	---	---	---	---	---	---	---	57	739
22	---	---	---	---	---	---	---	---	---	---	55	888
23	---	---	---	---	---	---	---	---	---	---	54	778
24	---	---	---	---	---	---	---	---	---	---	51	616
25	---	---	---	---	---	---	---	---	---	---	47	511
26	---	---	---	---	---	---	---	---	---	---	44	441
27	---	---	---	---	---	---	---	---	---	---	42	395
28	---	---	---	---	---	---	---	---	---	---	39	357
29	---	---	---	---	---	---	---	---	---	---	38	327
30	---	---	---	---	---	---	---	---	---	---	36	332
31	---	---	---	---	---	---	---	---	---	---	33	---
TOTAL	---	---	---	---	---	---	---	---	---	---	2034	18356
MEAN	---	---	---	---	---	---	---	---	---	---	65.6	612
MAX	---	---	---	---	---	---	---	---	---	---	119	4300
MIN	---	---	---	---	---	---	---	---	---	---	33	23
CFSM	---	---	---	---	---	---	---	---	---	---	.34	3.15
IN.	---	---	---	---	---	---	---	---	---	---	.39	3.52

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

MEAN	---	---	---	---	---	---	---	---	---	---	65.6	612
MAX	---	---	---	---	---	---	---	---	---	---	65.6	612
(WY)	---	---	---	---	---	---	---	---	---	---	1999	1999
MIN	---	---	---	---	---	---	---	---	---	---	65.6	612
(WY)	---	---	---	---	---	---	---	---	---	---	1999	1999

SUMMARY STATISTICS	**FOR 1999 WATER YEAR**	
HIGHEST DAILY MEAN	4300	Sep 18
LOWEST DAILY MEAN	23	Sep 5
ANNUAL SEVEN-DAY MINIMUM	25	Sep 2
10 PERCENT EXCEEDS	866	
50 PERCENT EXCEEDS	69	
90 PERCENT EXCEEDS	26	

e Estimated

01044550 SPENCER STREAM AT MOUTH, NEAR GRAND FALLS, ME--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	523	409	424	e163	e150	e650	926	894	344	166	80	42
2	e414	387	364	e161	e141	e465	959	828	316	142	73	62
3	347	450	369	e161	e135	e351	1120	784	e364	123	70	e120
4	322	484	361	e185	e126	e284	1520	735	336	141	69	116
5	344	399	383	e210	e122	e248	2320	889	292	149	e69	111
6	351	351	381	e233	e118	e224	1720	e954	268	121	e62	81
7	347	321	395	e209	e112	e212	1210	801	261	106	57	66
8	306	301	425	e196	e110	e210	1010	1170	243	99	58	59
9	283	281	369	e189	e107	e218	e1800	1580	233	94	63	53
10	275	279	335	e186	e107	e303	e3820	3510	e224	91	60	49
11	266	273	365	e200	e104	e427	2140	4850	449	91	59	45
12	262	244	347	e221	e103	e368	1450	4360	672	86	e56	44
13	246	254	331	e212	e103	e319	1110	e2790	420	79	49	47
14	447	286	313	e193	e104	e287	948	1600	323	74	46	52
15	760	413	295	e177	e108	e269	920	1260	273	e76	62	53
16	511	360	289	e163	e108	e281	1330	928	246	96	72	e115
17	480	293	285	e155	e105	e304	1250	762	e227	434	73	97
18	448	278	255	e149	e104	e302	951	691	208	259	83	80
19	429	269	212	e144	e102	e279	831	900	192	280	70	77
20	378	258	245	e140	e101	e260	759	740	177	228	61	67
21	387	362	e286	e137	e100	e242	815	617	165	160	60	64
22	362	465	e274	e134	e100	e233	795	543	172	144	62	69
23	865	476	e249	e131	e98	e263	1090	492	166	242	53	69
24	2240	474	e208	e131	e103	e399	3090	483	e152	192	65	68
25	1650	386	e193	e129	e110	e490	2860	603	141	150	95	118
26	986	347	e185	e129	e129	e592	2140	705	146	125	79	86
27	728	669	e180	e131	e160	e735	1790	e646	154	110	63	70
28	606	1040	e176	e127	e252	1080	1350	e546	178	101	56	66
29	520	683	e171	e124	e577	2580	1010	471	145	96	51	64
30	460	514	e169	e121	---	1850	1010	415	142	91	46	59
31	421	---	e165	e137	---	1220	---	376	---	87	43	---
TOTAL	16964	12006	8999	5078	3899	15945	44044	36923	7629	4433	1965	2169
MEAN	547	400	290	164	134	514	1468	1191	254	143	63.4	72.3
MAX	2240	1040	425	233	577	2580	3820	4850	672	434	95	120
MIN	246	244	165	121	98	210	759	376	141	74	43	42
CFSM	2.82	2.06	1.50	.84	.69	2.65	7.57	6.14	1.31	.74	.33	.37
IN.	3.25	2.30	1.73	.97	.75	3.06	8.45	7.08	1.46	.85	.38	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

MEAN	547	400	290	164	134	514	1468	1191	254	143	64.5	342
MAX	547	400	290	164	134	514	1468	1191	254	143	65.6	612
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	1999	1999
MIN	547	400	290	164	134	514	1468	1191	254	143	63.4	72.3
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
ANNUAL TOTAL			160054			
ANNUAL MEAN			437		437	
HIGHEST ANNUAL MEAN					437	2000
LOWEST ANNUAL MEAN					437	2000
HIGHEST DAILY MEAN	4300	Sep 18	4850	May 11	4850	May 11 2000
LOWEST DAILY MEAN	23	Sep 5	42	Sep 1	23	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	25	Sep 2	49	Sep 9	25	Sep 2 1999
MAXIMUM PEAK FLOW			5500	May 11	5500	May 11 2000
MAXIMUM PEAK STAGE			7.24	May 11	7.24	May 11 2000
INSTANTANEOUS LOW FLOW			40	Sep 1	40	Sep 1 2000
ANNUAL RUNOFF (CFSM)			2.25		2.25	
ANNUAL RUNOFF (INCHES)			30.69		30.63	
10 PERCENT EXCEEDS	710		993		955	
50 PERCENT EXCEEDS	295		247		224	
90 PERCENT EXCEEDS	45		68		59	

e Estimated

01046500 KENNEBEC RIVER AT BINGHAM, ME

LOCATION.--Lat 45°03'06", long 69°53'12", Somerset County, Hydrologic Unit 01030003, on right bank at Bingham, 50 ft downstream from 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.--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.--No estimated daily discharges. Records good. 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 gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation gage are located at the end of the 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, 20,600 ft^3/s, Apr. 25, gage height, 11.24 ft; minimum daily discharge, 2,000 ft^3/s, May 26.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

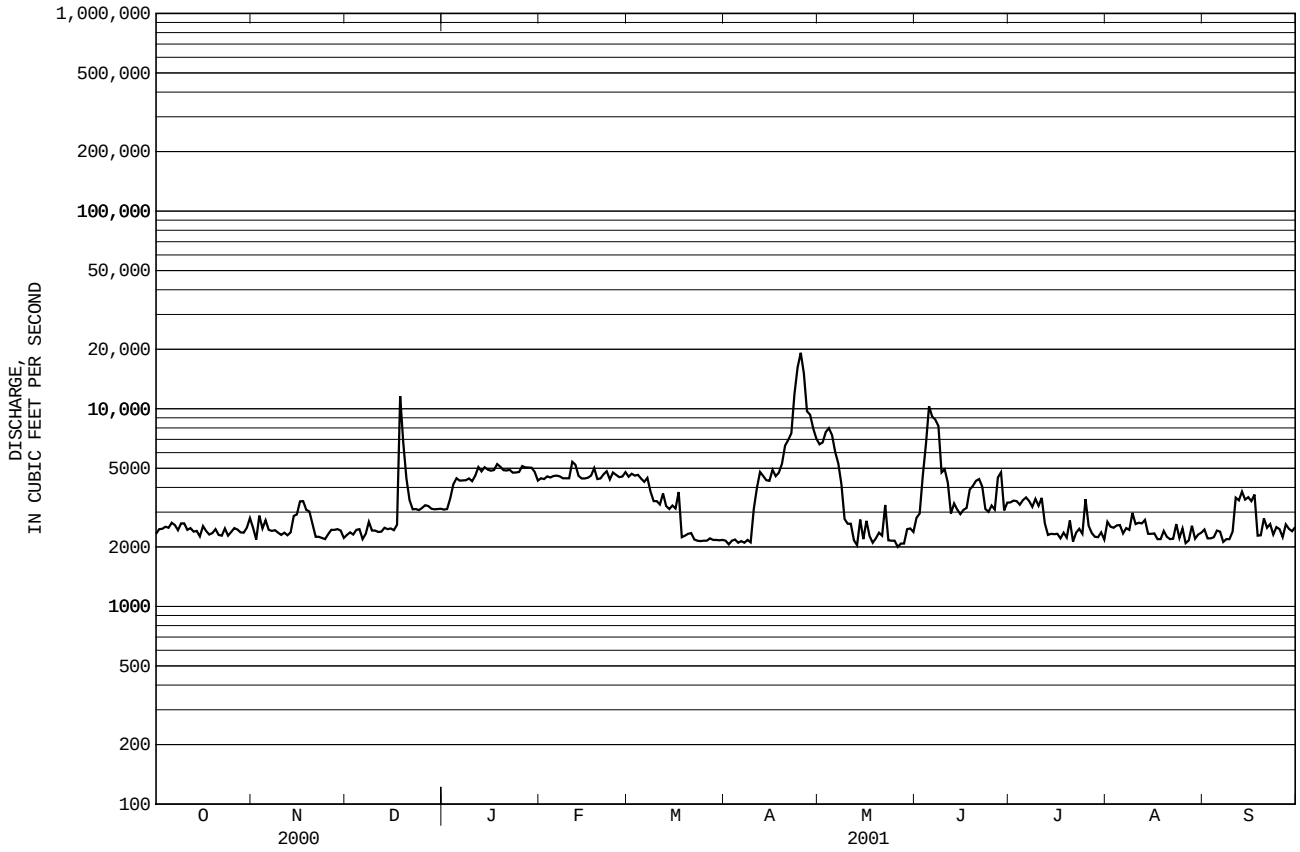
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2330	2500	2300	3090	4450	4530	2150	6610	2810	3360	2680	2450
2	2460	2180	2370	3110	4410	4690	2060	6760	2950	3430	2530	2210
3	2470	2880	2310	3520	4550	4590	2150	7630	4590	3410	2500	2210
4	2530	2480	2440	4150	4490	4630	2180	7980	6600	3270	2570	2240
5	2500	2730	2460	4450	4570	4430	2100	7360	10300	3450	2580	2420
6	2650	2440	2190	4330	4590	4270	2140	6050	9130	3560	2340	2390
7	2580	2410	2330	4340	4550	4470	2100	5290	8810	3410	2490	2120
8	2430	2430	2680	4350	4450	3810	2170	4150	8180	3190	2440	2190
9	2630	2360	2420	4440	4450	3410	2110	2770	4760	3500	2970	2190
10	2630	2300	2420	4300	4450	3410	3110	2620	4940	3230	2610	2390
11	2440	2360	2380	4590	5390	3280	3980	2620	4230	3540	2650	3550
12	2490	2290	2390	5070	5210	3730	4790	2160	2950	2630	2630	3440
13	2390	2370	2500	4820	4580	3220	4570	2040	3320	2300	2740	3810
14	2410	2870	2460	5060	4440	3110	4350	2750	3090	2330	2330	3470
15	2260	2920	2480	4920	4440	3240	4320	2190	2930	2320	2330	3570
16	2550	3400	2430	4860	4480	3130	4910	2710	3080	2330	2340	3410
17	2410	3410	2590	4900	4590	3790	4560	2270	3150	2210	2190	3680
18	2310	3080	11600	5250	5010	2240	4750	2100	3900	2360	2190	2280
19	2350	3020	6700	5090	4410	2280	5270	2210	4070	2230	2410	2290
20	2460	2610	4440	4890	4440	2330	6510	2360	4320	2720	2250	2790
21	2300	2250	3450	4870	4660	2350	6950	2280	4410	2130	2190	2500
22	2280	2250	3100	4910	4830	2180	7520	3260	4040	2360	2200	2610
23	2480	2220	3110	4750	4390	2150	11900	2160	3110	2470	2610	2310
24	2280	2190	3070	4760	4760	2140	16200	2150	3010	2330	2220	2520
25	2380	2320	3150	4790	4630	2150	19200	2150	3240	3490	2480	2460
26	2490	2440	3250	5130	4510	2150	15100	2000	3090	2560	2090	2240
27	2450	2440	3220	5050	4540	2210	9720	2080	4490	2350	2160	2600
28	2370	2460	3120	5040	4780	2170	9320	2080	4770	2250	2560	2470
29	2360	2420	3100	5030	---	2170	7940	2460	3060	2240	2200	2400
30	2500	2220	3110	4790	---	2160	7060	2480	3350	2370	2310	2520
31	2800	---	3120	4330	---	2170	---	2380	---	2180	2360	---
TOTAL	75970	76250	98690	142980	129050	96590	181190	106110	134680	85510	75150	79730
MEAN	2451	2542	3184	4612	4609	3116	6040	3423	4489	2758	2424	2658
MAX	2800	3410	11600	5250	5390	4690	19200	7980	10300	3560	2970	3810
MIN	2260	2180	2190	3090	4390	2140	2060	2000	2810	2130	2090	2120

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2001, BY WATER YEAR (WY)

MEAN	3431	3578	3543	3648	3901	4317	7313	8967	4893	3669	3278	3302
MAX	9319	9740	12510	7684	8898	15070	16080	22160	13600	11540	6428	10140
(WY)	1955	1908	1974	1970	1996	1936	1983	1974	1984	1996	1976	1954
MIN	1122	744	749	1070	1624	1525	2627	2192	1638	1954	2220	1829
(WY)	1909	1909	1909	1909	1972	1985	1981	1980	1988	1988	1999	1987

01046500 KENNEBEC RIVER AT BINGHAM, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1908 - 2001	
ANNUAL TOTAL	1867090		1281900			
ANNUAL MEAN	5101		3512		4488	
HIGHEST ANNUAL MEAN					7881	1996
LOWEST ANNUAL MEAN					2613	1980
HIGHEST DAILY MEAN	32900	Apr 25	19200	Apr 25	62000	Jun 1 1984
LOWEST DAILY MEAN	1880	Aug 16	2000	May 26	110	Dec 25 1947
ANNUAL SEVEN-DAY MINIMUM	2160	Aug 10	2130	Apr 1	587	Nov 18 1908
MAXIMUM PEAK FLOW			20600	Apr 25	65200	Jun 1 1984
MAXIMUM PEAK STAGE			11.24	Apr 25	15.61	Jun 1 1984
10 PERCENT EXCEEDS	9880		5020		7760	
50 PERCENT EXCEEDS	3400		2730		3470	
90 PERCENT EXCEEDS	2280		2190		2190	



01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME

LOCATION.--Lat 44°52'09", long 69°57'20", 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. 25, Dec. 2-13, and Dec. 23 to Apr. 12, periods of no gage-height record, Oct. 20-23, and Mar. 7-9, and period of doubtful gage-height record, May 8-10, which are fair. Some minor regulation at low flows by mills above station. Satellite gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located at the end of the 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)
Dec 18	0700	*13,100	*13.28	Apr 25	0130	10,300	11.68

Minimum discharge, 36 ft^3/s, Sept. 20, gage height, 2.33 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	350	410	e577	e218	e169	e429	2250	409	147	73	54
2	59	308	e350	e541	e204	e162	e393	3030	420	151	71	70
3	59	319	e282	e502	e191	e157	e377	3250	2340	140	66	68
4	59	281	e240	e461	e187	e150	e373	2870	3260	136	60	57
5	59	256	e220	e432	e183	e150	e425	2070	2380	137	57	58
6	100	287	e200	e414	e181	e152	e552	1450	1500	148	55	68
7	347	262	e180	e388	e185	e157	e709	1110	844	134	54	58
8	227	240	e160	e349	e191	e157	e892	e940	821	125	51	51
9	192	248	e142	e334	e191	e152	e1020	e790	468	126	54	47
10	187	250	e128	e307	e209	e150	e1290	e770	400	225	58	44
11	194	349	e126	e278	e230	e149	e1880	750	401	392	57	43
12	180	523	e129	e275	e238	e144	e2610	647	385	316	51	43
13	181	368	e230	e270	e225	e144	2960	912	439	242	48	42
14	172	313	278	e264	e211	e149	2930	670	361	183	47	41
15	154	1240	259	e261	e204	e152	2480	519	298	167	45	40
16	139	1090	250	e279	e199	e155	2300	568	244	168	43	39
17	132	808	469	e279	e197	e161	2560	613	241	232	42	38
18	140	556	8750	e264	e191	e170	2620	508	397	422	44	38
19	315	509	3440	e256	e187	e186	1970	732	299	294	48	37
20	e320	416	1940	e250	e185	e221	1760	1020	239	209	51	37
21	e251	393	1280	e245	e181	e278	2350	715	204	167	53	47
22	e206	349	1010	e240	e179	e377	4300	564	188	146	71	81
23	e175	296	e862	e230	e175	e528	6830	483	185	132	70	96
24	162	227	e783	e225	e171	e636	7270	418	267	126	61	81
25	156	e193	e735	e213	e173	e583	7590	359	351	176	51	71
26	152	195	e696	e208	e183	e479	4210	318	264	152	46	221
27	147	321	e653	e206	e191	e411	3170	291	207	116	46	187
28	142	578	e622	e202	e179	e381	2890	375	178	86	48	112
29	136	553	e589	e200	---	e369	2320	961	158	79	54	86
30	153	506	e593	e195	---	e369	2020	719	149	76	50	73
31	277	---	e608	e211	---	e398	---	513	---	73	47	---
TOTAL	5233	12584	26614	9356	5439	7996	73480	31185	18297	5423	1672	2028
MEAN	169	419	859	302	194	258	2449	1006	610	175	53.9	67.6
MAX	347	1240	8750	577	238	636	7590	3250	3260	422	73	221
MIN	59	193	126	195	171	144	373	291	149	73	42	37
CFSM	.48	1.19	2.43	.85	.55	.73	6.94	2.85	1.73	.50	.15	.19
IN.	.55	1.33	2.80	.99	.57	.84	7.74	3.29	1.93	.57	.18	.21

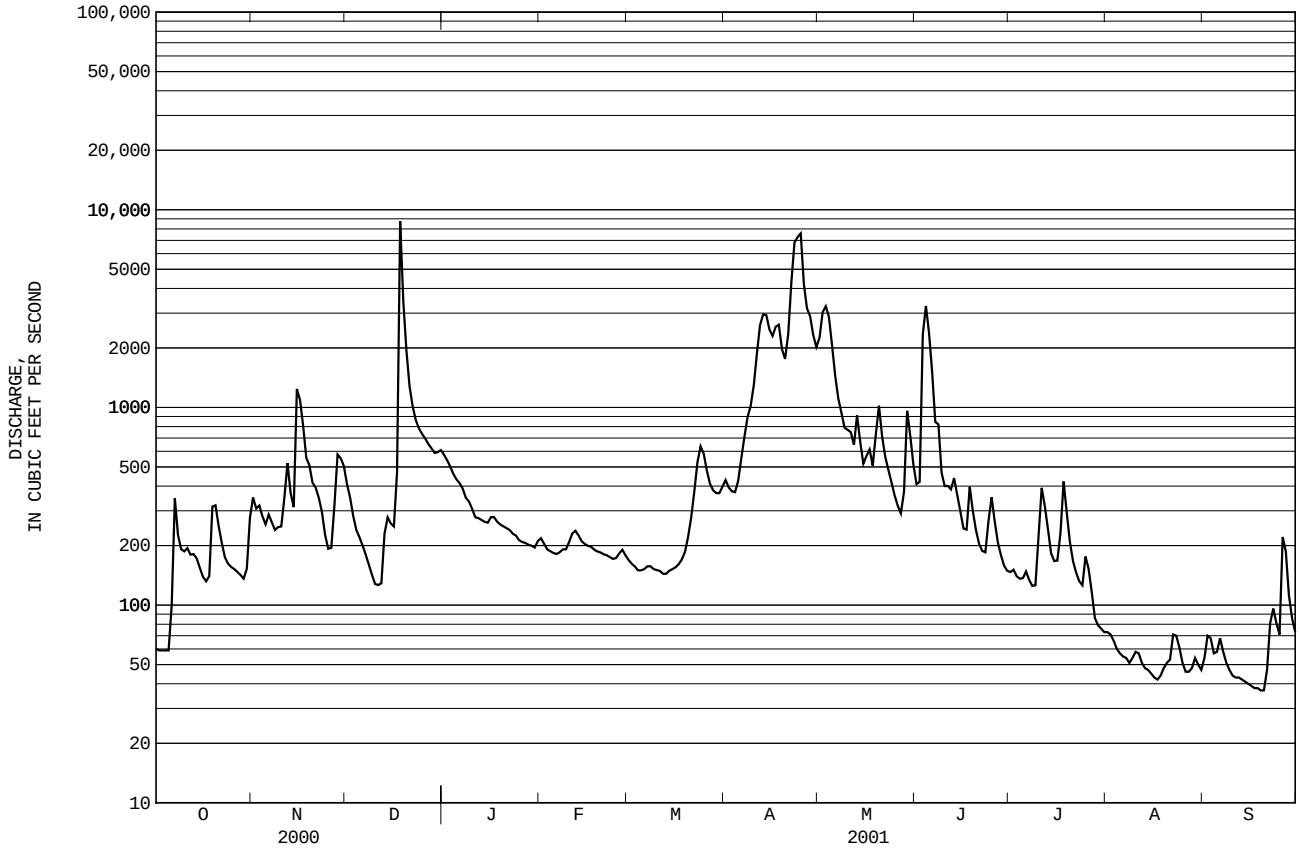
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2001, BY WATER YEAR (WY)

MEAN	496	770	604	378	330	846	2344	1562	618	330	219	242
MAX	2606	2492	3565	1633	1922	4750	4009	3694	2916	2201	1124	1768
(WY)	1978	1964	1974	1996	1970	1936	1993	1972	1998	1996	1976	1954
MIN	63.1	92.4	58.9	78.1	60.1	120	802	456	159	88.5	53.9	44.0
(WY)	1948	1979	1979	1948	1948	1956	1981	1941	1964	1971	2001	1948

e Estimated

01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1903 - 2001	
ANNUAL TOTAL	263380		199307			
ANNUAL MEAN	720		546		729	
HIGHEST ANNUAL MEAN					1288	1996
LOWEST ANNUAL MEAN					333	1941
HIGHEST DAILY MEAN	11500	Apr 24	8750	Dec 18	36000	Apr 1 1987
LOWEST DAILY MEAN	59	Oct 2	37	Sep 19	27	Aug 28 1949
ANNUAL SEVEN-DAY MINIMUM	60	Sep 29	39	Sep 14	32	Aug 22 1949
MAXIMUM PEAK FLOW			13100	Dec 18	50700	Apr 1 1987
MAXIMUM PEAK STAGE			13.28	Dec 18	27.78	Feb 21 1978
INSTANTANEOUS LOW FLOW			36	Sep 20	18	Oct 29 1929
ANNUAL RUNOFF (CFSM)	2.04		1.55		2.06	
ANNUAL RUNOFF (INCHES)	27.76		21.00		28.05	
10 PERCENT EXCEEDS	1620		1160		1770	
50 PERCENT EXCEEDS	264		227		314	
90 PERCENT EXCEEDS	90		56		98	



01048000 SANDY RIVER NEAR MERCER, ME

LOCATION.--Lat 44°42'26", long 69°56'21", 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). WRD 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. 25-26, Dec. 2-17, and Dec. 21 to Apr. 12, and periods of doubtful gage-height record, Apr. 12-25 and May 14-15, which are fair. Satellite gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located at the end of the 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, 32 ft^3/s, Sep. 22-26, 1939, gage height, 2.15 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)
Dec 18	1245	*14,800	*10.51	June 3	2130	6,060	7.64
Apr 25	0815	13,000	9.91				

Minimum discharge, 37 ft^3/s, Sept. 20, gage height, 2.35 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	443	679	e847	e321	e253	e498	2700	608	268	127	68
2	81	367	e532	e806	e316	e240	e531	3370	654	265	120	70
3	81	304	e425	e773	e303	e233	e516	3440	4100	248	117	74
4	81	285	e353	e720	e289	e223	e495	3050	4810	227	109	84
5	79	265	e313	e691	e277	e215	e618	2290	2910	287	101	78
6	108	274	e282	e664	e284	e222	e768	1670	1800	381	100	75
7	249	319	e234	e644	e295	e225	e923	1300	1300	293	90	85
8	310	284	e208	e619	e308	e226	e1170	1120	1020	244	85	76
9	222	271	e190	e600	e311	e222	e1410	1010	767	228	85	67
10	194	272	e181	e570	e308	e220	e1990	940	621	402	85	60
11	173	327	e177	e549	e302	e218	e3200	869	594	1120	87	56
12	162	591	e200	e520	e298	e221	e3640	789	623	1310	83	51
13	150	494	e302	e500	e295	e235	4150	906	686	945	79	48
14	145	399	e341	e480	e289	e260	4830	876	592	677	72	45
15	140	1480	e292	e471	e285	e285	4710	678	481	552	69	43
16	131	1490	e281	e467	e279	e315	4630	616	403	489	66	42
17	123	928	e910	e461	e272	e282	4830	661	366	509	64	40
18	126	701	11400	e435	e265	e272	4710	607	597	493	61	39
19	279	568	4040	e420	e260	e275	3500	808	551	494	59	38
20	475	476	2380	e405	e257	e358	3350	1490	404	376	59	38
21	325	446	e1610	e395	e251	e453	4240	1000	330	306	64	45
22	245	424	e1400	e388	e251	e585	7050	745	284	258	89	49
23	203	385	e1260	e371	e245	e826	10600	618	258	222	89	65
24	179	294	e1140	e360	e242	e811	9640	535	356	208	84	96
25	164	e244	e1060	e354	e242	e701	10600	469	2280	227	77	100
26	156	e235	e988	e344	e254	e617	5790	412	1030	279	69	146
27	149	507	e937	e336	e266	e528	4510	380	673	252	63	371
28	142	858	e891	e335	e268	e493	4090	502	495	222	61	228
29	143	841	e838	e321	---	e478	3240	1590	382	184	71	159
30	149	763	e856	e310	---	e472	2700	1240	300	150	68	130
31	286	---	e891	e315	---	e467	---	804	---	136	65	---
TOTAL	5532	15535	35591	15471	7833	11431	112929	37485	30275	12252	2518	2566
MEAN	178	518	1148	499	280	369	3764	1209	1009	395	81.2	85.5
MAX	475	1490	11400	847	321	826	10600	3440	4810	1310	127	371
MIN	79	235	177	310	242	215	495	380	258	136	59	38
CFSM	.35	1.00	2.22	.97	.54	.71	7.30	2.34	1.96	.77	.16	.17
IN.	.40	1.12	2.57	1.12	.56	.82	8.14	2.70	2.18	.88	.18	.18

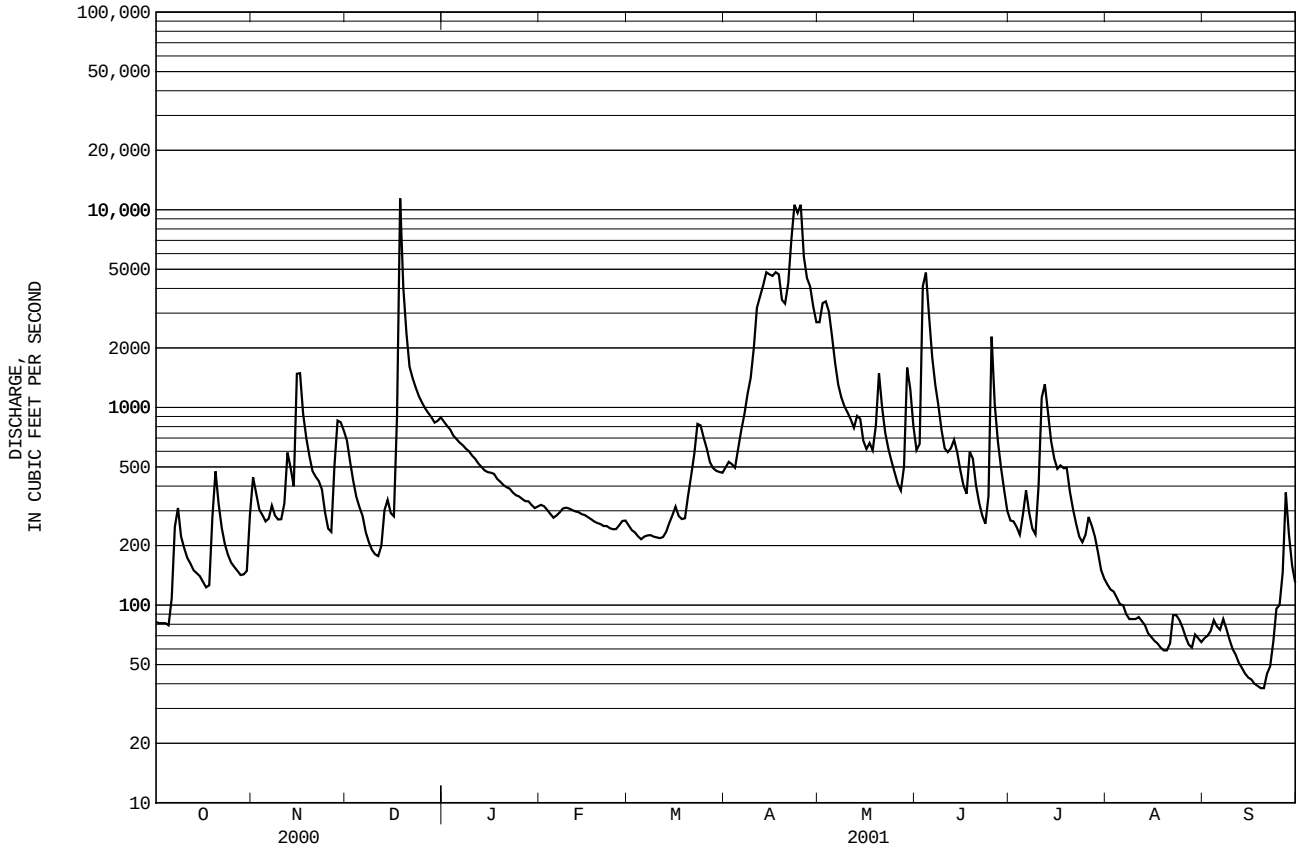
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

MEAN	555	969	840	558	504	1255	3419	1914	786	400	244	278
MAX	3057	2947	4315	2285	3322	6479	5399	4105	3824	2300	1439	2664
(WY)	1978	1964	1974	1978	1970	1936	1951	1972	1998	1996	1976	1954
MIN	61.1	107	85.8	100	87.7	242	1334	480	202	95.9	72.9	52.7
(WY)	1948	1979	1979	1948	1948	1956	1995	1941	1941	1993	1949	1995

e Estimated

01048000 SANDY RIVER NEAR MERCER, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	358384		289418			
ANNUAL MEAN	979		793		978	
HIGHEST ANNUAL MEAN					1583	1974
LOWEST ANNUAL MEAN					436	1941
HIGHEST DAILY MEAN	15100	Mar 29	11400	Dec 18	31400	Mar 27 1953
LOWEST DAILY MEAN	79	Oct 5	38	Sep 19	32	Sep 25 1939
ANNUAL SEVEN-DAY MINIMUM	82	Sep 29	41	Sep 14	33	Sep 19 1939
MAXIMUM PEAK FLOW			14800	Dec 18	38600	Mar 19 1936
MAXIMUM PEAK STAGE			10.51	Dec 18	18.89	Feb 12 1979
INSTANTANEOUS LOW FLOW			37	Sep 20	32	Sep 22 1939
ANNUAL RUNOFF (CFSM)	1.90		1.54		1.89	
ANNUAL RUNOFF (INCHES)	25.84		20.87		25.75	
10 PERCENT EXCEEDS	2230		1600		2460	
50 PERCENT EXCEEDS	328		321		426	
90 PERCENT EXCEEDS	137		79		112	



01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME

LOCATION.--Lat 44°43'00", long 69°24'56", 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 year 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. 2-3, Feb. 17-18, 25, and Feb. 28 to Mar. 4, which are fair. Flow regulated by dam 0.4 mi upstream, and by Great Moose and Sebasticook Lakes and Plymouth Pond, combined capacity about 2.345 billion ft^3. Satellite gage-height 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, 7,470 ft^3/s, Apr. 18, gage height, 8.78 ft; minimum daily discharge, 18 ft^3/s, Nov. 25.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	456	350	237	428	199	e185	863	2210	219	199	80	39
2	446	244	426	e280	164	e172	825	1680	242	196	76	37
3	400	229	439	e123	163	e154	789	1250	556	214	77	34
4	363	246	180	259	161	e167	693	799	987	153	76	86
5	372	223	423	289	157	149	671	417	1430	158	72	537
6	352	251	164	276	198	166	700	454	1700	150	78	859
7	325	250	335	306	182	168	847	243	1610	116	84	1010
8	304	221	175	221	213	640	977	223	1320	143	85	1060
9	298	212	195	286	168	911	1130	414	1070	141	87	1040
10	319	251	343	237	226	1160	1600	315	840	94	90	985
11	258	278	279	260	172	1200	2220	323	680	74	87	914
12	266	166	62	193	213	1030	2850	337	207	288	78	844
13	269	175	54	232	204	356	3500	274	168	272	73	777
14	215	189	143	227	189	284	4160	294	162	228	73	714
15	224	249	85	193	198	222	4900	231	179	200	67	658
16	176	338	117	214	221	184	5740	231	180	186	65	610
17	182	252	446	199	e201	327	6330	231	125	195	65	574
18	241	181	1280	310	e180	219	6680	229	227	215	64	543
19	194	256	2490	121	195	299	6600	233	158	121	64	518
20	225	349	3230	267	198	219	6030	302	147	143	67	448
21	205	233	3460	171	171	389	5610	305	170	151	70	468
22	179	280	3120	104	179	324	5380	302	162	144	77	469
23	175	329	2610	134	165	449	5480	277	109	140	72	376
24	157	101	2040	147	181	465	5570	268	110	138	94	370
25	157	18	1650	151	e163	474	5580	210	299	145	139	430
26	182	133	1250	145	181	479	5470	206	470	126	151	477
27	290	399	919	145	171	815	5160	201	427	99	108	347
28	223	455	499	145	e184	1020	4440	187	313	90	60	352
29	257	271	259	145	---	985	3540	239	229	88	55	362
30	336	454	301	126	---	956	2790	288	202	85	43	306
31	372	---	313	139	---	886	---	256	---	84	37	---
TOTAL	8418	7583	27524	6473	5197	15454	107125	13429	14698	4776	2414	16244
MEAN	272	253	888	209	186	499	3571	433	490	154	77.9	541
MAX	456	455	3460	428	226	1200	6680	2210	1700	288	151	1060
MIN	157	18	54	104	157	149	671	187	109	74	37	34

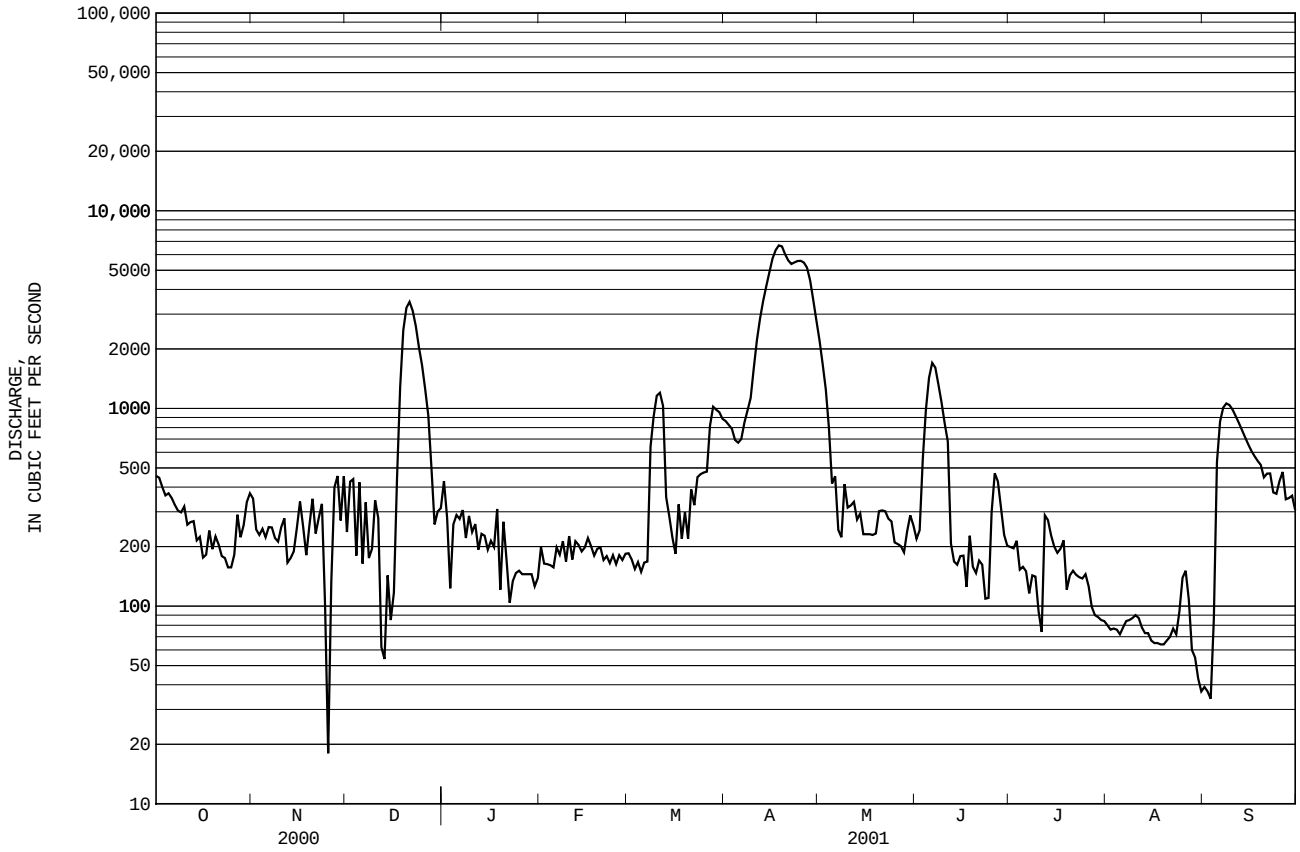
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

MEAN	470	888	1028	697	673	1343	3363	1411	638	348	269	413
MAX	2654	2913	4609	2260	3576	5764	5768	3202	3659	1914	1708	3447
(WY)	1978	1964	1974	1978	1970	1936	1934	1945	1984	1973	1976	1954
MIN	76.6	67.1	73.1	95.6	82.2	303	882	242	160	74.1	53.5	62.1
(WY)	1979	1953	1930	1989	1993	1967	1981	1999	1992	1983	1982	1982

e Estimated

01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	334299		229335			
ANNUAL MEAN	913		628		958	
HIGHEST ANNUAL MEAN					1645	1954
LOWEST ANNUAL MEAN					437	1985
HIGHEST DAILY MEAN	7470	Mar 31	6680	Apr 18	17200	Apr 3 1987
LOWEST DAILY MEAN	18	Nov 25	18	Nov 25	4.5	Nov 10 1956
ANNUAL SEVEN-DAY MINIMUM	35	Jul 27	44	Aug 28	6.6	Nov 6 1965
MAXIMUM PEAK FLOW			7470	Apr 18	17600	Apr 3 1987
MAXIMUM PEAK STAGE			8.78	Apr 18	15.53	Apr 3 1987
10 PERCENT EXCEEDS	2380		1250		2460	
50 PERCENT EXCEEDS	322		233		485	
90 PERCENT EXCEEDS	70		87		114	



01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME

LOCATION.--Lat 44 28'21", long 69 41'09" (revised), Kennebec County, Hydrologic Unit 01030003, on right bank at North Sidney, 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 Sept 2001. 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 period of ice effect, Dec. 23 to Mar. 18, and periods of doubtful gage height record, Jun. 16-17, 19-20, 27-28, 30, and Jul. 1, which are fair. Flow regulated by Indian Plymouth Ponds, and Moosehead, Brassua, Flagstaff, Wyman, Great Moose, and Sebastic Lakes, combined capacity about 50.318 billion ft^3. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 57,900 ft^3/s, Dec. 18, gage height, 16.20 ft; minimum daily discharge, 2,350 ft^3/s, Sept. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3230	4870	4710	e5190	e5730	e5410	5410	18700	4370	e4940	2990	3010
2	3460	4500	4500	e4900	e5650	e5290	5590	17900	4960	4990	3060	2350
3	3270	4620	4190	e4680	e5520	e5150	5180	19200	14900	4780	2890	2800
4	3210	4790	3970	e5410	e5580	e5390	5140	18500	23500	4490	3150	5600
5	3070	3850	4010	e5410	e5630	e5450	5630	16500	21600	4800	2910	2710
6	3890	3910	4040	e5500	e5570	e5580	6530	14000	19000	4900	2790	3110
7	3400	3960	3660	e5440	e5630	e5520	7410	11600	15200	4810	3060	3490
8	3640	3950	4200	e5880	e5570	e5450	8540	9600	12800	4470	2970	3960
9	3670	3960	3100	e5950	e5500	e5210	9020	7820	10900	4620	2920	3710
10	3580	3650	3390	e6090	e5440	e5520	11700	5850	7940	4650	4080	3480
11	3850	3660	3690	e6230	e5200	e5450	18200	3720	7560	6070	2830	4020
12	3510	4170	3990	e6750	e5140	e5390	23800	3750	6250	6410	2920	4470
13	3530	4260	3850	e6990	e5570	e4700	26700	4370	5870	5270	3010	4480
14	3270	4130	4200	e7070	e5500	e4540	28800	4670	5470	4320	2940	4720
15	3160	6920	4170	e6830	e5630	e4370	29900	4730	4720	4140	2860	4680
16	3170	9890	3520	e6830	e5440	e4320	30600	4330	e4270	4000	2760	4320
17	3090	7800	5980	e6260	e5320	e4320	32500	4910	e4720	4050	2690	4640
18	3270	6120	44600	e6410	e5260	e4080	31800	3500	5720	4650	2680	4060
19	3970	5360	33300	e6470	e5520	4150	28200	3500	e6570	4550	2610	2930
20	4160	4390	19800	e6320	e5580	4420	26300	6510	e6000	4310	2550	3120
21	4560	4410	15600	e6160	e5460	4640	28000	5920	5750	3860	2390	3370
22	4030	4040	14000	e6230	e5210	5270	33000	5650	5540	3220	2930	3330
23	3850	3950	e11700	e6160	e5460	5520	42900	4610	4940	3240	2650	3360
24	3470	3520	e10300	e6060	e5330	5550	49300	3910	4520	3330	2620	3170
25	3600	3060	e9540	e5990	e5270	6040	52500	3950	9260	4200	2720	3300
26	3060	3050	e8500	e5910	e5580	5920	46400	3490	7280	4260	2650	3820
27	3240	5040	e8800	e5910	e5670	5720	33700	4050	e7060	3390	2560	3590
28	3420	5930	e8310	e5840	e5540	6060	28000	3860	e7390	3220	2490	3920
29	3240	6240	e5610	e5910	---	5930	25100	5900	5590	3170	2890	3110
30	3400	5510	e5240	e6090	---	5840	21000	6820	e5110	3090	2530	3340
31	4200	---	e5310	e5800	---	5730	---	5200	---	3140	2450	---
TOTAL	109470	143510	269780	186670	153500	161930	706850	237020	254760	133340	87550	109970
MEAN	3531	4784	8703	6022	5482	5224	23560	7646	8492	4301	2824	3666
MAX	4560	9890	44600	7070	5730	6060	52500	19200	23500	6410	4080	5600
MIN	3060	3050	3100	4680	5140	4080	5140	3490	4270	3090	2390	2350

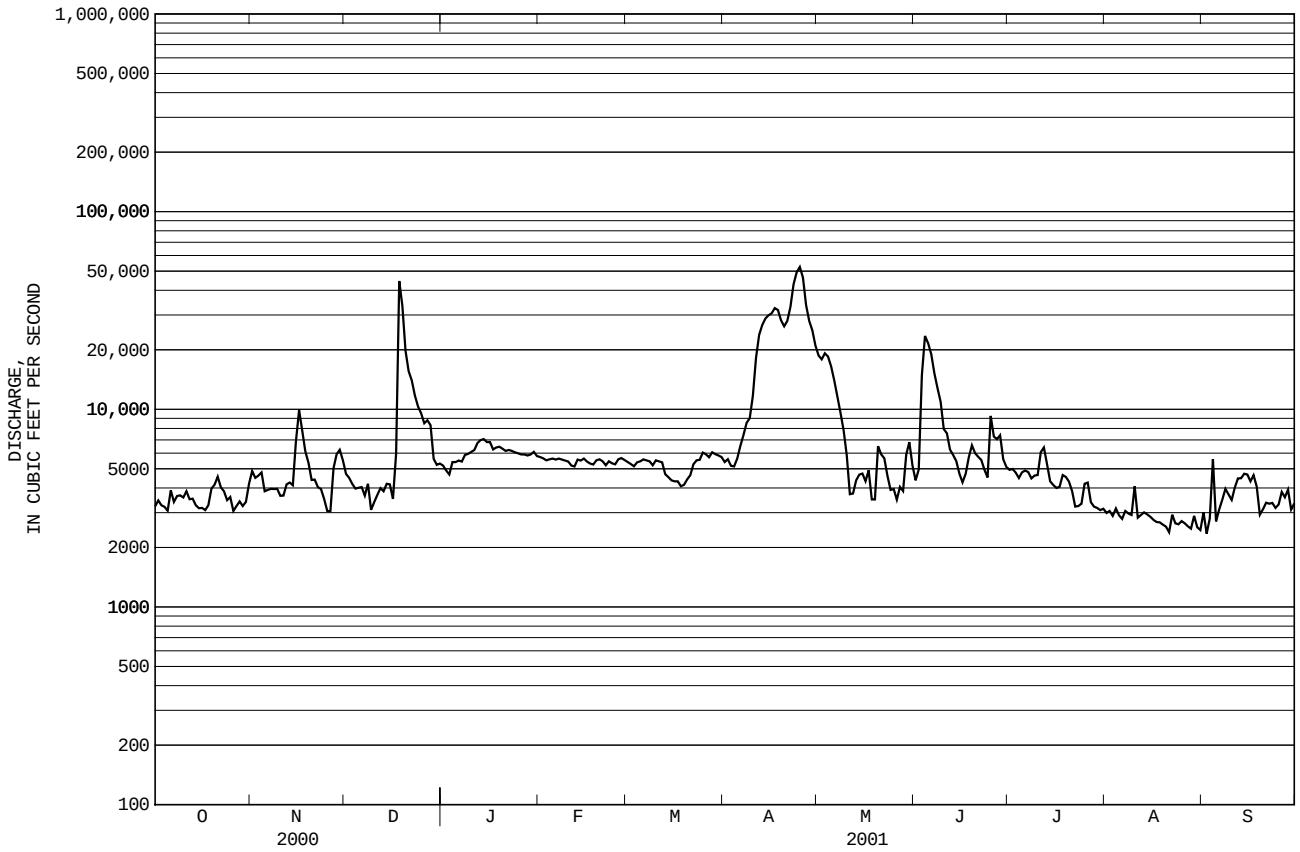
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2001, BY WATER YEAR (WY)

MEAN	6675	8527	7881	6217	6422	11120	23000	14230	8954	5023	4734	5126
MAX	15020	17620	17660	12230	10200	22470	36430	25530	29420	10550	7196	7636
(WY)	1982	1991	1991	1986	1981	1979	1983	1989	1984	1984	1991	1981
MIN	3531	3735	3579	3409	3446	4995	7110	6016	3252	3362	2824	3153
(WY)	2001	1985	1985	1985	1980	1989	1981	1985	1988	1980	2001	2000

e Estimated

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1979 - 2001	
ANNUAL TOTAL			2554350			
ANNUAL MEAN			6998		8889	
HIGHEST ANNUAL MEAN					13730	1984
LOWEST ANNUAL MEAN					5617	1985
HIGHEST DAILY MEAN	71000	Mar 29	52500	Apr 25	186000	Apr 2 1987
LOWEST DAILY MEAN	2830	Aug 28	2350	Sep 2	1160	Jul 7 1988
ANNUAL SEVEN-DAY MINIMUM	2980	Sep 12	2610	Aug 27	2270	Sep 2 1987
MAXIMUM PEAK FLOW			57900	Dec 18	232000	Apr 2 1987
MAXIMUM PEAK STAGE			16.20	Dec 18	39.31	Apr 2 1987
10 PERCENT EXCEEDS	26600		13300		17900	
50 PERCENT EXCEEDS	5360		4900		5920	
90 PERCENT EXCEEDS	3130		3060		3650	



01049320 KENNEBEC RIVER AT FATHER CURRAN BRIDGE AT AUGUSTA, ME

LOCATION.--Lat 44°19'06", long 69°46'17", 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, Oct. 1-11 and Jan. 22. Gage height affected by ocean tides and regulation of Indian and Plymouth Ponds, and Moosehead, Brassua, Flagstaff, Wyman, Great Moose, and Sebasticook Lakes, combined capacity about 50.318 billion ft^3. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage-height, 16.29 ft, June 15, 1998; minimum gage-height, -2.54 ft, Aug. 31, 1999.

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, 12.27 ft, Dec. 18; minimum gage height, -2.43 ft, Aug. 20.

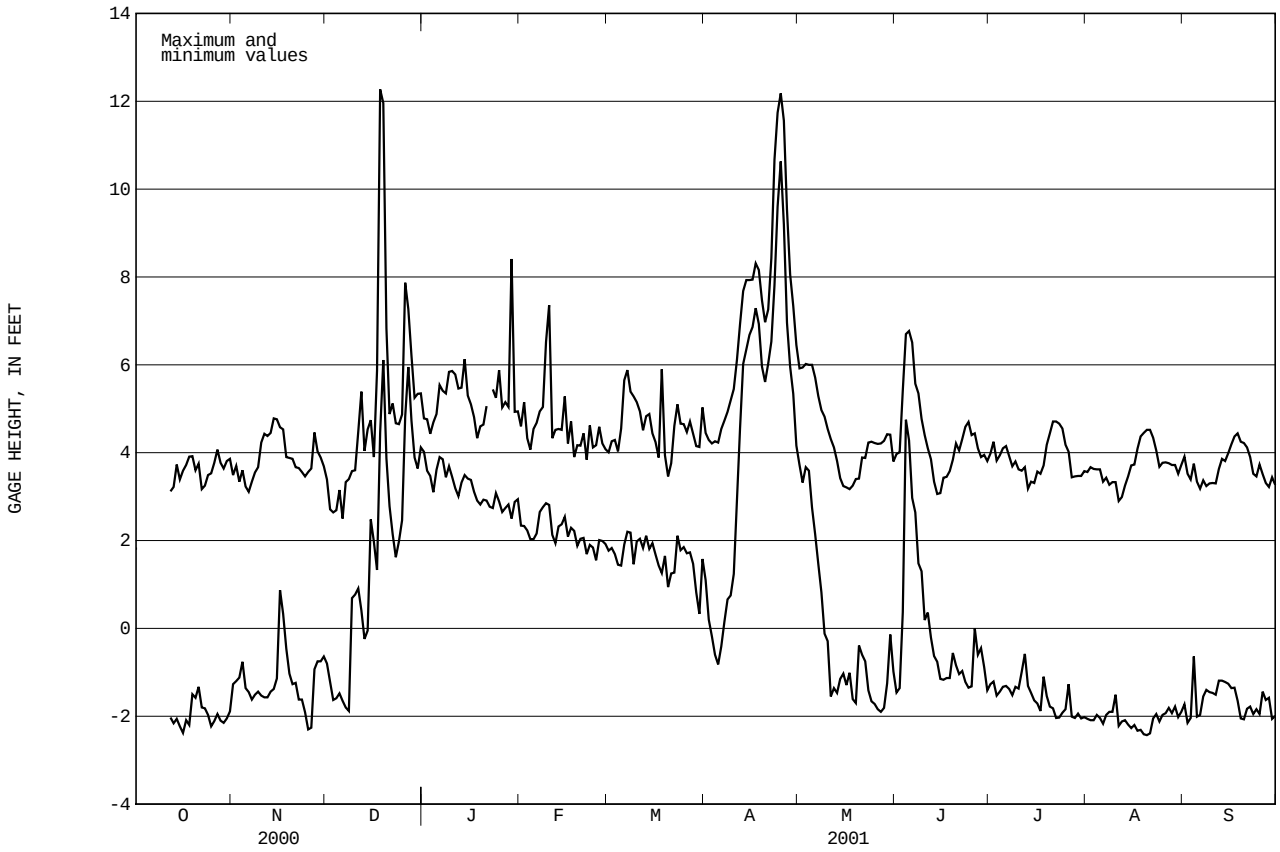
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	3.49	-1.27	3.39	-.80	4.78	4.02	4.60	2.34	4.01	1.77
2	---	---	3.70	-1.20	2.71	-1.22	4.76	3.59	5.15	2.33	4.26	1.83
3	---	---	3.34	-1.12	2.64	-1.63	4.43	3.47	4.33	2.23	4.29	1.69
4	---	---	3.60	-.76	2.69	-1.59	4.69	3.10	4.07	2.03	4.03	1.45
5	---	---	3.23	-1.36	3.15	-1.48	4.88	3.61	4.54	2.03	4.55	1.43
6	---	---	3.11	-1.45	2.50	-1.65	5.54	3.90	4.68	2.16	5.65	1.91
7	---	---	3.34	-1.62	3.33	-1.80	5.41	3.85	4.94	2.65	5.88	2.20
8	---	---	3.55	-1.51	3.40	-1.88	5.35	3.44	5.04	2.76	5.39	2.18
9	---	---	3.67	-1.44	3.58	.69	5.84	3.69	6.52	2.85	5.28	1.46
10	---	---	4.23	-1.53	3.60	.77	5.86	3.45	7.36	2.81	5.15	1.98
11	---	---	4.43	-1.57	4.48	.91	5.78	3.19	4.33	2.13	4.94	2.04
12	3.12	-2.03	4.38	-1.57	5.39	.41	5.46	3.01	4.52	1.94	4.51	1.83
13	3.22	-2.16	4.45	-1.44	4.04	-.24	5.48	3.32	4.54	2.32	4.83	2.11
14	3.73	-2.06	4.78	-1.38	4.53	-.05	6.13	3.49	4.52	2.37	4.88	1.81
15	3.39	-2.23	4.76	-1.14	4.74	2.48	5.30	3.41	5.28	2.54	4.44	1.94
16	3.59	-2.38	4.58	.87	3.90	1.97	5.10	3.38	4.21	2.09	4.24	1.68
17	3.72	-2.09	4.53	.33	5.87	1.33	4.81	3.11	4.71	2.29	3.89	1.43
18	3.91	-2.20	3.90	-.46	12.27	4.46	4.33	2.91	3.90	2.22	5.90	1.26
19	3.92	-1.50	3.88	-1.03	11.96	6.11	4.60	2.82	4.17	1.88	3.94	1.65
20	3.60	-1.58	3.86	-1.27	6.83	3.87	4.64	2.93	4.16	2.04	3.46	.94
21	3.75	-1.33	3.67	-1.24	4.88	2.78	5.06	2.91	4.44	2.06	3.76	1.25
22	3.17	-1.80	3.65	-1.62	5.12	2.14	---	2.77	3.84	1.69	4.61	1.27
23	3.25	-1.82	3.56	-1.62	4.67	1.62	5.44	2.74	4.62	1.90	5.10	2.11
24	3.49	-1.97	3.46	-1.91	4.65	1.98	5.25	3.08	4.12	1.84	4.66	1.78
25	3.53	-2.23	3.56	-2.30	4.87	2.46	5.88	2.89	4.17	1.55	4.65	1.85
26	3.77	-2.11	3.64	-2.26	7.87	4.82	5.03	2.65	4.59	2.01	4.47	1.71
27	4.07	-1.95	4.46	-.93	7.27	5.95	5.15	2.74	4.21	1.99	4.71	1.73
28	3.77	-2.10	4.03	-.75	6.21	4.73	5.04	2.82	4.08	1.92	4.43	1.47
29	3.64	-2.15	3.89	-.75	5.25	3.89	8.41	2.50	---	---	4.15	.82
30	3.81	-2.05	3.69	-.64	5.34	3.64	4.93	2.88	---	---	4.13	.33
31	3.86	-1.89	---	---	5.35	4.12	4.94	2.94	---	---	5.03	1.58
MONTH	---	---	4.78	-2.30	12.27	-1.88	---	2.50	7.36	1.55	5.90	.33

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	4.45	1.10	5.92	3.72	3.97	-1.46	3.98	-1.27	3.56	-2.06	3.91	-1.73
2	4.29	.20	5.94	3.32	4.01	-1.36	4.25	-1.21	3.67	-2.09	3.52	-2.15
3	4.21	-.18	6.02	3.67	5.42	.37	3.82	-1.53	3.63	-2.09	3.39	-2.04
4	4.26	-.60	6.00	3.59	6.70	4.75	3.94	-1.44	3.62	-1.97	3.75	-.64
5	4.23	-.82	6.00	2.75	6.77	4.28	4.10	-1.33	3.62	-2.04	3.34	-2.01
6	4.54	-.41	5.71	2.14	6.51	2.97	4.15	-1.31	3.34	-2.17	3.18	-1.97
7	4.73	.15	5.29	1.47	5.57	2.64	3.92	-1.38	3.43	-1.97	3.37	-1.55
8	4.93	.66	4.97	.82	5.35	1.48	3.69	-1.52	3.27	-1.90	3.24	-1.40
9	5.19	.75	4.82	-.12	4.77	1.30	3.80	-1.33	3.33	-1.90	3.30	-1.45
10	5.45	1.24	4.54	-.29	4.40	.19	3.62	-1.37	3.33	-1.51	3.31	-1.47
11	6.11	2.90	4.31	-1.55	4.10	.36	3.59	-.99	2.90	-2.22	3.30	-1.51
12	6.93	4.56	4.12	-1.36	3.85	-.21	3.67	-.58	2.99	-2.12	3.63	-1.19
13	7.68	6.02	3.81	-1.47	3.34	-.63	3.18	-1.31	3.25	-2.09	3.86	-1.19
14	7.93	6.35	3.42	-1.15	3.06	-.76	3.34	-1.47	3.46	-2.19	3.81	-1.22
15	7.93	6.68	3.24	-1.03	3.08	-1.15	3.31	-1.64	3.71	-2.27	3.99	-1.26
16	7.94	6.86	3.21	-1.29	3.43	-1.17	3.57	-1.71	3.73	-2.20	4.19	-1.36
17	8.31	7.29	3.17	-1.01	3.45	-1.13	3.52	-1.88	4.09	-2.33	4.37	-1.35
18	8.16	6.93	3.25	-1.61	3.58	-1.13	3.71	-1.10	4.37	-2.31	4.44	-1.65
19	7.47	5.96	3.40	-1.70	3.84	-.56	4.18	-1.54	4.45	-2.41	4.25	-2.05
20	6.97	5.61	3.41	-.39	4.21	-.84	4.44	-1.78	4.52	-2.43	4.22	-2.07
21	7.26	6.03	3.89	-.60	4.05	-1.04	4.71	-1.82	4.52	-2.39	4.12	-1.83
22	8.43	6.53	3.88	-.75	4.31	-.97	4.71	-2.04	4.34	-2.05	3.90	-1.78
23	10.67	7.81	4.23	-1.41	4.59	-1.22	4.66	-2.03	4.05	-1.95	3.52	-1.95
24	11.74	9.60	4.25	-1.66	4.70	-1.35	4.55	-1.92	3.68	-2.12	3.46	-1.84
25	12.18	10.63	4.22	-1.72	4.40	-1.32	4.18	-1.84	3.77	-1.97	3.73	-1.95
26	11.56	9.20	4.20	-1.84	4.44	.00	4.02	-1.27	3.78	-1.93	3.51	-1.44
27	9.53	6.96	4.21	-1.90	4.10	-.60	3.44	-2.01	3.76	-1.81	3.31	-1.63
28	8.06	5.96	4.27	-1.81	3.90	-.45	3.46	-2.04	3.72	-1.93	3.22	-1.58
29	7.34	5.34	4.42	-1.25	3.95	-.88	3.47	-1.94	3.72	-1.78	3.44	-2.06
30	6.45	4.16	4.41	-.14	3.81	-1.41	3.47	-2.05	3.52	-2.02	3.27	-1.99
31	---	---	3.80	-.98	---	---	3.58	-2.02	3.72	-1.90	---	---
MONTH	12.18	-.82	6.02	-1.90	6.77	-1.46	4.71	-2.05	4.52	-2.43	4.44	-2.15



01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME

LOCATION.--Lat 44°13'42", long 69°46'42", 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 is used in long term statistical analyses. Earlier data does 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.

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; minimum discharge, leakage only when all gates in dam were closed several days in 1890-1909.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,140 ft^3/s, Apr. 14, gage height, 7.49 ft; minimum daily discharge, 11 ft^3/s, Sept. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

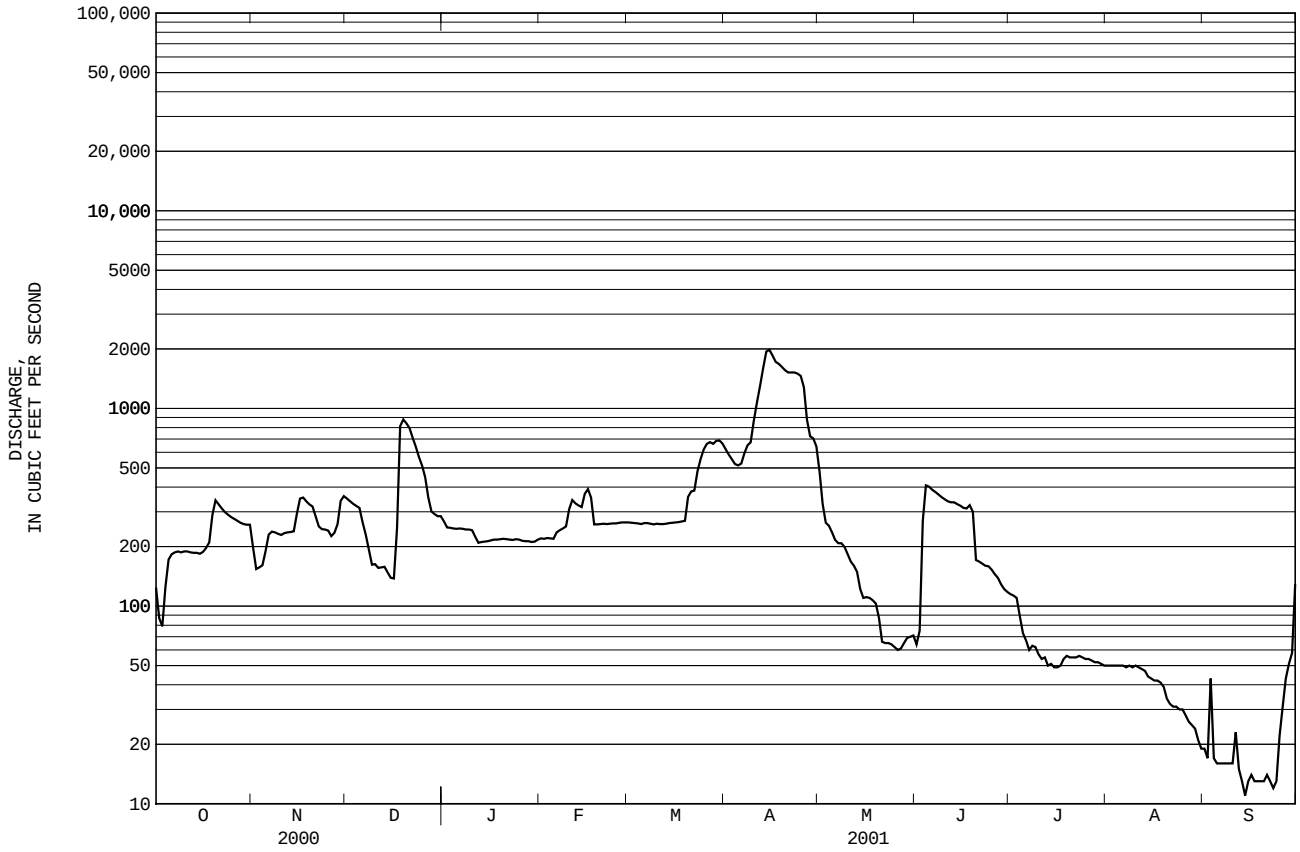
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	198	350	268	220	265	622	481	64	115	50	19
2	87	154	339	250	219	264	584	329	75	113	50	17
3	79	157	329	249	221	263	553	264	270	110	50	43
4	125	161	321	247	220	262	523	255	408	89	50	17
5	172	190	314	246	219	260	515	236	402	73	50	16
6	183	230	265	247	236	263	526	216	388	67	50	16
7	187	238	230	246	242	263	593	208	378	60	49	16
8	189	236	193	244	247	261	651	208	367	63	50	16
9	187	232	162	244	253	259	674	199	356	62	49	16
10	189	229	163	242	309	261	865	183	347	57	50	16
11	189	234	156	224	344	260	1070	168	339	54	49	23
12	187	236	157	209	331	260	1300	160	335	55	48	15
13	186	237	158	211	323	261	1600	149	335	50	47	13
14	186	239	148	212	317	263	1940	122	328	51	44	11
15	184	293	139	213	370	264	1980	110	322	49	43	13
16	188	350	138	215	391	265	1850	111	314	49	42	14
17	197	354	248	217	354	266	1720	110	312	50	42	13
18	210	339	813	217	259	268	1680	107	324	54	41	13
19	289	327	879	218	259	270	1620	103	300	56	39	13
20	343	319	841	219	260	357	1560	87	171	55	34	13
21	327	284	795	218	261	380	1520	66	168	55	32	14
22	312	253	710	217	260	384	1520	65	164	55	31	13
23	299	245	640	216	261	480	1520	65	160	56	31	12
24	290	244	568	218	262	554	1500	64	159	55	30	13
25	282	241	514	217	262	620	1460	62	153	54	30	22
26	276	226	448	214	264	662	1280	60	145	54	28	31
27	270	235	354	213	265	675	876	61	139	53	26	43
28	264	260	301	213	265	662	723	65	129	52	25	51
29	260	341	292	211	---	685	705	69	122	52	24	58
30	258	360	285	212	---	689	643	70	118	51	21	129
31	258	---	285	217	---	664	---	71	---	50	19	---
TOTAL	6777	7642	11535	7004	7694	11810	34173	4524	7592	1919	1224	719
MEAN	219	255	372	226	275	381	1139	146	253	61.9	39.5	24.0
MAX	343	360	879	268	391	689	1980	481	408	115	50	129
MIN	79	154	138	209	219	259	515	60	64	49	19	11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2001, BY WATER YEAR (WY)

MEAN	252	268	332	287	304	541	945	457	307	189	169	195
MAX	1039	879	1517	750	975	2086	2386	1331	1720	810	285	905
(WY)	1978	1978	1984	1978	1996	1936	1920	1989	1917	1996	1906	1954
MIN	55.0	57.8	39.7	97.2	97.5	126	227	46.9	36.4	29.5	13.6	24.0
(WY)	1942	1979	1942	1985	1942	1980	1915	1999	1999	1999	1983	2001

01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1906 - 2001	
ANNUAL TOTAL	139593		102613			
ANNUAL MEAN	381		281		353	
HIGHEST ANNUAL MEAN					723	1984
LOWEST ANNUAL MEAN					172	1985
HIGHEST DAILY MEAN	1890	Apr 25	1980	Apr 15	4320	Mar 20 1936
LOWEST DAILY MEAN	45	Sep 10	11	Sep 14	.00	Aug 25 1907
ANNUAL SEVEN-DAY MINIMUM	46	Sep 8	13	Sep 13	7.9	Aug 26 1983
MAXIMUM PEAK FLOW			2140	Apr 14	5020	Mar 21 1936
MAXIMUM PEAK STAGE			7.49	Apr 14		
10 PERCENT EXCEEDS	869		621		777	
50 PERCENT EXCEEDS	260		219		260	
90 PERCENT EXCEEDS	78		33		55	



01049505 KENNEBEC RIVER AT GARDINER, ME

LOCATION.--Lat 44°13'50", long 69°46'16", 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 National Geodetic Vertical Datum of 1929.

REMARKS.--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 gage-height telemeter at station.

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 peak of 24.7 ft, from flood marks.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 10.19 ft, Apr. 25, 2000; minimum gage height, -2.25 ft, Oct. 15, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.57 ft, Apr. 26; minimum gage height, -2.25 ft, Oct. 15.

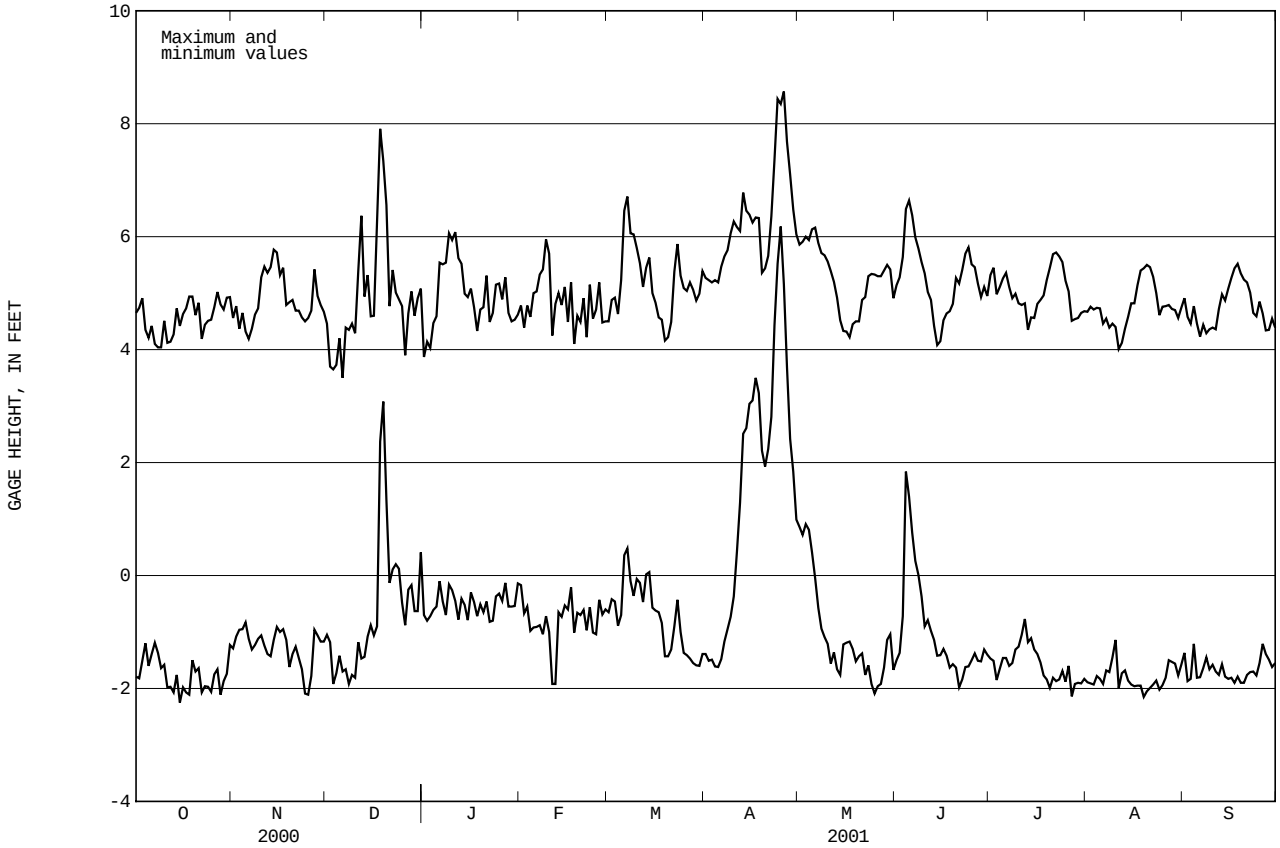
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	4.65	-1.79	4.56	-1.29	4.46	-1.05	3.87	-.70	4.78	-.17	4.50	-.65
2	4.74	-1.82	4.77	-1.08	3.70	-1.18	4.14	-.80	4.39	-.67	4.88	-.42
3	4.91	-1.51	4.37	-.96	3.65	-1.92	4.03	-.72	4.78	-.55	4.92	-.46
4	4.35	-1.20	4.65	-.95	3.73	-1.73	4.47	-.61	4.58	-.98	4.63	-.89
5	4.21	-1.60	4.32	-.83	4.20	-1.42	4.59	-.55	5.00	-.92	5.23	-.70
6	4.42	-1.39	4.19	-1.12	3.50	-1.70	5.54	-.10	5.03	-.91	6.46	.36
7	4.10	-1.19	4.37	-1.31	4.39	-1.66	5.51	-.46	5.33	-.88	6.71	.48
8	4.04	-1.37	4.62	-1.23	4.35	-1.92	5.54	-.70	5.42	-1.04	6.06	-.10
9	4.04	-1.64	4.73	-1.12	4.46	-1.76	6.06	-.16	5.95	-.72	6.04	-.36
10	4.51	-1.58	5.28	-1.06	4.29	-1.81	5.94	-.26	5.70	-1.00	5.80	-.06
11	4.12	-1.98	5.47	-1.24	5.39	-1.18	6.08	-.45	4.25	-1.92	5.53	-.13
12	4.14	-1.97	5.36	-1.39	6.37	-1.47	5.62	-.78	4.81	-1.92	5.11	-.47
13	4.27	-2.07	5.46	-1.43	4.94	-1.44	5.52	-.41	5.00	-.65	5.45	.02
14	4.73	-1.76	5.77	-1.14	5.32	-1.08	4.99	-.52	4.79	-.73	5.63	.06
15	4.42	-2.25	5.72	-.91	4.59	-.88	4.93	-.79	5.11	-.53	5.00	-.57
16	4.63	-1.98	5.32	-1.00	4.60	-1.06	5.08	-.30	4.49	-.60	4.83	-.62
17	4.73	-2.07	5.45	-.95	6.27	-.90	4.75	-.47	5.19	-.21	4.57	-.65
18	4.94	-2.11	4.79	-1.14	7.91	2.37	4.33	-.72	4.10	-1.01	4.53	-.84
19	4.94	-1.50	4.84	-1.62	7.34	3.08	4.71	-.51	4.60	-.66	4.16	-1.43
20	4.61	-1.70	4.88	-1.39	6.56	1.33	4.75	-.65	4.49	-.70	4.22	-1.43
21	4.83	-1.64	4.69	-1.26	4.77	-.13	5.31	-.46	4.91	-.61	4.49	-1.31
22	4.19	-2.07	4.69	-1.46	5.41	.11	4.49	-.82	4.22	-.97	5.38	-.90
23	4.44	-1.96	4.57	-1.66	5.01	.20	4.65	-.80	5.15	-.56	5.87	-.43
24	4.51	-1.97	4.50	-2.09	4.89	.12	5.15	-.37	4.55	-1.01	5.31	-1.00
25	4.53	-2.06	4.56	-2.11	4.77	-.48	5.17	-.32	4.71	-1.04	5.09	-1.37
26	4.75	-1.75	4.69	-1.78	3.90	-.88	4.89	-.45	5.19	-.43	5.04	-1.41
27	5.02	-1.66	5.42	-.96	4.64	-.25	5.28	-.13	4.48	-.69	5.19	-1.47
28	4.80	-2.11	4.95	-1.06	5.03	-.17	4.65	-.55	4.50	-.60	5.06	-1.55
29	4.71	-1.87	4.79	-1.17	4.60	-.63	4.50	-.55	---	---	4.87	-1.59
30	4.92	-1.74	4.67	-1.17	4.91	-.63	4.53	-.54	---	---	4.99	-1.60
31	4.93	-1.23	---	---	5.08	.41	4.62	-.14	---	---	5.39	-1.39
MONTH	5.02	-2.25	5.77	-2.11	7.91	-1.92	6.08	-.82	5.95	-1.92	6.71	-1.60

01049505 KENNEBEC RIVER AT GARDINER, ME--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	APRIL MAX	APRIL MIN	MAY MAX	MAY MIN	JUNE MAX	JUNE MIN	JULY MAX	JULY MIN	AUGUST MAX	AUGUST MIN	SEPTEMBER MAX	SEPTEMBER MIN
1	5.27	-1.39	5.86	.86	5.14	-1.50	5.32	-1.47	4.67	-1.89	4.91	-1.37
2	5.23	-1.51	5.91	.72	5.28	-1.37	5.45	-1.51	4.76	-1.91	4.58	-1.87
3	5.19	-1.49	6.00	.91	5.64	-.72	4.98	-1.85	4.71	-1.93	4.46	-1.83
4	5.23	-1.61	5.94	.81	6.49	1.84	5.11	-1.65	4.74	-1.78	4.77	-1.21
5	5.19	-1.62	6.13	.41	6.64	1.40	5.26	-1.46	4.73	-1.83	4.46	-1.81
6	5.47	-1.48	6.16	-.05	6.38	.76	5.36	-1.46	4.46	-1.92	4.23	-1.80
7	5.65	-1.17	5.89	-.57	5.99	.26	5.11	-1.60	4.55	-1.68	4.44	-1.64
8	5.76	-.95	5.71	-.94	5.79	.01	4.91	-1.55	4.39	-1.71	4.29	-1.45
9	6.06	-.73	5.67	-1.09	5.55	-.37	4.99	-1.31	4.46	-1.45	4.36	-1.66
10	6.27	-.37	5.56	-1.21	5.35	-.90	4.82	-1.26	4.40	-1.14	4.39	-1.58
11	6.17	.42	5.39	-1.56	5.02	-.79	4.79	-1.05	4.01	-1.99	4.36	-1.70
12	6.10	1.29	5.20	-1.36	4.88	-.98	4.82	-.77	4.12	-1.73	4.72	-1.76
13	6.78	2.51	4.92	-1.66	4.42	-1.14	4.35	-1.18	4.37	-1.68	4.98	-1.57
14	6.46	2.61	4.52	-1.76	4.08	-1.42	4.57	-1.11	4.58	-1.86	4.87	-1.79
15	6.39	3.04	4.33	-1.22	4.15	-1.41	4.56	-1.31	4.82	-1.93	5.08	-1.83
16	6.25	3.10	4.32	-1.19	4.52	-1.30	4.81	-1.39	4.82	-1.96	5.27	-1.81
17	6.34	3.50	4.22	-1.17	4.64	-1.42	4.88	-1.54	5.14	-1.95	5.44	-1.90
18	6.33	3.23	4.45	-1.30	4.68	-1.63	4.96	-1.77	5.40	-1.95	5.52	-1.79
19	5.36	2.21	4.50	-1.52	4.81	-1.57	5.23	-1.84	5.44	-2.15	5.35	-1.90
20	5.44	1.93	4.50	-1.43	5.27	-1.63	5.45	-1.99	5.50	-2.05	5.24	-1.90
21	5.66	2.24	4.88	-1.38	5.17	-1.98	5.69	-1.81	5.46	-1.99	5.19	-1.76
22	6.36	2.81	4.93	-1.76	5.41	-1.84	5.72	-1.87	5.29	-1.93	5.01	-1.71
23	7.36	4.43	5.30	-1.59	5.70	-1.62	5.65	-1.84	5.00	-1.86	4.65	-1.70
24	8.44	5.52	5.34	-1.92	5.81	-1.61	5.55	-1.69	4.61	-2.02	4.59	-1.77
25	8.35	6.18	5.33	-2.09	5.51	-1.50	5.22	-1.88	4.76	-1.94	4.85	-1.55
26	8.57	5.16	5.30	-1.96	5.46	-1.38	5.03	-1.60	4.77	-1.81	4.64	-1.21
27	7.68	3.69	5.30	-1.92	5.17	-1.51	4.51	-2.14	4.79	-1.50	4.34	-1.39
28	7.10	2.42	5.40	-1.63	4.93	-1.52	4.54	-1.92	4.72	-1.53	4.35	-1.49
29	6.48	1.84	5.50	-1.14	5.11	-1.31	4.56	-1.90	4.70	-1.56	4.55	-1.62
30	6.04	.99	5.42	-1.04	4.95	-1.40	4.65	-1.91	4.56	-1.77	4.39	-1.55
31	---	---	4.91	-1.67	---	---	4.68	-1.83	4.74	-1.58	---	---
MONTH	8.57	-1.62	6.16	-2.09	6.64	-1.98	5.72	-2.14	5.50	-2.15	5.52	-1.90
YEAR	8.57	-2.25										



01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH

LOCATION.--Lat 44°52'39", long 71°03'28", 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.--Discharges: July 1941 to current year.

Chemical analyses: Water year 1954.

REVISED RECORDS.--WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 1,259.48 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 3 to Feb. 24 and Mar. 23 to Apr. 15, which are fair. Satellite gage-height 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, 12.23 ft, Feb. 21, 1981 (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 24	1915	*7,320	*9.77	May 2	1845	4,240	8.01

Minimum discharge, 26 ft^3/s, Sept. 19-20, gage height, 1.76 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72	118	160	e149	e83	83	e77	2560	304	229	65	306
2	67	125	131	e145	e82	81	e77	3750	341	290	57	187
3	64	136	e111	e142	e80	80	e78	3680	871	150	52	83
4	62	126	e99	e138	e79	79	e76	2970	1180	99	48	57
5	66	192	e92	e135	e78	79	e78	1780	1230	117	45	49
6	244	325	e87	e132	e77	81	e91	985	854	109	42	44
7	304	231	e83	e129	e76	78	e108	721	526	81	40	39
8	206	214	e79	e126	e77	75	e119	621	349	70	39	36
9	227	183	e76	e124	e80	74	e126	557	263	69	40	34
10	176	204	e75	e122	e90	72	e136	487	214	252	51	32
11	167	565	e81	e120	e105	71	e253	404	200	280	47	36
12	280	456	e107	e118	e111	69	e519	386	250	655	40	34
13	252	297	e137	e116	e107	68	e644	663	207	335	36	31
14	196	247	e140	e114	e107	71	e685	414	164	330	34	30
15	158	582	e135	e112	e99	76	e560	310	135	512	32	29
16	133	407	e137	e109	e99	72	514	277	115	352	31	28
17	120	289	e323	e108	e99	71	558	245	139	249	31	27
18	125	250	e2310	e106	e97	73	584	223	180	290	44	27
19	204	202	e1120	e104	e93	72	452	621	119	184	44	26
20	165	179	e576	e103	e92	72	376	564	93	136	38	26
21	135	181	e372	e101	e92	80	669	323	80	109	45	35
22	118	165	e300	e99	e90	86	2210	246	74	91	47	64
23	106	132	e256	e97	e88	e79	4290	210	69	79	41	59
24	101	117	e219	e95	e89	e78	5330	182	226	82	36	46
25	98	106	e194	e94	88	e77	5200	160	202	506	32	54
26	94	131	e182	e92	88	e76	2390	141	112	200	30	252
27	91	180	e175	e90	87	e76	2080	136	82	119	32	127
28	91	234	e168	e88	84	e76	1850	206	65	92	45	76
29	89	199	e163	e87	---	e75	1440	543	56	79	52	58
30	92	177	e158	e86	---	e77	1500	331	54	71	51	50
31	105	---	e154	e84	---	e74	---	307	---	68	40	---
TOTAL	4408	6950	8400	3465	2517	2351	33070	25003	8754	6285	1307	1982
MEAN	142	232	271	112	89.9	75.8	1102	807	292	203	42.2	66.1
MAX	304	582	2310	149	111	86	5330	3750	1230	655	65	306
MIN	62	106	75	84	76	68	76	136	54	68	30	26
CFSM	.94	1.52	1.78	.74	.59	.50	7.25	5.31	1.92	1.33	.28	.43
IN.	1.08	1.70	2.06	.85	.62	.58	8.09	6.12	2.14	1.54	.32	.49

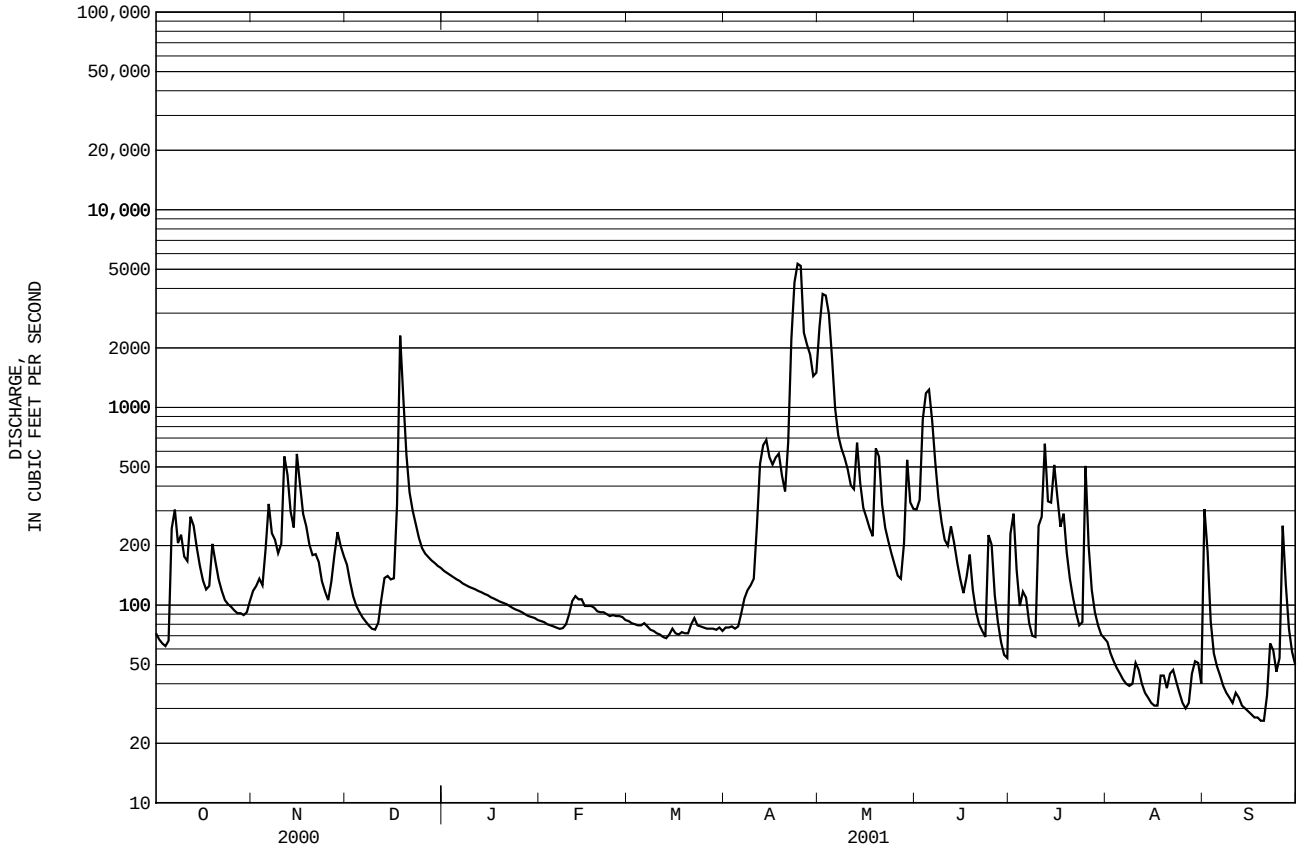
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2001, BY WATER YEAR (WY)

MEAN	266	336	229	169	149	292	1072	926	316	172	137	150
MAX	869	733	739	575	783	936	1591	2115	804	703	492	836
(WY)	1991	1964	1974	1995	1981	1998	1954	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1941 - 2001	
ANNUAL TOTAL	136203		104492			
ANNUAL MEAN	372		286		351	
HIGHEST ANNUAL MEAN					524	1996
LOWEST ANNUAL MEAN					225	1965
HIGHEST DAILY MEAN	5400	May 10	5330	Apr 24	9900	Mar 31 1998
LOWEST DAILY MEAN	48	Sep 12	26	Sep 19	6.8	Aug 28 1949
ANNUAL SEVEN-DAY MINIMUM	56	Feb 4	28	Sep 14	9.0	Sep 11 1952
MAXIMUM PEAK FLOW			7320	Apr 24	12800	Mar 31 1998
MAXIMUM PEAK STAGE			9.77	Apr 24	12.23	Feb 21 1981
INSTANTANEOUS LOW FLOW			26	Sep 19	6.8	Aug 27 1949
ANNUAL RUNOFF (CFSM)	2.45		1.88		2.31	
ANNUAL RUNOFF (INCHES)	33.33		25.57		31.42	
10 PERCENT EXCEEDS	853		557		847	
50 PERCENT EXCEEDS	154		109		158	
90 PERCENT EXCEEDS	62		45		52	



01053500 ANDROSCOGGIN RIVER AT ERROL, NH

LOCATION.--Lat 44°46'57", long 71°07'46", 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. Satellite and telephone gage-height telemeters at station.

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, 9,000 ft^3/s, Apr. 25, gage height, 6.99 ft; minimum daily discharge, 815 ft^3/s, Apr. 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

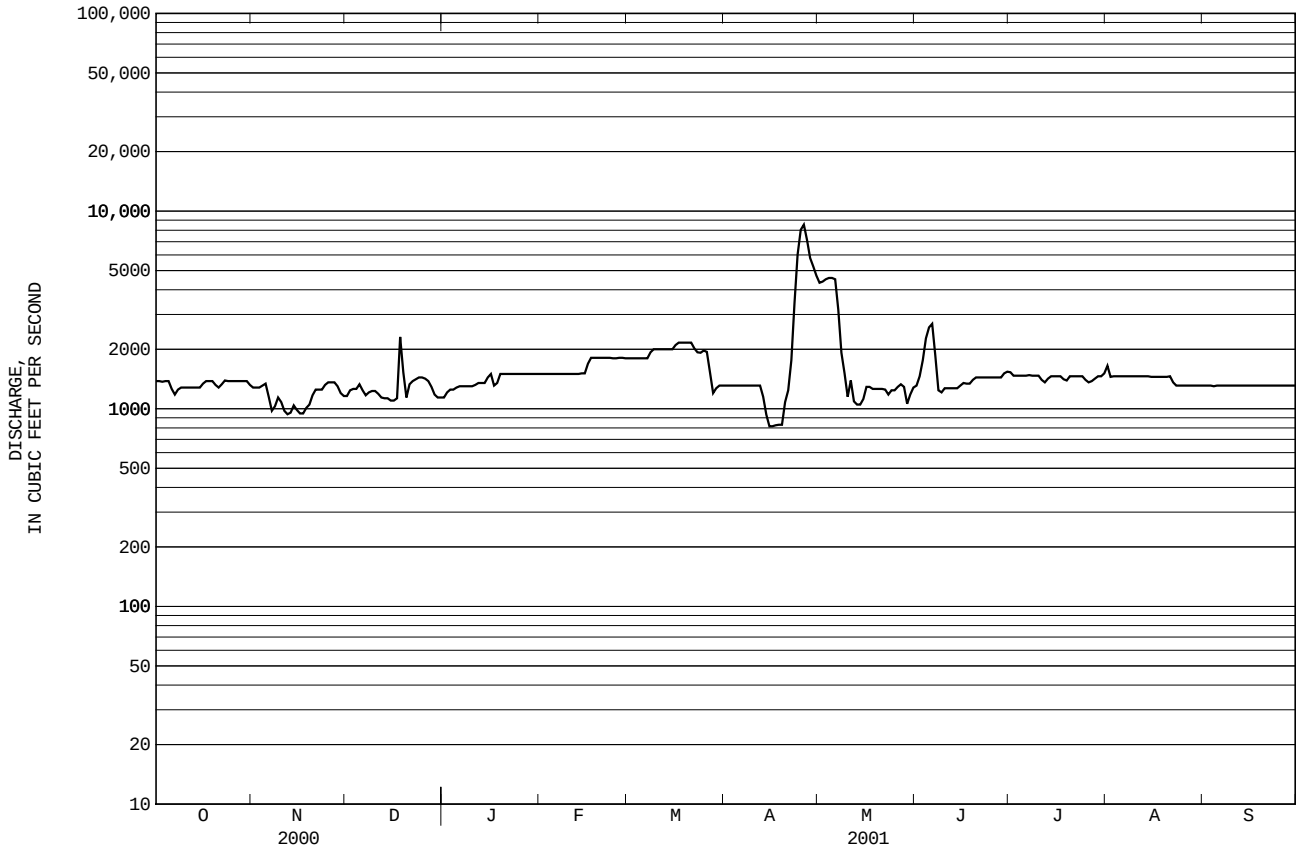
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1380	1280	1160	1140	1500	1800	1310	4340	1310	1530	1650	1310
2	1380	1280	1240	1210	1500	1800	1310	4400	1460	1470	1450	1310
3	1370	1280	1260	1250	1500	1800	1310	4520	1760	1470	1460	1310
4	1380	1310	1260	1250	1500	1800	1310	4590	2270	1470	1460	1300
5	1380	1340	1330	1280	1500	1800	1310	4590	2580	1470	1460	1310
6	1260	1150	1240	1300	1500	1800	1310	4520	2690	1470	1460	1310
7	1180	977	1170	1300	1500	1800	1310	3170	1860	1480	1460	1310
8	1250	1030	1210	1300	1500	1930	1310	1920	1240	1470	1460	1310
9	1280	1140	1230	1300	1500	2000	1310	1510	1210	1470	1460	1310
10	1280	1080	1230	1300	1500	2000	1310	1150	1270	1470	1460	1310
11	1280	976	1190	1320	1500	2000	1310	1390	1270	1400	1460	1310
12	1280	938	1140	1350	1500	2000	1310	1090	1270	1360	1460	1310
13	1280	956	1130	1350	1500	2000	1150	1050	1270	1420	1460	1310
14	1280	1040	1130	1350	1510	2000	934	1050	1270	1460	1460	1310
15	1280	986	1100	1440	1510	2000	815	1120	1310	1460	1450	1310
16	1340	947	1100	1500	1690	2100	816	1290	1350	1460	1450	1310
17	1380	947	1130	1310	1810	2160	825	1290	1340	1460	1450	1310
18	1380	1010	2310	1350	1810	2160	830	1260	1340	1410	1450	1310
19	1380	1050	1530	1500	1810	2160	830	1260	1400	1390	1450	1310
20	1320	1170	1140	1500	1810	2160	1080	1260	1440	1460	1450	1310
21	1280	1250	1330	1500	1810	2160	1240	1260	1440	1460	1460	1310
22	1330	1250	1380	1500	1810	2020	1760	1250	1440	1460	1360	1310
23	1390	1250	1410	1500	1810	1930	3410	1180	1440	1460	1310	1310
24	1380	1320	1440	1500	1800	1920	6020	1240	1440	1460	1310	1310
25	1380	1360	1440	1500	1800	1970	8040	1240	1440	1400	1310	1310
26	1380	1360	1420	1500	1810	1940	8540	1290	1440	1360	1310	1310
27	1380	1360	1380	1500	1810	1530	7160	1330	1440	1380	1310	1310
28	1380	1300	1290	1500	1800	1200	5790	1290	1440	1420	1310	1310
29	1380	1200	1180	1500	---	1270	5250	1060	1510	1460	1310	1310
30	1380	1160	1140	1500	---	1310	4720	1180	1540	1460	1310	1310
31	1320	---	1140	1500	---	1310	---	1280	---	1510	1310	---
TOTAL	41320	34697	39780	43100	45900	57830	74930	60370	45480	44880	43930	39290
MEAN	1333	1157	1283	1390	1639	1865	2498	1947	1516	1448	1417	1310
MAX	1390	1360	2310	1500	1810	2160	8540	4590	2690	1530	1650	1310
MIN	1180	938	1100	1140	1500	1200	815	1050	1210	1360	1310	1300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2001, BY WATER YEAR (WY)

MEAN	1587	1548	1701	1791	1858	1861	2161	3098	2256	1779	1682	1686
MAX	3949	3745	4722	3589	3644	5454	4736	8192	7129	4621	2265	4738
(WY)	1955	1908	1974	1970	1996	1936	1913	1974	1917	1996	1990	1954
MIN	921	759	844	760	718	592	770	1027	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1905 - 2001	
ANNUAL TOTAL	834837		571507			
ANNUAL MEAN	2281		1566		1916	
HIGHEST ANNUAL MEAN					3117	1996
LOWEST ANNUAL MEAN					1046	1911
HIGHEST DAILY MEAN	15000	May 12	8540	Apr 26	16100	May 22 1969
LOWEST DAILY MEAN	938	Nov 12	815	Apr 15	.00	Oct 31 1917
ANNUAL SEVEN-DAY MINIMUM	970	Nov 11	876	Apr 14	152	Mar 21 1948
MAXIMUM PEAK FLOW			9000	Apr 25	16500	May 22 1969
MAXIMUM PEAK STAGE			6.99	Apr 25	9.40	May 22 1969
10 PERCENT EXCEEDS	3950		1930		2630	
50 PERCENT EXCEEDS	1480		1360		1700	
90 PERCENT EXCEEDS	1230		1150		1140	



01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH

LOCATION.--Lat 44°26'10", long 71°11'27", 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.--October 1913 to current year. October 1922 to September 1928, monthly discharge only, published in WSP 1301. Discharges for Dec. 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 gage-height 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, 17,400 ft^3/s, Apr. 25, gage height, 9.47 ft; minimum daily discharge, 1,300 ft^3/s, Dec. 16.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

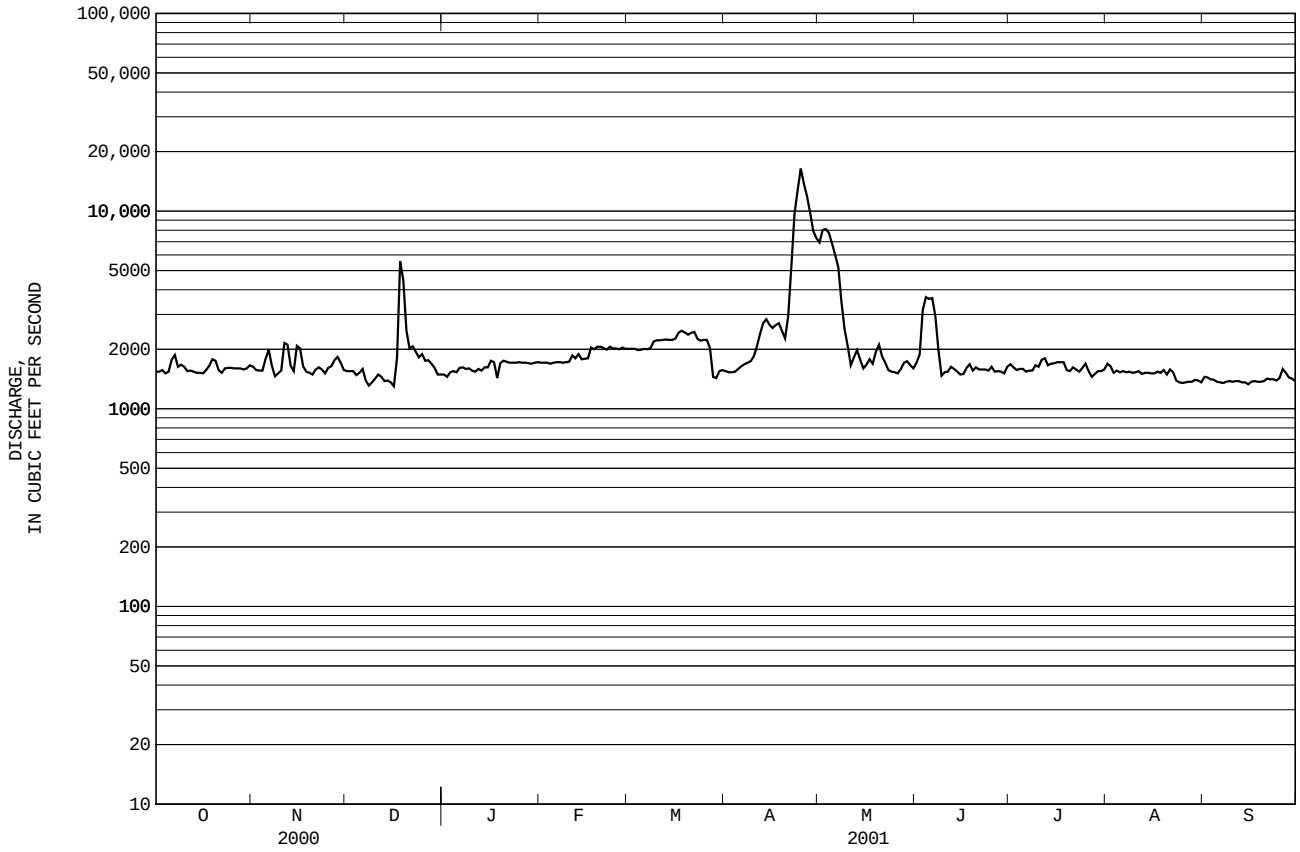
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1540	1630	1550	1490	1710	2010	1550	6940	1710	1680	1690	1450
2	1540	1570	1550	1450	1710	2010	1530	8020	1880	1620	1640	1440
3	1570	1560	1550	1530	1710	2010	1530	8110	3170	1570	1520	1410
4	1510	1560	1480	1550	1690	1980	1540	7750	3670	1590	1560	1400
5	1540	1790	1520	1530	1710	1990	1590	6860	3600	1590	1530	1370
6	1770	1990	1590	1610	1720	2010	1640	6000	3630	1540	1550	1360
7	1870	1650	1390	1620	1720	2000	1680	5210	2960	1560	1530	1350
8	1630	1460	1310	1590	1710	2030	1710	3490	1980	1560	1540	1370
9	1670	1510	1360	1600	1720	2190	1740	2530	1470	1660	1520	1380
10	1630	1560	1420	1560	1730	2220	1840	2080	1530	1630	1530	1370
11	1550	2150	1490	1540	1860	2220	2070	1660	1540	1770	1550	1380
12	1560	2110	1450	1590	1800	2230	2390	1820	1630	1800	1500	1380
13	1540	1650	1380	1560	1890	2240	2710	1980	1590	1660	1520	1360
14	1520	1550	1390	1620	1780	2230	2840	1770	1540	1690	1520	1360
15	1520	2080	1360	1620	1790	2230	2660	1600	1490	1700	1510	1330
16	1510	2020	1300	1750	1800	2270	2560	1670	1500	1720	1510	1370
17	1570	1640	1810	1720	2040	2430	2650	1780	1610	1720	1540	1380
18	1650	1540	5570	1430	2000	2480	2710	1690	1680	1720	1520	1370
19	1780	1520	4470	1700	2060	2430	2480	1940	1560	1570	1570	1370
20	1750	1490	2490	1750	2060	2370	2270	2110	1620	1550	1490	1380
21	1570	1580	2020	1730	2030	2420	2950	1840	1580	1620	1580	1420
22	1520	1620	2070	1710	1990	2450	5250	1710	1580	1580	1530	1410
23	1600	1580	1940	1710	2060	2260	9650	1570	1580	1540	1390	1410
24	1610	1510	1820	1710	2020	2210	12700	1540	1560	1610	1360	1390
25	1610	1610	1890	1720	2020	2230	16400	1530	1630	1690	1350	1430
26	1600	1640	1750	1710	2000	2230	13800	1510	1540	1550	1360	1590
27	1600	1760	1760	1710	2040	2030	11900	1590	1550	1450	1370	1520
28	1600	1830	1690	1700	2010	1450	9830	1710	1540	1500	1370	1440
29	1580	1710	1610	1690	---	1430	7930	1740	1510	1550	1400	1420
30	1600	1570	1490	1710	---	1550	7300	1660	1630	1550	1390	1380
31	1660	---	1490	1720	---	1570	---	1600	---	1580	1360	---
TOTAL	49770	50440	56960	50630	52380	65410	139400	93010	57060	50120	46300	41990
MEAN	1605	1681	1837	1633	1871	2110	4647	3000	1902	1617	1494	1400
MAX	1870	2150	5570	1750	2060	2480	16400	8110	3670	1800	1690	1590
MIN	1510	1460	1300	1430	1690	1430	1530	1510	1470	1450	1350	1330

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2001, BY WATER YEAR (WY)

MEAN	2052	2103	2143	2150	2169	2508	3951	4277	2783	2084	1929	1977
MAX	4894	4292	5811	4044	4294	7684	6474	10050	10560	5840	2792	6387
(WY)	1955	1991	1974	1970	1996	1936	1976	1937	1917	1996	1990	1954
MIN	1374	1413	1257	1276	1299	1376	1755	1746	1545	1524	1462	1330
(WY)	1942	1922	1953	1953	1922	1922	1965	1941	1915	1980	1995	1995

01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1914 - 2001	
ANNUAL TOTAL	1055380		753470			
ANNUAL MEAN	2884		2064		2515	
HIGHEST ANNUAL MEAN					4147	1996
LOWEST ANNUAL MEAN					1689	1965
HIGHEST DAILY MEAN	16200	May 12	16400	Apr 25	20000	Jun 18 1917
LOWEST DAILY MEAN	1300	Dec 16	1300	Dec 16	795	Mar 15 1948
ANNUAL SEVEN-DAY MINIMUM	1400	Dec 10	1360	Sep 13	866	Mar 10 1948
MAXIMUM PEAK FLOW			17400	Apr 25	21900	Apr 30 1923
MAXIMUM PEAK STAGE			9.47	Apr 25		
10 PERCENT EXCEEDS	5210		2440		3730	
50 PERCENT EXCEEDS	1870		1620		2010	
90 PERCENT EXCEEDS	1510		1410		1600	



01054200 WILD RIVER AT GILEAD, ME

(Hydrologic bench-mark station)

LOCATION.--Lat 44°23'27", long 70°58'47", Oxford County, Hydrologic Unit 01040002, on right bank 200 ft upstream from highway bridge on U.S. Route 2, 2,000 ft upstream from mouth, and 0.4 mi west of Gilead.

DRAINAGE AREA.--69.6 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1964 to current year.

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. 23-30, Dec. 2-16, and Dec. 21 to Apr. 13, which are fair. Satellite gage-height 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, 6.8 ft^3/s, Aug. 3, 4, 1991, Sept. 3-5 and 7-9, 1995.

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)
Dec 17	2200	*8,060	*9.58	Apr 24	1830	4,020	7.45

Minimum discharge, 7.4 ft^3/s, Sept. 19-20, gage height, 2.61 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	83	97	e134	e49	e35	e61	1230	78	35	14	15
2	21	70	e68	e127	e48	e34	e52	1330	284	35	13	19
3	20	84	e59	e123	e47	e33	e48	1340	768	28	12	12
4	20	80	e56	e116	e46	e32	e47	1140	405	27	11	11
5	21	156	e53	e111	e46	e31	e68	677	218	36	12	16
6	128	168	e49	e110	e44	e30	e114	405	151	37	13	15
7	98	110	e42	e109	e44	e30	e146	310	119	27	12	11
8	67	125	e37	e105	e43	e30	e150	293	99	29	11	9.6
9	56	107	e32	e102	e44	e30	e157	294	84	34	11	9.0
10	44	111	e31	e99	e52	e29	e246	296	76	54	11	9.2
11	38	515	e35	e94	e90	e29	e380	273	70	51	9.9	12
12	34	245	e48	e90	e66	e30	e483	268	100	94	9.4	10
13	32	146	e59	e86	e59	e30	e675	275	89	45	9.1	9.0
14	31	126	e58	e82	e56	e30	683	177	69	36	10	8.4
15	29	403	e58	e81	e53	e30	352	148	60	34	9.6	8.2
16	29	191	e67	e81	e49	e31	324	154	52	31	9.0	8.0
17	31	138	2140	e79	e47	e31	330	148	67	33	9.0	7.8
18	39	112	1960	e71	e45	e33	313	131	84	35	9.9	7.8
19	137	92	403	e68	e43	e34	229	139	54	30	10	7.7
20	76	84	258	e66	e42	e40	250	127	45	26	9.5	8.2
21	53	78	e176	e63	e41	e52	455	112	39	23	16	68
22	43	73	e158	e61	e40	e67	1680	104	37	21	27	77
23	39	e52	e149	e58	e38	e75	2020	98	39	20	16	33
24	36	e43	e142	e56	e37	e67	2650	90	59	19	12	20
25	35	e39	e138	e54	e36	e62	1470	80	53	18	10	295
26	34	e40	e138	e54	e38	e55	768	74	39	17	9.2	273
27	33	e106	e138	e52	e37	e51	720	74	34	17	9.7	70
28	31	e130	e134	e51	e35	e46	697	109	28	16	10	73
29	29	e121	e129	e48	---	e43	502	202	26	15	11	74
30	33	e111	e128	e46	---	e46	557	110	29	14	9.6	42
31	84	---	e135	e50	---	e63	---	88	---	14	9.0	---
TOTAL	1422	3939	7175	2527	1315	1259	16627	10296	3355	951	354.9	1238.9
MEAN	45.9	131	231	81.5	47.0	40.6	554	332	112	30.7	11.4	41.3
MAX	137	515	2140	134	90	75	2650	1340	768	94	27	295
MIN	20	39	31	46	35	29	47	74	26	14	9.0	7.7
CFSM	.66	1.89	3.33	1.17	.67	.58	7.96	4.77	1.61	.44	.16	.59
IN.	.76	2.11	3.83	1.35	.70	.67	8.89	5.50	1.79	.51	.19	.66

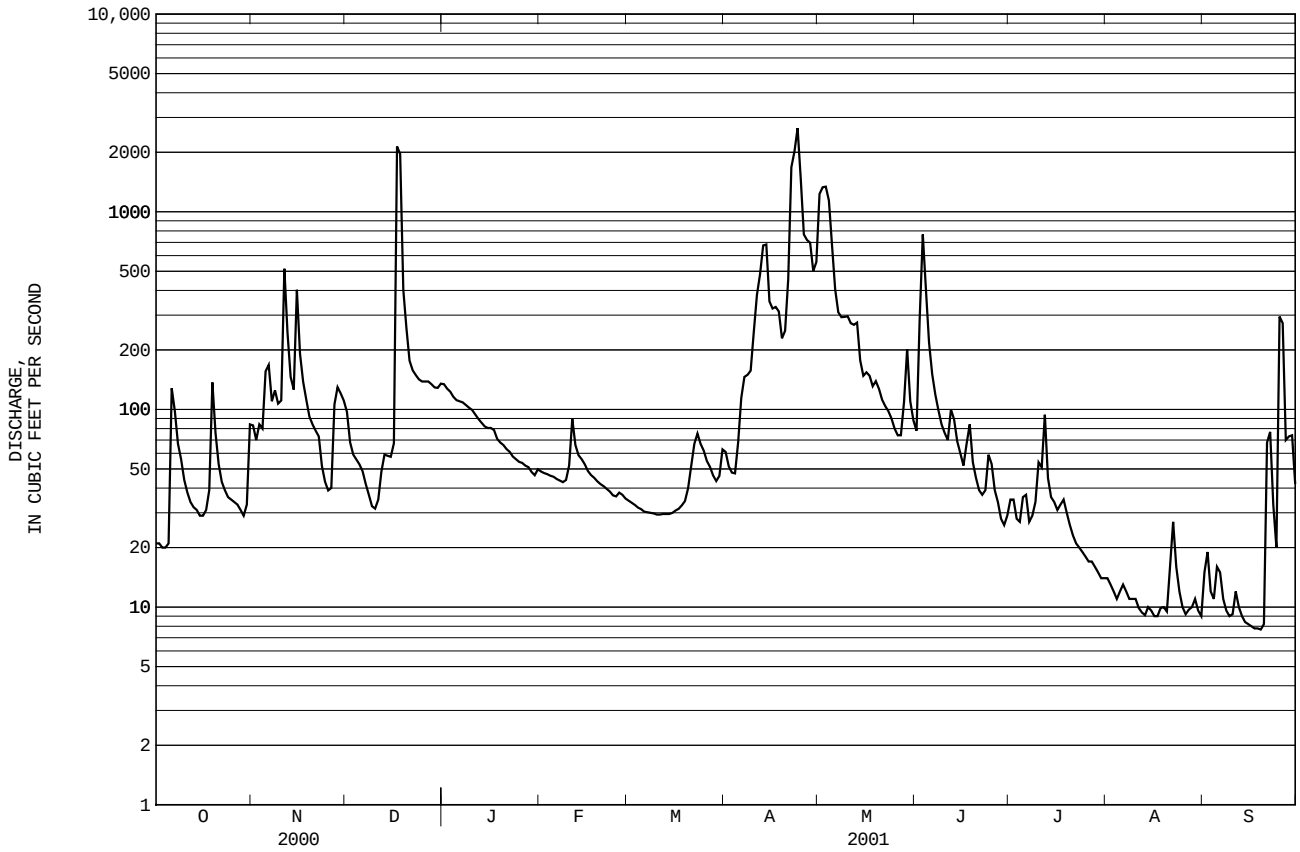
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	144	209	145	116	106	233	520	401	152	76.5	62.1	62.5
MAX	442	587	604	483	579	558	900	1028	785	353	239	438
(WY)	1978	1970	1974	1986	1981	1979	1984	1969	1998	1996	1990	1999
MIN	17.4	32.0	21.5	18.2	19.9	25.4	164	158	49.9	16.1	11.4	11.1
(WY)	1965	1979	1979	1981	1980	1967	1995	1993	1970	1991	2001	1995

e Estimated

01054200 WILD RIVER AT GILEAD, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1964 - 2001	
ANNUAL TOTAL	64061		50459.8			
ANNUAL MEAN	175		138		186	
HIGHEST ANNUAL MEAN					294	1996
LOWEST ANNUAL MEAN					72.9	1965
HIGHEST DAILY MEAN	3920	Apr 9	2650	Apr 24	7510	Jun 14 1998
LOWEST DAILY MEAN	18	Sep 11	7.7	Sep 19	6.8	Sep 4 1995
ANNUAL SEVEN-DAY MINIMUM	19	Sep 8	8.0	Sep 14	7.2	Sep 2 1995
MAXIMUM PEAK FLOW			8060	Dec 17	24500	Oct 22 1995
MAXIMUM PEAK STAGE			9.58	Dec 17	14.84	Oct 22 1995
INSTANTANEOUS LOW FLOW			7.4	Sep 19	6.8	Aug 3 1991
ANNUAL RUNOFF (CFSM)	2.51		1.99		2.67	
ANNUAL RUNOFF (INCHES)	34.24		26.97		36.31	
10 PERCENT EXCEEDS	354		288		409	
50 PERCENT EXCEEDS	70		52		76	
90 PERCENT EXCEEDS	26		12		21	



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 2000 TO SEPTEMBER 2001

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	TEMPER-ATURE AIR (DEG C) (00020)	TEMPER-ATURE WATER (DEG C) (00010)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG													
09...	1150	11	22	7.1	8.2	31.0	22.2	737	7.9	94	6	1.39	.497

DATE	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)
AUG								
09...	1.6	.61	3.6	.5	.1	6.7	<.01	<.40

Surface-water gaging station

Kennebec River at The Forks,Maine

Station Number 01042500

100 Years of record, September 2001

01054300 ELLIS RIVER AT SOUTH ANDOVER, ME

LOCATION.--Lat 44°35'37", long 70°44'01", 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.--February 1963 to September 1982. October 2000 to September 2001.

REVISED RECORDS.--WRD 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 period of ice effect, Dec. 20 to Apr. 7, and period of doubtful gage height record, Jun. 14-18, which are fair. Satillite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,630 ft^3/s, Dec. 29, 1969, gage height, 19.23 ft; minimum discharge, 9.0 ft^3/s, Sept. 19-20, 2001.

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)
Dec 18	0700	3,360	16.14	Apr 25	0230	*3,710	*16.54

Minimum discharge, 9.0 ft^3/s, Sept. 19-20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	106	124	e145	e55	e51	e75	951	155	36	26	17
2	---	93	106	e136	e55	e51	e73	1310	191	35	24	18
3	---	87	113	e128	e54	e50	e73	1310	766	33	22	18
4	---	81	112	e120	e54	e49	e74	1080	828	30	21	15
5	---	105	96	e114	e54	e49	e94	760	581	31	20	14
6	---	189	81	e111	e54	e54	e129	550	436	30	18	13
7	---	142	76	e111	e53	e56	e146	449	349	27	18	12
8	---	117	72	e103	e54	e55	188	399	277	26	16	11
9	---	106	69	e99	e53	e54	179	365	222	29	16	11
10	---	102	67	e95	e57	e56	252	334	183	125	16	11
11	---	202	69	e91	e67	e55	403	300	158	254	16	11
12	---	217	81	e85	e66	e53	529	270	145	289	16	10
13	---	160	100	e82	e60	e53	727	292	140	171	16	10
14	---	137	108	e78	e58	e57	766	246	e118	121	15	10
15	---	335	107	e76	e57	e59	678	207	e102	116	14	9.8
16	---	304	102	e78	e55	e58	689	189	e86	97	14	9.8
17	---	218	200	e79	e53	e57	765	178	e127	84	13	9.5
18	---	183	2340	e73	e53	e58	782	162	e139	89	14	9.4
19	---	155	1240	e68	e52	e57	605	318	92	74	13	9.2
20	---	138	e627	e66	e51	e69	574	415	76	61	13	9.1
21	---	125	e381	e62	e50	e79	751	294	66	50	15	15
22	---	113	e279	e60	e49	e92	1420	228	59	43	19	31
23	---	98	e219	e58	e48	e90	2710	190	56	37	19	29
24	---	92	e180	e59	e48	e85	2730	161	86	35	16	22
25	---	93	e167	e60	e50	e83	2810	137	85	101	14	22
26	54	84	e148	e59	e55	e79	1640	118	67	72	13	123
27	52	103	e147	e58	e56	e76	1320	113	56	48	13	72
28	51	156	e142	e57	e53	e76	1160	180	48	37	12	40
29	48	140	e137	e57	---	e76	918	301	41	32	14	31
30	47	135	e136	e56	---	e76	799	240	37	29	14	26
31	85	---	e145	e56	---	e74	---	187	---	27	13	---
TOTAL	337	4316	7971	2580	1524	1987	24059	12234	5772	2269	503	648.8
MEAN	56.2	144	257	83.2	54.4	64.1	802	395	192	73.2	16.2	21.6
MAX	85	335	2340	145	67	92	2810	1310	828	289	26	123
MIN	47	81	67	56	48	49	73	113	37	26	12	9.1
CFSM	.43	1.11	1.98	.64	.42	.49	6.17	3.04	1.48	.56	.12	.17
IN.	.10	1.24	2.28	.74	.44	.57	6.88	3.50	1.65	.65	.14	.19

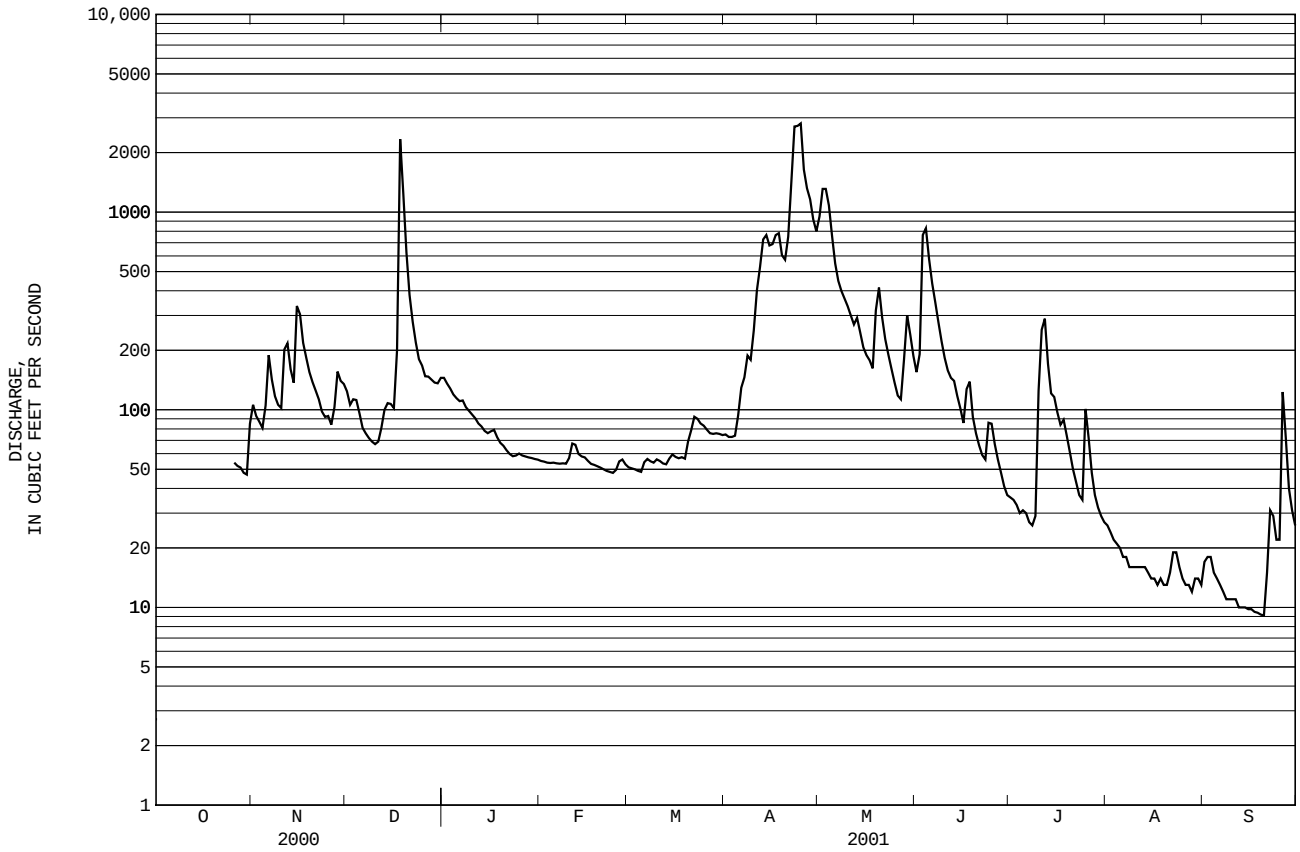
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2001, BY WATER YEAR (WY)

MEAN	159	246	234	133	151	243	759	565	201	114	75.4	69.4
MAX	653	703	876	464	620	579	1206	1190	437	467	279	283
(WY)	1978	1970	1974	1978	1981	1979	1969	1969	1968	1973	1976	1981
MIN	30.8	33.8	34.1	53.6	31.1	30.6	369	224	60.1	33.0	16.2	18.4
(WY)	1964	1979	1979	1981	1980	1967	1981	1977	1964	1965	2001	1978

e Estimated

01054300 ELLIS RIVER AT SOUTH ANDOVER, ME--Continued

SUMMARY STATISTICS	FOR 2001 WATER YEAR		WATER YEARS 1963 - 2001	
ANNUAL MEAN			249	
HIGHEST ANNUAL MEAN			340	1978
LOWEST ANNUAL MEAN			132	1965
HIGHEST DAILY MEAN	2810	Apr 25	4500	Apr 25 1968
LOWEST DAILY MEAN	9.1	Sep 20	9.1	Sep 20 2001
ANNUAL SEVEN-DAY MINIMUM	9.5	Sep 14	9.5	Sep 14 2001
MAXIMUM PEAK FLOW	3710	Apr 25	5630	Dec 29 1969
MAXIMUM PEAK STAGE	16.54	Apr 25	19.23	Dec 29 1969
INSTANTANEOUS LOW FLOW	9.0	Sep 19	9.0	Sep 19 2001
ANNUAL RUNOFF (CFSM)			1.92	
ANNUAL RUNOFF (INCHES)			26.07	
10 PERCENT EXCEEDS	414		602	
50 PERCENT EXCEEDS	76		115	
90 PERCENT EXCEEDS	16		32	



01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME

LOCATION.--Lat 44°33'04", long 70°32'38", Oxford County, Hydrologic Unit 01040002, on right bank below lower power plant of Rumford Falls Power Co. in Rumford and 1,000 ft upstream from Swift River.

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

PERIOD OF RECORD.--Discharge: May 1892 to current year. Fragmentary record only May 1892 to October 1895, published in WSP27. 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.--Records good, except for periods of doubtful gage-height record, Nov. 23-25, Dec. 2-3, and 12-14, which are fair. 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 35 mi upstream. Satellite gage-height telemeter at station. Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located at the end of the 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; minimum daily discharge, 625 ft^3/s, Mar. 27, 1911.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33,100 ft^3/s, Dec. 18, gage height, 14.05 ft; minimum daily discharge, 1,360 ft^3/s, Sept. 7.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1770	2430	2500	2410	2190	2430	2210	12700	2650	2100	1870	1600
2	1780	2250	e2270	2280	2160	2410	2170	15800	2870	2140	1950	1670
3	1780	2180	e1990	2210	2200	2450	2170	16700	7090	1910	1830	1680
4	1780	2170	2020	2300	2140	2410	2110	16000	9020	1970	1710	1560
5	1740	2370	2010	2310	2120	2430	2330	13300	7230	2070	1820	1600
6	2220	3730	2020	2290	2090	2430	2700	10300	6080	2020	1720	1540
7	2940	2870	1790	2310	2110	2430	2770	8820	5410	1910	1780	1360
8	2450	2240	1450	2350	2220	2440	2930	7560	4310	1910	1640	1650
9	2200	2240	1420	2360	2180	2470	2940	5910	3140	2050	1750	1500
10	2190	2360	1440	2300	2210	2650	3360	5130	2450	2400	1690	1540
11	2040	3800	1900	2140	2260	2640	4340	4390	2490	2710	1730	1550
12	1920	4990	e2080	2130	2320	2620	5500	3740	2430	3080	1730	1490
13	1920	3310	e1940	2140	2380	2670	7630	4090	2590	2590	1700	1520
14	1970	2710	e1820	2200	2470	2620	8550	3850	2590	2330	1630	1500
15	1840	3930	1740	2250	2470	2690	7700	3210	2150	2320	1660	1470
16	1830	4420	1820	2190	2260	2710	7220	2970	1890	2310	1700	1440
17	1840	3210	2850	2340	2110	2790	7230	3100	2040	2310	1660	1460
18	2010	2730	21800	2290	2380	2980	7490	3090	2500	2270	1740	1380
19	2510	2480	12500	2010	2440	3060	6410	3130	2350	2200	1730	1650
20	2610	2370	7520	2190	2530	3050	5770	3890	2190	1980	1780	1530
21	2240	2260	4140	2310	2580	3120	6770	3470	2120	1920	1690	1720
22	2020	2340	3500	2210	2410	3310	12100	3030	2050	1970	1900	1640
23	1910	e2260	3260	2200	2480	3220	23200	2850	2110	1870	1690	1800
24	2050	e1830	2860	2240	2520	2940	26000	2590	2380	1900	1570	1620
25	1960	e1900	2970	2270	2460	2930	30000	2490	2430	2050	1520	1700
26	1990	1880	2260	2220	2450	2880	25300	2360	2250	2000	1490	3140
27	1980	2550	2260	2200	2450	2890	20300	2400	2090	1840	1520	2320
28	1970	3160	2390	2260	2510	2630	17400	2760	1980	1690	1520	1920
29	1940	3050	2600	2180	---	2050	14200	3530	1950	1750	1600	1830
30	1930	2650	2610	2140	---	2140	12000	3270	1920	1840	1550	1830
31	2260	---	2440	2160	---	2160	---	2740	---	1770	1570	---
TOTAL	63590	82670	106170	69390	65100	82650	280800	179170	94750	65180	52440	50210
MEAN	2051	2756	3425	2238	2325	2666	9360	5780	3158	2103	1692	1674
MAX	2940	4990	21800	2410	2580	3310	30000	16700	9020	3080	1950	3140
MIN	1740	1830	1420	2010	2090	2050	2110	2360	1890	1690	1490	1360

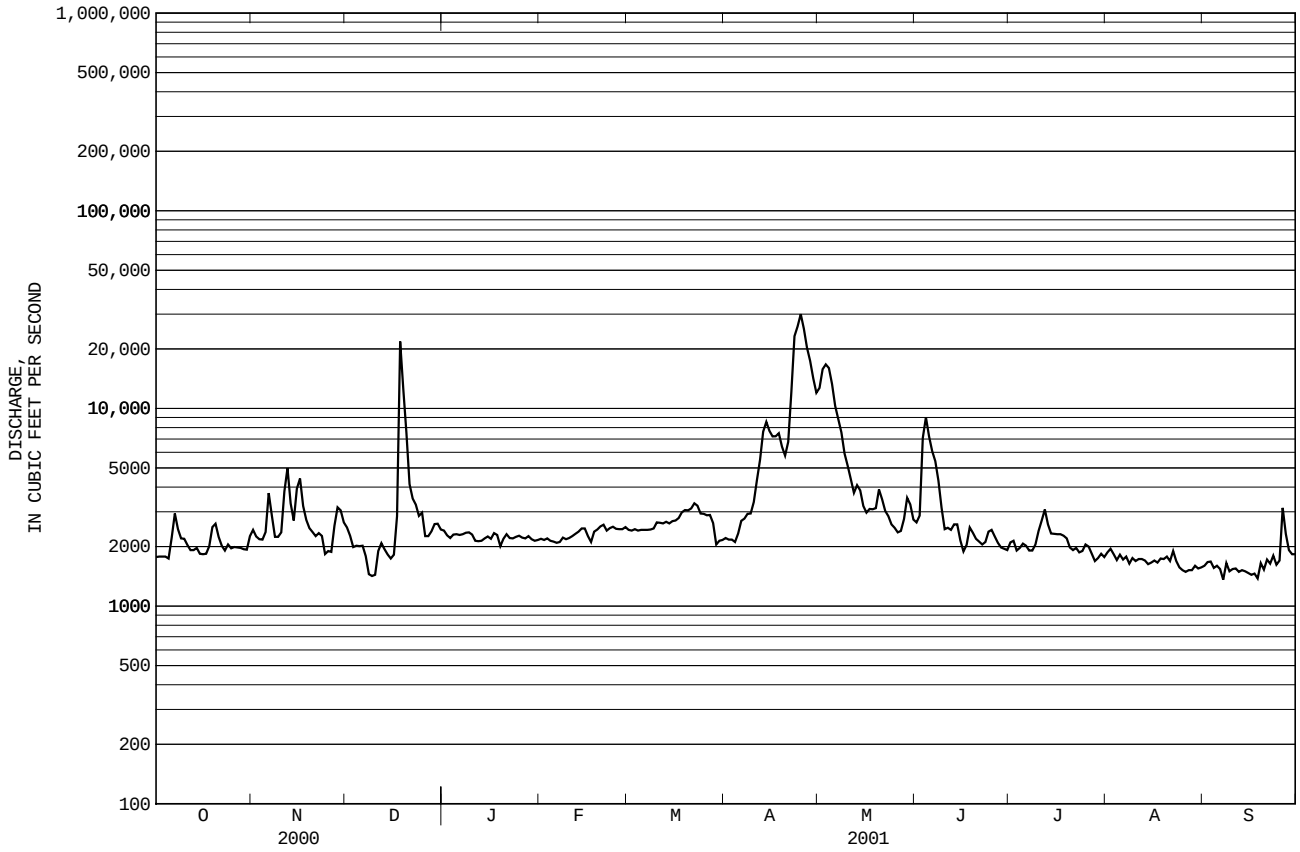
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 2001, BY WATER YEAR (WY)

MEAN	2834	3412	3050	2776	2701	3998	8154	7327	3960	2628	2324	2403
MAX	7423	8635	10570	6885	7192	17420	14900	16650	12210	8906	4518	9296
(WY)	1978	1996	1974	1996	1981	1936	1901	1969	1917	1996	1990	1954
MIN	1448	1511	1121	1353	951	789	3177	2550	1795	1384	1451	1307
(WY)	1911	1909	1909	1909	1911	1911	1995	1941	1911	1911	1911	1995

e Estimated

01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1900 - 2001	
ANNUAL TOTAL	1646350		1192120			
ANNUAL MEAN	4498		3266		3798	
HIGHEST ANNUAL MEAN					6696	1996
LOWEST ANNUAL MEAN					2001	1911
HIGHEST DAILY MEAN	31700	Apr 10	30000	Apr 25	68300	Mar 19 1936
LOWEST DAILY MEAN	1420	Dec 9	1360	Sep 7	625	Mar 27 1911
ANNUAL SEVEN-DAY MINIMUM	1720	Dec 7	1470	Sep 12	645	Mar 21 1911
MAXIMUM PEAK FLOW			33100	Dec 18	74000	Mar 20 1936
MAXIMUM PEAK STAGE			14.05	Dec 18		
10 PERCENT EXCEEDS	8990		5240		7230	
50 PERCENT EXCEEDS	2980		2260		2620	
90 PERCENT EXCEEDS	1860		1680		1790	



01055000 SWIFT RIVER NEAR ROXBURY, ME

LOCATION.--Lat 44°38'32", long 70°35'17", 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. 4-15 and Dec. 25 to Apr. 13, which are fair. Satellite gage-height 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, 3.8 ft^3/s, Sept. 16-17, 1948.

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)
Dec 18	0045	*6,640	*8.40	Apr 24	2045	4,510	7.13

Minimum discharge, 4.1 ft^3/s, Sept. 19-20, gage height, 0.77 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	132	95	e103	e47	e42	e52	1220	125	28	24	18
2	22	122	83	e97	e47	e42	e51	1690	316	34	20	23
3	22	122	73	e91	e47	e41	e50	1590	1180	30	16	15
4	21	102	e69	e87	e46	e41	e52	1220	708	26	14	12
5	22	176	e66	e84	e47	e40	e77	758	419	39	13	10
6	149	192	e63	e80	e47	e40	e108	457	272	34	12	9.0
7	123	127	e58	e91	e52	e41	e100	331	195	26	11	7.9
8	77	109	e50	e89	e49	e41	e106	297	146	25	11	7.4
9	76	103	e43	e87	e49	e41	e99	283	118	44	11	6.7
10	60	104	e39	e85	e54	e42	e209	262	100	272	15	6.1
11	55	213	e41	e83	e70	e42	e329	233	88	284	17	6.5
12	56	170	e57	e82	e64	e39	e441	213	95	240	14	6.2
13	52	121	e77	e80	e62	e39	e554	302	97	118	11	5.8
14	46	112	e69	e78	e58	e40	532	185	76	82	11	5.6
15	41	527	e66	e76	e55	e39	381	147	64	90	9.7	5.4
16	38	252	68	e75	e52	e39	409	168	55	78	8.6	5.2
17	36	174	1130	e72	e50	e41	486	157	108	71	8.6	5.0
18	53	142	2550	e65	e49	e44	450	134	119	67	10	4.8
19	197	115	540	e63	e47	e46	295	475	66	54	11	4.6
20	99	107	317	e62	e47	e54	324	337	52	43	10	4.5
21	71	100	202	e60	e47	e66	615	194	44	36	12	34
22	58	93	181	e57	e43	e68	1620	148	41	30	23	67
23	51	78	161	e54	e43	e64	2460	126	43	27	19	44
24	48	74	122	e53	e43	e60	2790	108	110	27	13	27
25	46	81	e120	e53	e42	e57	2060	93	83	75	10	37
26	44	78	e113	e51	e45	e56	1070	83	51	48	8.6	188
27	43	126	e114	e51	e45	e53	973	122	40	33	8.2	64
28	42	156	e109	e50	e42	e51	905	285	33	26	9.3	39
29	41	120	e103	e47	---	e49	671	450	28	23	12	29
30	51	106	e103	e46	---	e50	661	210	28	21	10	23
31	204	---	e107	e47	---	e52	---	151	---	19	8.9	---
TOTAL	1967	4234	6989	2199	1389	1460	18930	12429	4900	2050	391.9	720.7
MEAN	63.5	141	225	70.9	49.6	47.1	631	401	163	66.1	12.6	24.0
MAX	204	527	2550	103	70	68	2790	1690	1180	284	24	188
MIN	21	74	39	46	42	39	50	83	28	19	8.2	4.5
CFSM	.65	1.46	2.33	.73	.51	.49	6.51	4.14	1.69	.68	.13	.25
IN.	.76	1.63	2.68	.84	.53	.56	7.27	4.77	1.88	.79	.15	.28

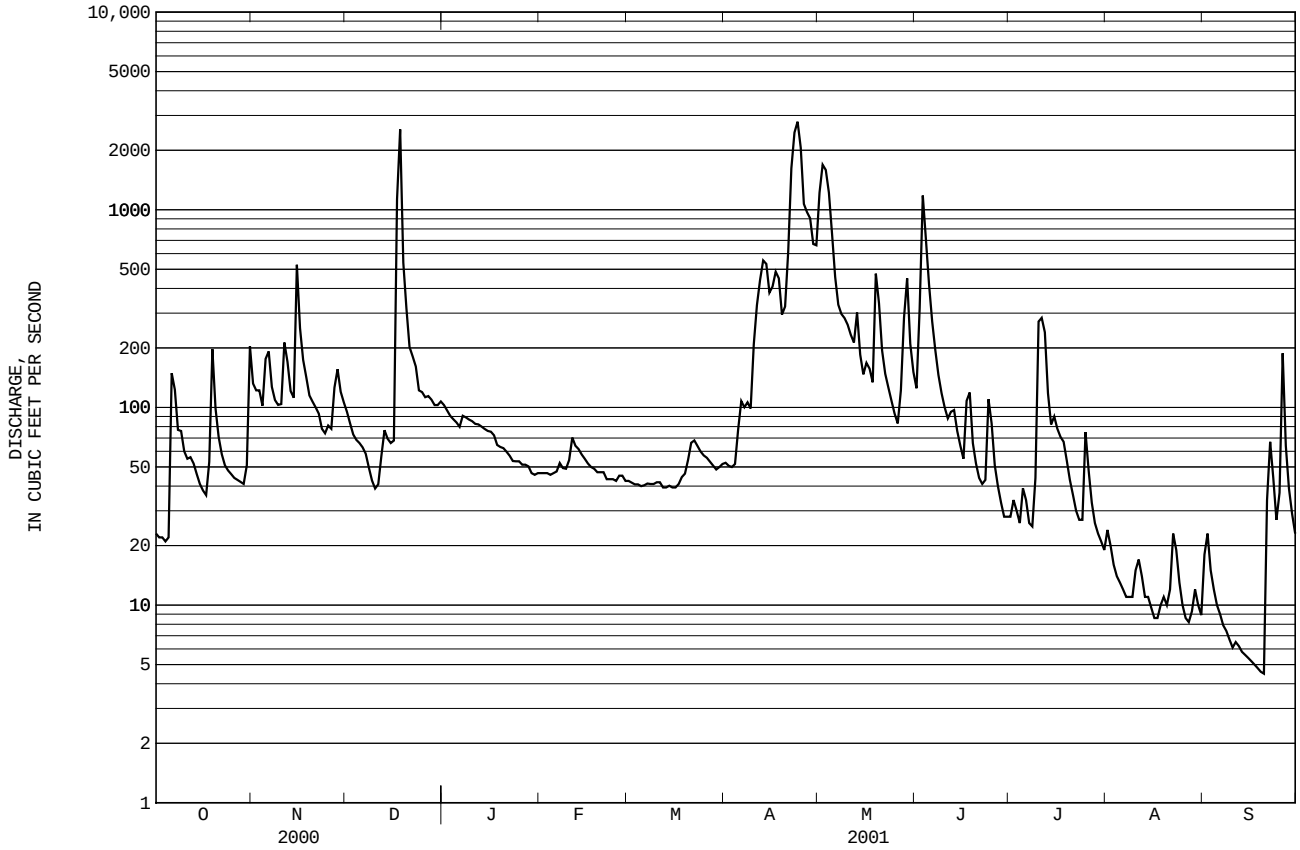
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

MEAN	144	212	154	112	93.8	205	623	487	177	86.0	60.0	73.7
MAX	545	644	758	676	463	1315	1141	1032	792	483	277	497
(WY)	1978	1964	1974	1996	1970	1936	1951	1972	1998	1996	1991	1954
MIN	14.9	28.5	15.7	17.8	17.3	20.8	255	111	42.4	18.1	12.6	6.10
(WY)	1948	1979	1930	1948	1980	1967	1995	1941	1941	1952	2001	1948

e Estimated

01055000 SWIFT RIVER NEAR ROXBURY, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	76300		57659.6			
ANNUAL MEAN	208		158		202	
HIGHEST ANNUAL MEAN					366	1996
LOWEST ANNUAL MEAN					103	1941
HIGHEST DAILY MEAN	4160	Apr 9	2790	Apr 24	9120	Apr 1 1987
LOWEST DAILY MEAN	21	Oct 4	4.5	Sep 20	3.8	Sep 16 1948
ANNUAL SEVEN-DAY MINIMUM	23	Sep 29	5.0	Sep 14	4.3	Sep 11 1948
MAXIMUM PEAK FLOW			6640	Dec 18	16800	Oct 24 1959
MAXIMUM PEAK STAGE			8.40	Dec 18	12.87	Oct 24 1959
INSTANTANEOUS LOW FLOW			4.1	Sep 19	3.8	Oct 16 1948
ANNUAL RUNOFF (CFSM)	2.15		1.63		2.09	
ANNUAL RUNOFF (INCHES)	29.29		22.14		28.38	
10 PERCENT EXCEEDS	473		320		490	
50 PERCENT EXCEEDS	86		58		83	
90 PERCENT EXCEEDS	34		12		22	



01055100 ANDROSCOGGIN RIVER AT JAY, ME

LOCATION.--Lat 44°30'06", long 70°13'32", 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.--

Specific conductance: October 1993 to September 2000. Seasonal records (June to September) water year 2001.
Water temperature: October 1993 to September 2000. Seasonal records (June to September) water year 2001.
Dissolved oxygen: October 1993 to September 2000. Seasonal records (June to September) water year 2001.

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.--Records good for water temperature with a record high on Aug. 8-9.Records for dissolved oxygen are good except for periods June 15-20, July 25-28, and Sept. 14-19, which are fair, and periods June 20 to July 3 and July 28 to Aug. 2, which are poor. Records for specific conductance are good except for the period July 20 to Aug. 9, which are poor. Interruptions in the record were due to malfunctions of the monitor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

Specific conductance: Maximum, 335 µS/cm, Sept. 11, 1995; minimum, 25 µS/cm, Apr. 24-25, 1996.
Water temperature: Maximum, 28.3°C, Aug. 9, 2001; 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, 194 µS/cm, Aug. 2; minimum, 51 µS/cm, June 4-5.
Water temperature: Maximum, 28.3°C, Aug. 9; minimum, 12.0°C, June 4.
Dissolved oxygen: Maximum, 10.7 mg/L, June 4; minimum, 6.1 mg/L, Aug. 11.

SPECIFIC CONDUCTANCE (MICROSIEMENS/CM AT 25 DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	118	96	105	164	126	143	177	139	151	148	129	139
2	136	105	122	161	148	156	194	153	174	144	124	134
3	109	62	85	163	131	148	190	165	177	148	128	138
4	62	51	53	139	126	132	185	136	168	140	127	131
5	57	51	53	149	135	144	184	138	160	144	116	133
6	65	56	61	150	138	144	164	130	146	138	112	127
7	70	65	68	151	134	144	166	143	153	134	118	124
8	78	69	72	153	136	143	160	134	145	132	120	127
9	86	77	80	158	144	151	160	123	140	129	119	126
10	109	86	98	157	120	134	139	130	135	133	100	120
11	116	98	106	125	91	106	150	128	135	138	92	106
12	130	111	122	100	82	88	153	130	142	155	138	150
13	123	106	114	94	77	85	162	137	146	144	102	123
14	128	109	117	126	92	111	162	137	146	106	86	95
15	131	102	118	131	103	120	158	134	145	94	82	87
16	140	108	122	159	117	137	159	137	149	88	74	81
17	154	138	145	161	122	141	153	130	141	86	75	79
18	149	123	139	147	122	137	139	116	129	86	75	79
19	139	113	127	160	123	138	133	120	127	86	80	83
20	141	123	130	152	103	133	131	118	125	86	71	80
21	152	129	140	123	106	119	131	113	121	81	65	74
22	159	135	148	125	114	120	125	106	116	77	68	72
23	155	136	146	128	102	120	133	109	120	75	68	71
24	154	131	140	139	117	125	146	112	128	82	69	76
25	134	113	124	146	128	138	146	132	137	83	74	78
26	131	112	121	152	137	146	147	125	140	79	52	66
27	141	102	123	147	114	133	152	135	147	73	56	67
28	127	109	119	148	123	135	152	133	143	84	73	79
29	131	117	123	172	135	147	143	117	133	103	78	90
30	175	127	152	158	137	146	140	130	136	107	78	92
31	---	---	---	154	130	142	156	130	146	---	---	---
MONTH	175	51	112	172	77	132	194	106	142	155	52	101
PERIOD	194	51	122									

01055100 ANDROSCOGGIN RIVER AT JAY, ME--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.3	14.6	15.4	25.1	24.5	24.9	25.2	23.6	24.4	23.4	22.2	22.8
2	16.4	14.6	15.7	24.5	22.5	23.1	26.0	24.3	25.0	23.1	21.8	22.5
3	14.6	12.8	13.7	22.5	21.1	21.5	26.6	25.5	26.0	22.4	21.3	21.5
4	12.8	12.0	12.4	22.0	21.1	21.5	27.3	26.1	26.6	22.1	20.9	21.5
5	14.8	12.6	13.4	22.6	21.7	22.1	27.2	26.3	26.7	22.2	21.2	21.7
6	15.9	14.3	15.0	22.6	21.6	22.2	27.8	26.7	27.2	21.7	20.5	21.1
7	16.7	15.6	16.0	22.4	21.6	22.0	28.0	27.0	27.5	21.8	20.5	21.2
8	17.3	16.5	16.9	22.1	21.6	21.9	28.3	27.1	27.7	22.5	20.7	21.5
9	17.8	17.3	17.6	23.1	22.0	22.5	28.3	27.2	27.8	23.4	21.6	22.4
10	19.4	17.4	18.5	23.0	22.0	22.5	28.0	27.4	27.7	23.7	22.3	23.0
11	20.0	17.8	19.0	22.0	20.5	21.4	27.9	26.9	27.3	23.6	22.7	23.1
12	19.6	18.9	19.3	20.7	19.9	20.3	27.0	25.9	26.3	23.5	22.2	22.8
13	20.4	18.1	19.2	20.6	19.9	20.3	26.2	25.7	26.0	22.9	21.7	22.2
14	22.7	19.9	21.2	21.2	19.9	20.5	25.9	25.1	25.5	21.8	20.8	21.3
15	24.6	21.3	22.8	22.3	20.2	21.1	26.0	24.9	25.4	21.0	19.7	20.1
16	26.3	23.1	24.6	22.1	21.1	21.6	25.7	24.5	25.1	19.8	18.5	19.0
17	26.2	25.0	25.4	22.0	20.9	21.5	25.4	24.6	24.9	19.4	17.7	18.5
18	25.5	24.1	24.7	21.8	20.8	21.3	25.2	24.4	24.8	19.1	17.8	18.4
19	25.1	24.1	24.5	23.1	21.2	22.1	25.1	24.1	24.6	18.8	18.0	18.4
20	25.2	23.4	24.3	24.0	21.9	22.8	24.9	23.9	24.4	18.5	17.7	18.0
21	25.1	23.6	24.4	24.4	22.9	23.6	24.1	23.6	23.9	18.1	17.8	18.0
22	24.3	23.4	23.6	24.9	24.0	24.4	24.1	22.9	23.5	18.3	17.6	17.9
23	23.5	22.3	22.8	26.2	24.7	25.3	24.6	23.4	24.1	19.0	18.1	18.5
24	22.5	22.0	22.3	26.9	25.6	26.2	24.7	24.0	24.3	19.0	18.6	18.8
25	23.2	21.9	22.5	27.2	26.5	26.8	24.8	23.2	23.9	18.9	18.5	18.7
26	25.0	22.3	23.6	27.0	25.9	26.4	24.4	23.2	23.7	19.1	18.5	18.8
27	26.3	23.8	24.9	25.9	24.0	24.7	23.5	22.6	23.1	19.1	18.4	18.9
28	26.3	25.6	26.0	24.1	23.3	23.7	24.1	22.4	23.2	18.4	17.4	17.7
29	26.0	24.8	25.4	24.3	22.9	23.5	23.8	22.7	23.2	17.4	16.3	17.0
30	25.0	24.2	24.6	24.0	23.0	23.5	23.6	22.1	22.8	16.6	15.9	16.2
31	---	---	---	24.3	23.4	23.9	23.2	22.1	22.6	---	---	---
MONTH	26.3	12.0	20.7	27.2	19.9	22.9	28.3	22.1	25.1	23.7	15.9	20.0
PERIOD	28.3	12.0	22.2									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.7	9.1	9.4	8.8	7.8	8.2	8.5	7.7	8.0	8.0	7.3	7.6
2	9.6	9.2	9.4	8.6	7.6	8.1	8.4	7.3	7.8	7.8	7.3	7.5
3	10.3	9.2	9.6	8.5	7.6	8.1	8.2	7.3	7.7	8.1	7.1	7.6
4	10.7	10.3	10.6	8.7	7.8	8.2	8.0	7.1	7.4	7.9	7.6	7.8
5	10.6	10.1	10.3	8.7	8.0	8.3	7.8	7.0	7.3	7.8	7.2	7.5
6	10.1	9.7	9.8	8.8	7.8	8.3	7.7	6.9	7.3	7.5	7.1	7.3
7	9.8	9.4	9.6	8.8	7.9	8.3	7.8	6.9	7.3	7.9	7.1	7.4
8	9.7	9.2	9.4	8.7	7.9	8.3	7.7	7.0	7.3	7.9	7.2	7.5
9	9.4	8.9	9.2	8.5	7.7	8.1	7.7	6.4	7.0	7.8	7.1	7.4
10	9.1	8.6	8.9	8.3	7.7	8.0	6.9	6.2	6.5	7.5	7.0	7.2
11	9.1	8.5	8.8	8.4	7.6	7.9	7.0	6.1	6.5	7.7	6.8	7.3
12	8.8	8.5	8.6	8.2	7.9	8.0	7.2	6.2	6.6	7.8	7.1	7.4
13	9.0	8.3	8.7	8.7	8.1	8.5	7.2	6.4	6.7	8.0	7.1	7.5
14	8.9	8.3	8.6	8.8	8.2	8.5	7.3	6.2	6.8	8.1	7.2	7.7
15	9.1	8.2	8.7	8.9	8.2	8.6	7.5	6.4	6.8	8.4	7.5	7.9
16	9.0	8.0	8.4	9.1	8.2	8.6	7.6	6.3	7.0	8.7	7.7	8.2
17	8.3	7.8	8.1	8.9	8.2	8.5	7.3	6.5	6.9	9.0	8.1	8.5
18	8.1	7.2	7.4	8.9	8.2	8.5	7.0	6.5	6.8	9.0	8.4	8.6
19	9.0	7.4	8.3	8.9	8.2	8.6	7.6	6.5	7.0	9.3	8.4	8.8
20	9.1	8.0	8.6	9.0	7.8	8.5	7.4	6.7	7.1	8.9	8.5	8.7
21	9.4	8.0	8.7	8.9	8.1	8.4	7.2	6.8	7.1	8.8	8.3	8.5
22	9.7	8.4	8.9	8.7	7.9	8.3	7.4	6.9	7.2	8.5	8.3	8.4
23	8.9	7.8	8.3	8.7	7.7	8.2	7.6	7.1	7.3	8.6	8.2	8.4
24	9.0	7.9	8.5	8.6	7.7	8.0	7.7	7.2	7.4	8.6	8.3	8.4
25	9.3	8.3	8.8	8.3	7.2	7.7	7.9	7.1	7.6	8.6	8.1	8.3
26	9.5	8.5	9.0	8.2	6.9	7.5	8.0	7.0	7.4	8.4	8.1	8.2
27	9.8	8.3	9.0	8.6	7.3	7.8	7.6	7.0	7.3	8.8	8.2	8.4
28	9.7	7.9	8.8	8.6	7.7	8.1	7.9	6.7	7.4	8.6	8.0	8.3
29	9.4	8.0	8.7	8.8	7.8	8.3	7.9	7.1	7.5	8.5	8.0	8.2
30	9.3	7.8	8.5	8.8	8.1	8.4	8.0	7.3	7.6	9.1	8.5	8.6
31	---	---	---	8.7	7.8	8.3	7.9	7.1	7.5	---	---	---
MONTH	10.7	7.2	8.9	9.1	6.9	8.2	8.5	6.1	7.2	9.3	6.8	8.0
PERIOD	10.7	6.1	8.1									

01056400 THE BASIN OUTLET AT NORTH AUBURN, ME

LOCATION.--Lat 44°10'38", long 70°16'37", Androscoggin County, Hydrologic Unit 01040002, on left bank at upstream side of dam at the outlet of the Basin, 0.1 mi upstream from North Auburn Rd. bridge and 0.2 mi upstream from Lake Auburn.

DRAINAGE AREA.-- 8.01 mi^2.

PERIOD OF RECORD.--Discharge: February 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 266.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharge. Records good, except for flows below 2.00 ft^3/s, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 164 ft^3/s, Mar. 29, 2000, gage height, 3.73 ft; no flow, Aug. 3 to Sept. 30, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 152 ft^3/s, Apr. 22, gage height, 3.69 ft; no flow, Aug. 3 to Sept. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

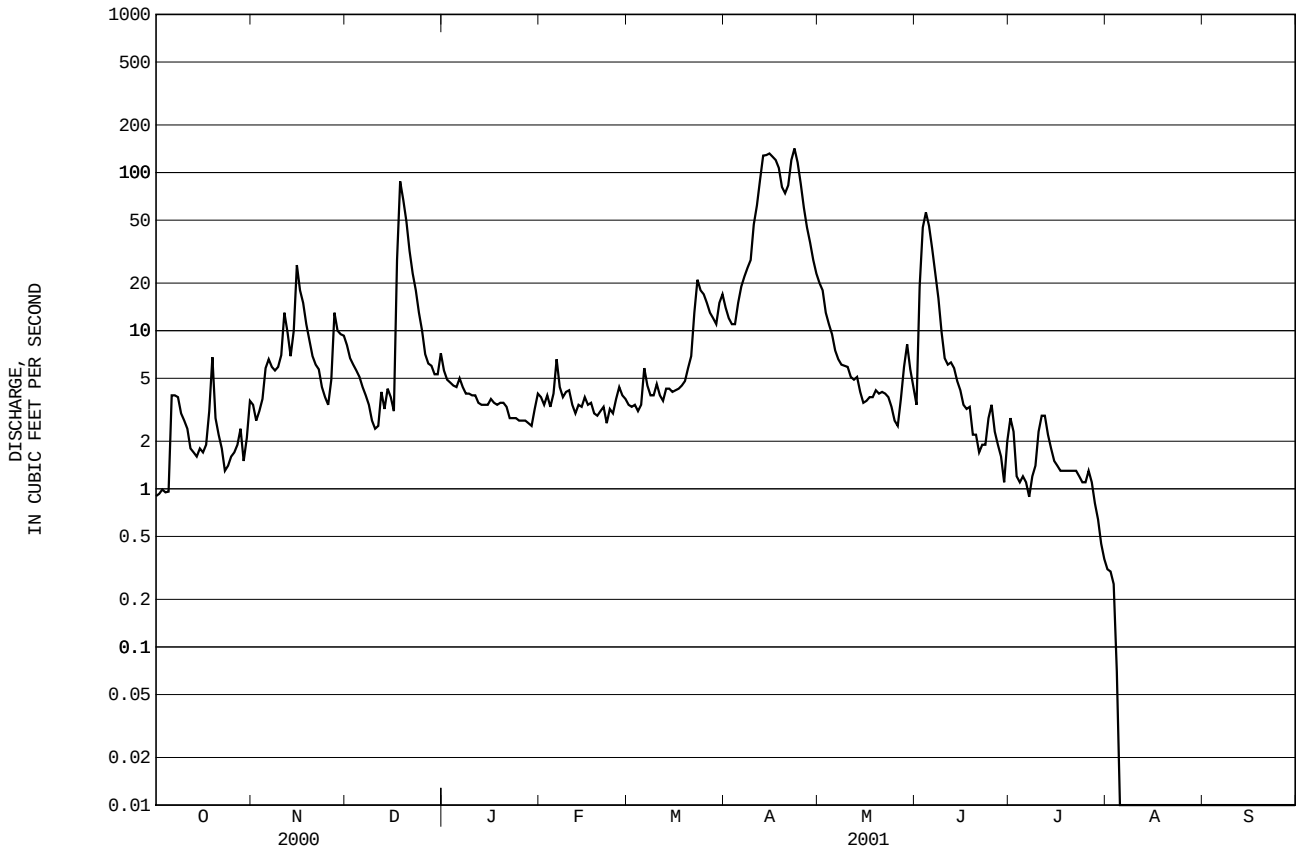
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.90	3.4	8.1	5.6	3.8	3.4	14	20	3.4	2.8	.31	.00
2	.93	2.7	6.7	4.9	3.4	3.3	12	18	19	2.3	.30	.00
3	.99	3.1	6.1	4.7	3.9	3.4	11	13	45	1.2	.25	.00
4	.95	3.7	5.6	4.5	3.3	3.1	11	11	56	1.1	.07	.00
5	.96	5.8	5.1	4.4	4.0	3.4	15	9.5	46	1.2	.00	.00
6	3.9	6.6	4.4	5.0	6.6	5.8	19	7.5	33	1.1	.00	.00
7	3.9	5.9	3.9	4.4	4.4	4.5	22	6.6	23	.89	.00	.00
8	3.8	5.6	3.4	4.0	3.8	3.9	25	6.1	16	1.2	.00	.00
9	3.0	5.9	2.7	4.0	4.1	3.9	28	6.0	9.8	1.4	.00	.00
10	2.7	7.0	2.4	3.9	4.2	4.6	47	5.9	6.7	2.3	.00	.00
11	2.4	13	2.5	3.9	3.4	3.9	62	5.1	6.1	2.9	.00	.00
12	1.8	9.8	4.1	3.5	3.0	3.6	90	4.9	6.3	2.9	.00	.00
13	1.7	6.9	3.2	3.4	3.4	4.3	128	5.1	5.8	2.2	.00	.00
14	1.6	10	4.3	3.4	3.3	4.3	129	4.1	4.8	1.8	.00	.00
15	1.8	26	3.8	3.4	3.8	4.1	132	3.5	4.2	1.5	.00	.00
16	1.7	18	3.1	3.7	3.4	4.2	126	3.6	3.4	1.4	.00	.00
17	1.9	15	28	3.5	3.5	4.3	120	3.8	3.2	1.3	.00	.00
18	3.1	11	88	3.4	3.0	4.5	107	3.8	3.3	1.3	.00	.00
19	6.8	8.7	67	3.5	2.9	4.8	81	4.2	2.2	1.3	.00	.00
20	2.8	6.9	49	3.5	3.1	5.8	74	4.0	2.2	1.3	.00	.00
21	2.2	6.1	32	3.3	3.3	6.9	83	4.1	1.7	1.3	.00	.00
22	1.8	5.7	23	2.8	2.6	13	120	4.0	1.9	1.3	.00	.00
23	1.3	4.4	18	2.8	3.2	21	142	3.8	1.9	1.2	.00	.00
24	1.4	3.8	13	2.8	3.0	18	116	3.3	2.8	1.1	.00	.00
25	1.6	3.4	10	2.7	3.7	17	85	2.7	3.4	1.1	.00	.00
26	1.7	4.9	7.1	2.7	4.4	15	60	2.5	2.3	1.3	.00	.00
27	1.9	13	6.2	2.7	3.9	13	45	3.7	1.9	1.1	.00	.00
28	2.4	10	6.0	2.6	3.7	12	36	5.9	1.6	.81	.00	.00
29	1.5	9.5	5.3	2.5	---	11	28	8.2	1.1	.64	.00	.00
30	2.1	9.3	5.3	3.2	---	15	23	5.7	2.0	.45	.00	.00
31	3.6	---	7.2	4.0	---	17	---	4.4	---	.36	.00	---
TOTAL	69.13	245.1	434.5	112.7	102.1	242.0	1991	194.0	320.0	44.05	0.93	0.00
MEAN	2.23	8.17	14.0	3.64	3.65	7.81	66.4	6.26	10.7	1.42	.030	.000
MAX	6.8	26	88	5.6	6.6	21	142	20	56	2.9	.31	.00
MIN	.90	2.7	2.4	2.5	2.6	3.1	11	2.5	1.1	.36	.00	.00
CFSM	.28	1.02	1.75	.45	.46	.97	8.29	.78	1.33	.18	.00	.00
IN.	.32	1.14	2.02	.52	.47	1.12	9.25	.90	1.49	.20	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	2.23	8.17	14.0	3.64	3.65	24.6	53.7	18.1	7.72	3.24	1.20	.68
MAX	2.23	8.17	14.0	3.64	3.65	41.3	66.4	30.0	10.7	5.06	2.37	1.36
(WY)	2001	2001	2001	2001	2001	2000	2001	2000	2001	2000	2000	2000
MIN	2.23	8.17	14.0	3.64	3.65	7.81	41.1	6.26	4.77	1.42	.030	.000
(WY)	2001	2001	2001	2001	2001	2001	2000	2001	2000	2001	2001	2001

01056400 THE BASIN OUTLET AT NORTH AUBURN, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL			3755.51			
ANNUAL MEAN			10.3		10.3	
HIGHEST ANNUAL MEAN					10.3	2001
LOWEST ANNUAL MEAN					10.3	2001
HIGHEST DAILY MEAN	156	Mar 29	142	Apr 23	156	Mar 29 2000
LOWEST DAILY MEAN	.73	Sep 12	.00	Aug 5	.00	Aug 5 2001
ANNUAL SEVEN-DAY MINIMUM	.93	Sep 6	.00	Aug 5	.00	Aug 5 2001
MAXIMUM PEAK FLOW			152	Apr 22	164	Mar 29 2000
MAXIMUM PEAK STAGE			3.69	Apr 22	3.73	Mar 29 2000
INSTANTANEOUS LOW FLOW			.00	Aug 3	.00	Aug 3 2001
ANNUAL RUNOFF (CFSM)			1.28		1.28	
ANNUAL RUNOFF (INCHES)			17.44		17.45	
10 PERCENT EXCEEDS	39		21		34	
50 PERCENT EXCEEDS	4.5		3.5		3.8	
90 PERCENT EXCEEDS	1.6		.00		.31	



01056480 TOWNSEND BROOK NEAR AUBURN, ME

LOCATION.--Lat 44°09'56", long 70°14'18", Androscoggin County, Hydrologic Unit 01040002, on left bank at upstream side of unnamed culvert crossing, 0.5 mi upstream from mouth and 1.7 mi north of East Auburn.

DRAINAGE AREA.--1.88 mi^2.

PERIOD OF RECORD.--Discharge: April 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 266.78 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of doubtful stage-discharge relation, Oct. 7-18, Feb. 5-6, Jun. 10-13, 23-28, Jun. 30 to Jul. 1, Aug. 21-24, Sept. 15-19, and 21-26, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37 ft^3/s, Dec. 18, 2000, gage height, 2.93 ft; minimum discharge, 0.64 ft^3/s, Sept. 15, 2001, gage height, 1.56 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37 ft^3/s, Dec. 18, gage height, 2.93 ft; minimum discharge, 0.64 ft^3/s, Sept. 15, gage height, 1.56 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	1.4	1.3	1.2	1.1	.94	1.4	2.2	1.4	e1.3	.83	.86
2	1.0	1.3	1.1	1.2	1.0	.91	1.4	2.1	4.0	1.3	.80	.80
3	.98	1.2	.93	1.1	1.1	.92	1.4	2.0	6.4	1.2	.78	.78
4	1.0	.98	.91	1.2	.95	.91	1.6	1.9	4.6	1.1	.78	.76
5	1.0	1.3	.89	1.1	e.93	.92	2.3	1.8	2.5	1.2	.79	.78
6	1.9	1.3	.89	1.2	e1.2	1.0	2.7	1.7	1.9	1.0	.79	.79
7	e1.4	1.2	.87	1.2	1.1	.96	3.0	1.6	1.6	.95	.73	.77
8	e1.1	1.0	.83	1.1	1.1	.94	3.0	1.6	1.5	1.1	.81	.76
9	e1.0	.94	.80	1.1	1.1	.95	3.5	1.6	1.5	1.2	.78	.76
10	e1.0	1.1	.80	1.1	1.2	.95	6.4	1.5	e1.7	1.5	.78	.75
11	e1.0	1.7	.88	1.1	1.1	.95	8.1	1.5	e1.6	1.6	.77	.75
12	e1.0	1.4	1.2	1.0	1.0	.94	8.5	1.5	e1.6	1.5	.76	.74
13	e.99	1.1	.91	.98	1.1	.95	12	1.5	e1.5	1.2	.82	.75
14	e.98	1.4	.97	1.0	1.0	1.1	9.7	1.5	1.4	1.6	.84	.74
15	e.98	2.8	.92	1.0	1.1	1.2	8.7	1.5	1.3	1.4	.82	e.71
16	e.99	1.7	.92	1.1	.98	1.2	8.2	1.5	1.3	1.2	.78	e.74
17	e1.0	1.4	6.8	1.1	1.0	1.2	8.2	1.5	1.3	1.3	.79	e.76
18	e1.3	1.2	14	1.0	.94	1.2	7.0	1.5	1.4	1.2	.80	e.76
19	2.6	1.1	2.9	1.1	.94	1.4	4.7	1.5	1.3	1.1	.80	e.77
20	1.6	1.0	2.1	1.0	.95	1.6	5.9	1.5	1.2	.97	.78	.84
21	1.3	1.0	1.8	1.0	.94	1.6	7.5	1.4	1.1	.90	e.78	e2.0
22	1.2	.95	1.6	.99	.93	1.9	11	1.4	1.1	.87	e.77	e1.6
23	1.2	.92	1.5	.96	.94	2.4	9.3	1.4	e1.1	.86	e.77	e1.3
24	1.1	.88	1.4	.95	.93	2.1	6.7	1.4	e1.1	.84	e.77	e1.3
25	1.1	.84	1.3	.96	.95	2.0	5.3	1.4	e1.1	.84	.76	e2.6
26	1.1	1.3	1.1	.95	1.1	1.8	3.7	1.3	e.99	.94	.76	e2.2
27	1.1	2.1	1.2	.95	1.1	1.6	3.0	1.5	e.93	.90	.76	1.0
28	.99	1.7	1.1	.95	.95	1.5	2.7	1.8	e.91	.86	.75	.84
29	1.1	1.5	1.1	.94	---	1.5	2.4	2.0	.91	.84	.76	.85
30	1.3	1.4	1.1	1.0	---	1.5	2.3	1.6	e.89	.84	.75	.84
31	1.5	---	1.3	1.1	---	1.6	---	1.4	---	.83	.75	---
TOTAL	36.81	39.11	55.42	32.63	28.73	40.64	161.6	49.6	51.13	34.44	24.21	29.90
MEAN	1.19	1.30	1.79	1.05	1.03	1.31	5.39	1.60	1.70	1.11	.78	1.00
MAX	2.6	2.8	14	1.2	1.2	2.4	12	2.2	6.4	1.6	.84	2.6
MIN	.98	.84	.80	.94	.93	.91	1.4	1.3	.89	.83	.73	.71
CFSM	.63	.69	.95	.56	.55	.70	2.87	.85	.91	.59	.42	.53
IN.	.73	.77	1.10	.65	.57	.80	3.20	.98	1.01	.68	.48	.59

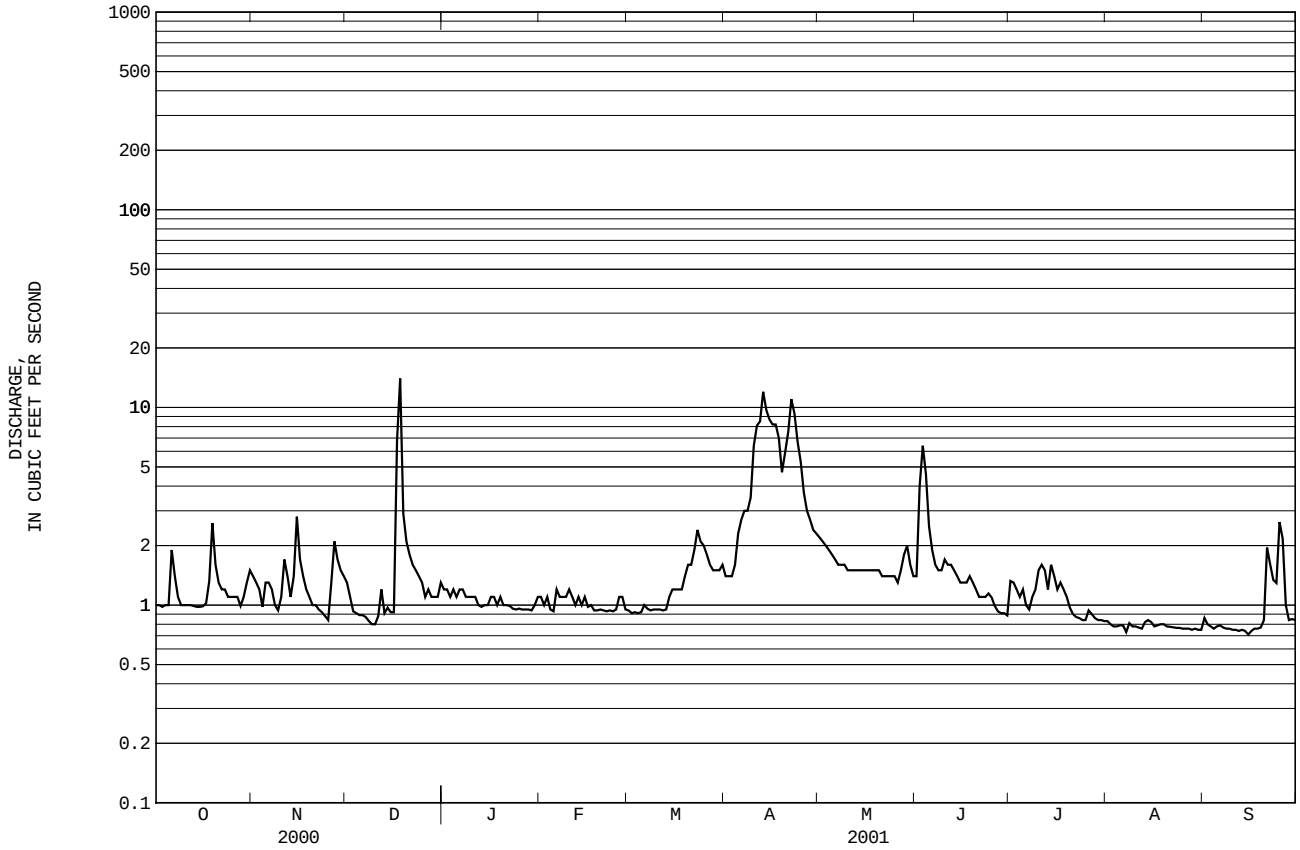
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2001, BY WATER YEAR (WY)

MEAN	1.19	1.30	1.79	1.05	1.03	1.31	5.39	2.74	1.92	1.69	1.12	1.04
MAX	1.19	1.30	1.79	1.05	1.03	1.31	5.39	3.88	2.14	2.27	1.45	1.09
(WY)	2001	2001	2001	2001	2001	2001	2001	2000	2000	2000	2000	2000
MIN	1.19	1.30	1.79	1.05	1.03	1.31	5.39	1.60	1.70	1.11	.78	1.00
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

e Estimated

01056480 TOWNSEND BROOK NEAR AUBURN, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 2000 - 2001	
ANNUAL TOTAL			584.22			
ANNUAL MEAN			1.60		1.60	
HIGHEST ANNUAL MEAN					1.60	2001
LOWEST ANNUAL MEAN					1.60	2001
HIGHEST DAILY MEAN	15	Apr 23	14	Dec 18	15	Apr 23 2000
LOWEST DAILY MEAN	.80	Dec 9	.71	Sep 15	.71	Sep 15 2001
ANNUAL SEVEN-DAY MINIMUM	.85	Dec 5	.74	Sep 10	.74	Sep 10 2001
MAXIMUM PEAK FLOW			37	Dec 18	37	Dec 18 2000
MAXIMUM PEAK STAGE			2.93	Dec 18	2.93	Dec 18 2000
INSTANTANEOUS LOW FLOW			.64	Sep 15	.64	Sep 15 2001
ANNUAL RUNOFF (CFSM)			.85		.85	
ANNUAL RUNOFF (INCHES)			11.56		11.57	
10 PERCENT EXCEEDS	3.0		2.3		2.8	
50 PERCENT EXCEEDS	1.5		1.1		1.3	
90 PERCENT EXCEEDS	.99		.79		.84	



01056505 BOBBIN MILL BROOK NEAR AUBURN, ME

LOCATION.--Lat 44°08'32", long 70°13'34", Androscoggin County, Hydrologic Unit 01040002, on right bank 10 ft upstream from Oak Hill Road culvert and 900 ft downstream from Lake Auburn dam, in East Auburn.

DRAINAGE AREA.-- 18.3 mi^2.

PERIOD OF RECORD.--August 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 232.44 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 9-10, 25-26, Jan. 11, 13, 18, 22-23, 26, 29, Feb. 4, 11-12, 17-19, 21-22, Feb. 28 to Mar. 4, and 8, and period of doubtful stage-dischage relation, Oct. 1 to Nov. 21, which are fair. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129 ft^3/s, Apr. 24, 2001, gage height, 2.47 ft minimum daily discharge, 0.19 ft^3/s, Dec. 2, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 129 ft^3/s, Apr. 24, gage height, 2.47 ft; minimum daily discharge, 0.19 ft^3/s, Dec. 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.88	.67	.24	.93	.92	e.84	48	86	2.9	5.2	5.6	5.5
2	.93	.68	.19	.93	.83	e.84	45	81	3.1	5.0	5.7	5.4
3	.88	.72	.20	.93	.83	e.84	42	75	3.3	4.7	4.9	5.4
4	.86	.50	.20	.89	e.84	e.84	39	68	3.8	4.9	5.2	5.4
5	.96	.39	.20	.86	1.2	.83	38	64	4.0	5.0	5.7	5.4
6	.83	.32	.23	.84	1.9	.78	38	59	4.1	5.2	5.7	5.4
7	.72	.39	.33	.84	.84	.77	39	55	4.1	5.2	5.6	5.4
8	.75	.46	.40	.83	.77	e.82	39	51	3.9	5.1	5.5	5.4
9	.75	.46	e.40	.83	.75	.84	40	47	3.8	4.9	5.4	5.4
10	.74	.48	e.44	.84	.83	.84	44	20	3.9	5.0	5.6	5.4
11	.68	.49	.52	e.84	e.75	.84	50	4.4	3.9	5.2	5.7	5.4
12	.67	.45	.58	.84	e.74	.86	58	5.0	4.0	5.2	5.4	5.2
13	.59	.40	.59	e.84	.67	.84	73	6.9	4.2	5.6	5.5	5.2
14	.54	.51	.75	.84	.67	.83	83	4.2	4.1	6.0	5.4	5.2
15	.51	.43	.59	.83	.75	.95	92	3.1	4.2	6.0	5.4	5.0
16	.51	.25	.60	.82	.76	3.1	98	3.0	4.0	6.0	5.4	4.9
17	.46	.24	1.3	.89	e.77	6.0	104	3.0	4.0	6.0	5.5	4.9
18	.66	.20	.91	e.93	e.75	5.9	111	3.1	4.7	5.9	5.4	4.9
19	.72	.22	.84	.93	e.75	5.9	112	3.1	5.2	5.9	5.4	4.9
20	.55	.25	.86	.93	.86	6.4	112	3.0	5.2	5.7	5.5	4.7
21	.57	.24	.84	.93	e.88	6.5	113	3.0	5.2	5.8	5.4	4.7
22	.99	.21	.84	e.93	e.89	9.7	116	3.1	4.9	5.8	5.4	4.7
23	.92	.20	.84	e.93	.84	19	122	3.1	4.9	5.7	5.6	4.7
24	.91	.20	.82	.93	.84	21	125	3.1	5.0	5.7	5.5	4.6
25	1.0	.21	e.75	.90	.89	21	124	3.1	4.9	5.9	5.4	4.6
26	.98	.32	e.85	e.89	.86	33	119	3.1	4.9	5.9	5.4	4.4
27	.96	.26	.89	.84	.84	46	113	3.2	5.1	5.8	5.4	4.4
28	.80	.25	.88	.87	e.87	45	107	3.3	5.1	5.7	5.4	4.4
29	.75	.25	.89	e.93	---	42	99	3.2	5.1	5.8	5.4	4.4
30	.78	.25	.88	.93	---	44	92	3.1	5.2	5.8	5.4	4.4
31	.73	---	.95	.94	---	50	---	3.0	---	5.7	5.4	---
TOTAL	23.58	10.90	19.80	27.43	24.09	377.06	2435	679.1	130.7	171.3	169.2	149.7
MEAN	.76	.36	.64	.88	.86	12.2	81.2	21.9	4.36	5.53	5.46	4.99
MAX	1.0	.72	1.3	.94	1.9	50	125	86	5.2	6.0	5.7	5.5
MIN	.46	.20	.19	.82	.67	.77	38	3.0	2.9	4.7	4.9	4.4

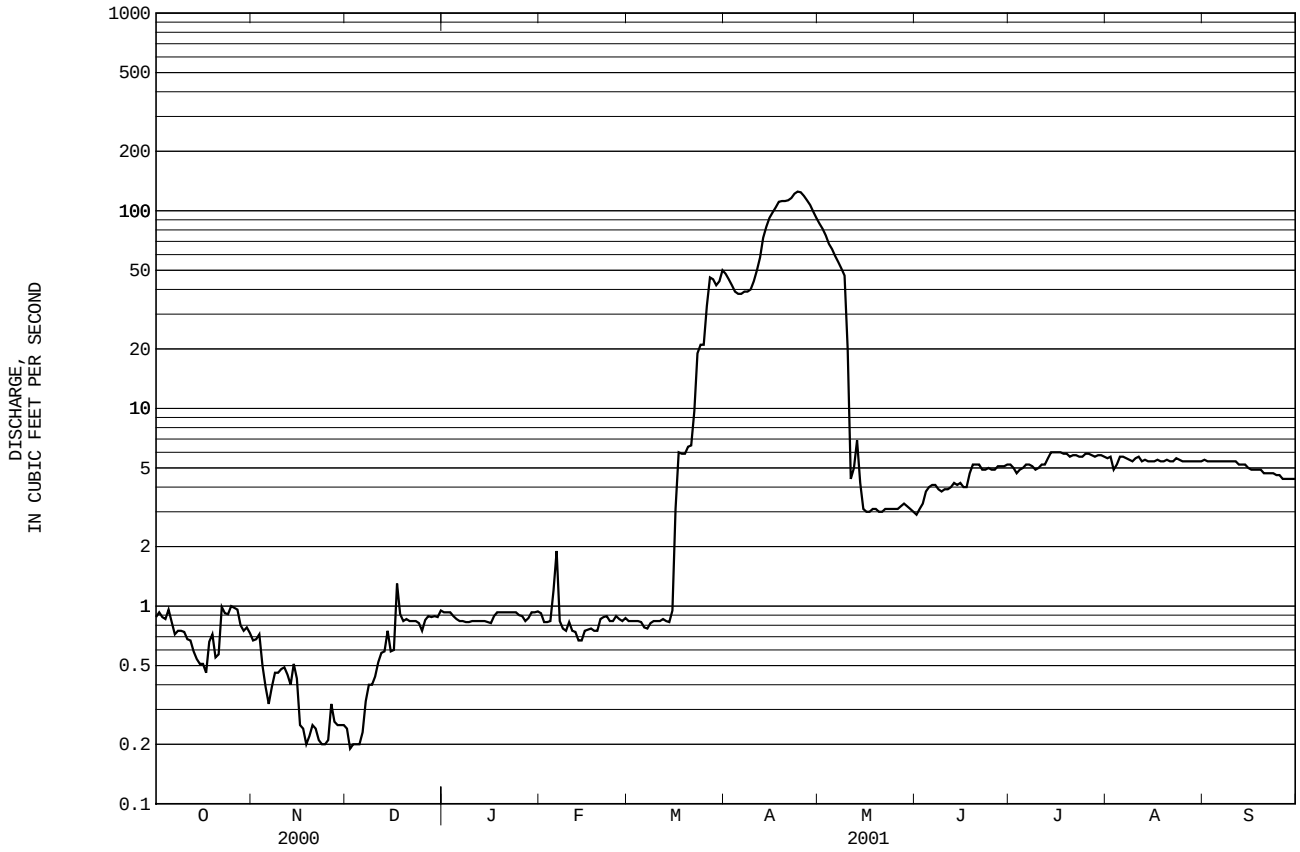
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2001, BY WATER YEAR (WY)

MEAN	5.00	4.11	4.35	4.52	4.68	10.0	73.8	43.9	3.15	3.65	3.54	5.85
MAX	9.24	7.85	8.07	8.15	8.37	12.2	81.2	65.9	4.36	5.53	5.46	11.4
(WY)	2000	2000	2000	2000	2000	2001	2001	2000	2001	2001	2001	1999
MIN	.76	.36	.64	.88	.86	7.83	66.5	21.9	1.95	1.77	1.62	1.20
(WY)	2001	2001	2001	2001	2001	2000	2000	2001	2000	2000	2000	2000

e Estimated

01056505 BOBBIN MILL BROOK NEAR AUBURN, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1999 - 2001	
ANNUAL TOTAL	5029.01		4217.86			
ANNUAL MEAN	13.7		11.6		13.6	
HIGHEST ANNUAL MEAN					15.7	2000
LOWEST ANNUAL MEAN					11.6	2001
HIGHEST DAILY MEAN	121	Apr 10	125	Apr 24	125	Apr 24 2001
LOWEST DAILY MEAN	.19	Dec 2	.19	Dec 2	.19	Dec 2 2000
ANNUAL SEVEN-DAY MINIMUM	.22	Nov 30	.22	Nov 30	.22	Nov 30 2000
MAXIMUM PEAK FLOW			129	Apr 24	129	Apr 24 2001
MAXIMUM PEAK STAGE			2.47	Apr 24	2.47	Apr 24 2001
10 PERCENT EXCEEDS	67		43		45	
50 PERCENT EXCEEDS	1.7		3.1		5.4	
90 PERCENT EXCEEDS	.50		.50		.78	



01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME

LOCATION.--Lat 44°18'12", long 70°32'22", 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 period of ice-effect, Dec. 28 to Mar. 22, which is fair. Satellite gage-height 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)
Dec 18	1100	*1,730	*7.04	Apr 23	0445	1,680	6.98
Apr 14	0230	1,010	5.86	Jun 3	1945	1,010	5.86

Minimum discharge, 0.99 ft^3/s, Sept. 20, gage height, 1.37 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	73	96	e73	e41	e38	75	332	79	44	8.8	4.9
2	4.4	53	77	e68	e40	e38	71	320	190	126	8.5	8.9
3	4.5	44	58	e65	e40	e37	69	283	859	59	7.2	7.1
4	4.6	40	57	e63	e39	e36	70	236	660	44	6.3	5.3
5	4.2	45	51	e60	e39	e35	89	198	335	130	5.6	4.3
6	23	65	47	e59	e41	e39	121	170	218	126	5.1	3.6
7	36	54	41	e60	e47	e42	134	146	161	77	4.6	3.2
8	24	45	33	e56	e45	e41	157	130	120	63	4.2	2.8
9	22	41	30	e56	e42	e39	165	115	92	58	3.8	2.5
10	19	41	27	e54	e45	e40	288	104	76	52	3.4	2.2
11	19	107	28	e51	e48	e39	445	93	69	66	3.1	2.0
12	18	110	45	e50	e44	e38	581	86	74	181	3.0	1.7
13	15	76	57	e47	e43	e38	934	132	75	120	2.9	1.6
14	14	66	50	e46	e42	e41	952	105	62	83	2.8	1.5
15	13	265	51	e45	e42	e42	845	87	53	65	2.7	1.3
16	12	197	47	e47	e40	e43	803	83	45	53	2.5	1.3
17	14	134	186	e47	e40	e44	813	80	46	55	2.5	1.2
18	17	101	1400	e45	e39	e46	765	73	74	89	2.7	1.2
19	71	80	697	e44	e38	e47	532	81	52	62	2.6	1.1
20	59	68	338	e44	e38	e53	533	85	41	46	2.4	1.1
21	42	62	252	e44	e38	e65	699	70	33	35	2.5	1.8
22	34	57	189	e42	e36	e72	1110	60	28	29	3.5	5.3
23	29	51	153	e41	e37	82	1540	56	27	25	6.5	5.5
24	26	41	123	e41	e37	87	1450	49	120	22	5.1	4.0
25	24	37	109	e40	e36	90	1380	46	194	21	3.8	4.1
26	24	38	91	e39	e40	83	898	41	99	19	2.9	37
27	23	105	91	e39	e41	78	680	52	64	17	2.7	23
28	22	134	e83	e39	e39	75	567	132	47	14	2.9	18
29	21	122	e76	e37	---	71	431	224	36	12	3.3	17
30	22	111	e71	e37	---	68	359	147	30	11	3.3	13
31	80	---	e74	e40	---	73	---	104	---	9.0	3.1	---
TOTAL	745.2	2463	4728	1519	1137	1660	17556	3920	4059	1813.0	124.3	187.5
MEAN	24.0	82.1	153	49.0	40.6	53.5	585	126	135	58.5	4.01	6.25
MAX	80	265	1400	73	48	90	1540	332	859	181	8.8	37
MIN	4.2	37	27	37	36	35	69	41	27	9.0	2.4	1.1
CFSM	.33	1.12	2.08	.67	.55	.73	7.96	1.72	1.84	.80	.05	.09
IN.	.38	1.25	2.39	.77	.58	.84	8.89	1.98	2.05	.92	.06	.09

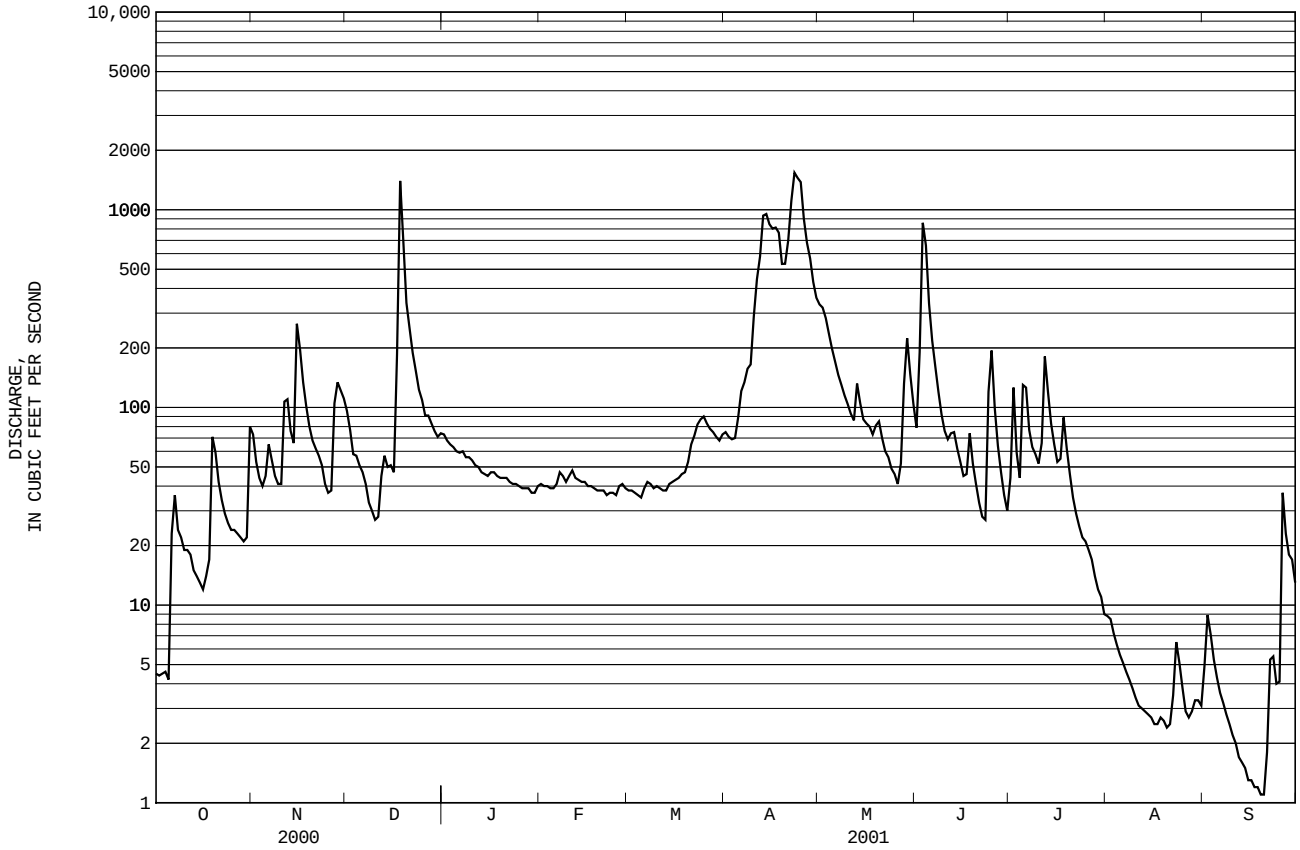
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2001, BY WATER YEAR (WY)

MEAN	78.0	138	128	89.2	83.4	210	465	214	110	51.9	37.3	41.5
MAX	457	421	608	303	380	1133	855	531	464	257	193	354
(WY)	1978	1964	1974	1978	1970	1936	1969	1989	1917	1973	1973	1954
MIN	6.14	13.6	9.71	16.2	2.61	31.3	147	63.1	16.7	6.45	4.01	1.28
(WY)	1948	1953	1923	1948	1920	1940	1995	1941	1964	1991	1995	1995

e Estimated

01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1914 - 2001	
ANNUAL TOTAL	45916.3		39912.0			
ANNUAL MEAN	125		109		137	
HIGHEST ANNUAL MEAN					219	1973
LOWEST ANNUAL MEAN					62.9	1965
HIGHEST DAILY MEAN	1700	Mar 29	1540	Apr 23	6760	Apr 1 1987
LOWEST DAILY MEAN	4.2	Oct 5	1.1	Sep 19	.65	Sep 17 1995
ANNUAL SEVEN-DAY MINIMUM	4.9	Sep 29	1.2	Sep 14	.69	Sep 15 1995
MAXIMUM PEAK FLOW			1730	Dec 18	9340	Apr 1 1987
MAXIMUM PEAK STAGE			7.04	Dec 18	12.22	Apr 1 1987
INSTANTANEOUS LOW FLOW			.99	Sep 20	.60	Sep 17 1995
ANNUAL RUNOFF (CFSM)	1.71		1.49		1.87	
ANNUAL RUNOFF (INCHES)	23.24		20.20		25.39	
10 PERCENT EXCEEDS	265		197		330	
50 PERCENT EXCEEDS	54		45		63	
90 PERCENT EXCEEDS	13		3.8		12	



01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME

LOCATION.--Lat 44°04'20", long 70°12'31", 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.--No estimated daily discharges. Records good. 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 30.7 billion ft^3. Telephone and satellite gage-height 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, 43,600 ft^3/s, Apr. 25, gage height, 13.19 ft; minimum daily discharge, 1,450 ft^3/s, Sept. 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

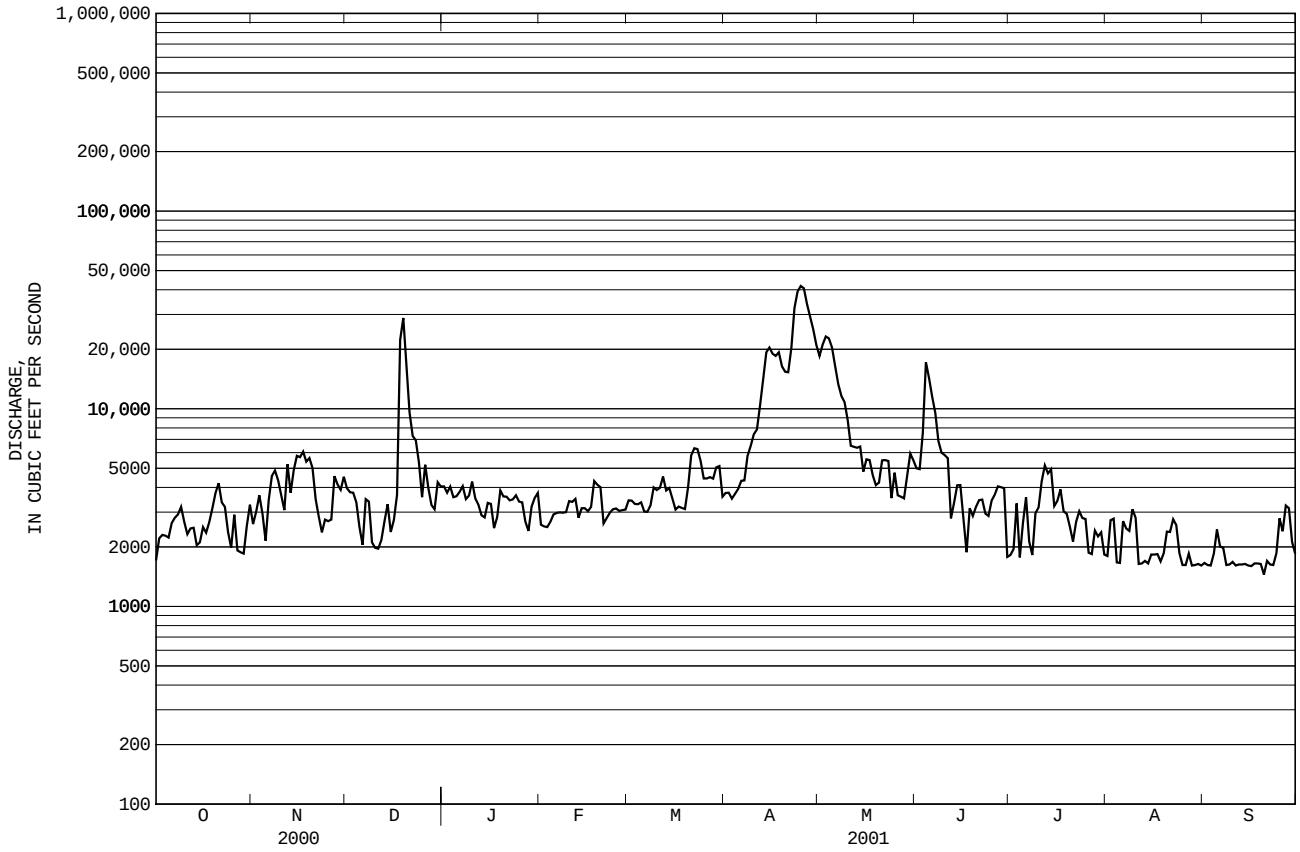
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1710	2610	3960	4050	2590	3440	3750	18500	5000	1820	1800	1660
2	2210	3020	3780	3760	2540	3430	3760	21100	4950	1950	2730	1620
3	2300	3650	3760	4040	2520	3300	3510	23200	7530	3320	2780	1610
4	2280	2950	3360	3570	2680	3290	3710	22700	17200	1770	1670	1850
5	2230	2150	2520	3610	2920	3360	3930	20400	14300	2640	1660	2450
6	2640	3450	2050	3800	2970	3020	4320	16400	11500	3570	2700	2010
7	2810	4570	3490	4060	2990	3010	4340	13300	9520	2130	2480	1980
8	2920	4870	3390	3490	2980	3250	5780	11600	6860	1820	2410	1620
9	3190	4350	2110	3640	3000	4000	6480	10800	5990	2960	3100	1630
10	2680	3650	1980	4280	3410	3880	7420	8780	5830	3170	2810	1680
11	2320	3070	1960	3520	3380	3980	7860	6500	5620	4300	1640	1610
12	2480	5240	2170	3270	3500	4540	10400	6420	2790	5170	1650	1630
13	2500	3760	2700	2890	2810	3860	14100	6350	3350	4710	1700	1630
14	2040	4900	3290	2820	3140	3970	19300	6440	4100	4940	1650	1640
15	2110	5780	2380	3340	3140	3510	20400	4810	4110	3220	1830	1610
16	2520	5690	2740	3300	3030	3090	19000	5550	2770	3420	1830	1600
17	2360	6070	3670	2490	3190	3200	18500	5500	1880	3910	1840	1650
18	2670	5400	22300	2830	4310	3150	19300	4620	3140	3030	1690	1650
19	3140	5630	28800	3860	4130	3110	16400	4110	2870	2940	1860	1640
20	3750	5010	16600	3600	4010	4010	15400	4230	3190	2530	2390	1450
21	4200	3480	9580	3590	2630	5810	15300	5480	3450	2130	2380	1700
22	3360	2840	7280	3440	2800	6310	20300	5500	3470	2680	2760	1630
23	3190	2370	6920	3480	2980	6250	32400	5440	2950	3030	2580	1620
24	2380	2750	5350	3650	3100	5450	39200	3530	2870	2800	1860	1860
25	1980	2700	3570	3390	3130	4440	41800	4750	3430	2770	1620	2790
26	2910	2750	5210	3360	3040	4440	40700	3650	3680	1870	1620	2400
27	1920	4560	3980	2690	3070	4510	33900	3590	4050	1840	1850	3240
28	1880	4140	3260	2410	3090	4430	29200	3520	4010	2420	1610	3140
29	1850	3890	3100	3200	---	5050	25200	4580	3960	2260	1620	2120
30	2560	4530	4250	3540	---	5130	21000	5930	1780	2370	1640	1850
31	3270	---	4040	3750	---	3590	---	5480	---	1830	1610	---
TOTAL	80360	119830	173550	106720	87080	125810	506660	272760	156150	89320	63370	56570
MEAN	2592	3994	5598	3443	3110	4058	16890	8799	5205	2881	2044	1886
MAX	4200	6070	28800	4280	4310	6310	41800	23200	17200	5170	3100	3240
MIN	1710	2150	1960	2410	2520	3010	3510	3520	1780	1770	1610	1450

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2001, BY WATER YEAR (WY)

MEAN	4168	5622	5264	4541	4443	7366	15280	11620	5888	3686	3091	3235
MAX	13950	13340	21260	10550	13570	32680	23710	24940	16920	12930	7185	16700
(WY)	1978	1996	1974	1996	1970	1936	1993	1937	1998	1996	1976	1954
MIN	1859	1904	1845	1852	1881	2384	5722	3688	2518	2039	1762	1439
(WY)	1942	1953	1979	1948	1948	1940	1995	1941	1941	1965	1995	1995

01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1929 - 2001	
ANNUAL TOTAL	2454560		1838180			
ANNUAL MEAN	6706		5036		6185	
HIGHEST ANNUAL MEAN					9828	1996
LOWEST ANNUAL MEAN					3500	1941
HIGHEST DAILY MEAN	38900	Mar 29	41800	Apr 25	114000	Mar 20 1936
LOWEST DAILY MEAN	1710	Aug 11	1450	Sep 20	340	Sep 28 1941
ANNUAL SEVEN-DAY MINIMUM	2040	Sep 27	1610	Sep 14	1320	Aug 29 1995
MAXIMUM PEAK FLOW			43600	Apr 25	135000	Mar 20 1936
MAXIMUM PEAK STAGE			13.19	Apr 25	27.57	Mar 20 1936
10 PERCENT EXCEEDS	15200		9080		13000	
50 PERCENT EXCEEDS	4020		3300		4190	
90 PERCENT EXCEEDS	2150		1810		2000	



01059800 COLLYER BROOK NEAR GRAY, ME

LOCATION.--Lat 43°55'03", long 70°19'02", Cumberland County, Hydrologic Unit 01060001, at U.S. Highway 202, 2.4 mi northeast of Gray, and 3.4 mi upstream from mouth.

DRAINAGE AREA.--13.8 mi^2

PERIOD OF RECORD.--September 1964 to September 1982, July 1998 to November 2000 (discontinued).

REVISED RECORDS.--WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.66 ft above National Geodetic Vertical Datum of 1929. Prior to July 8, 1998 at site 50 ft downstream at same datum.

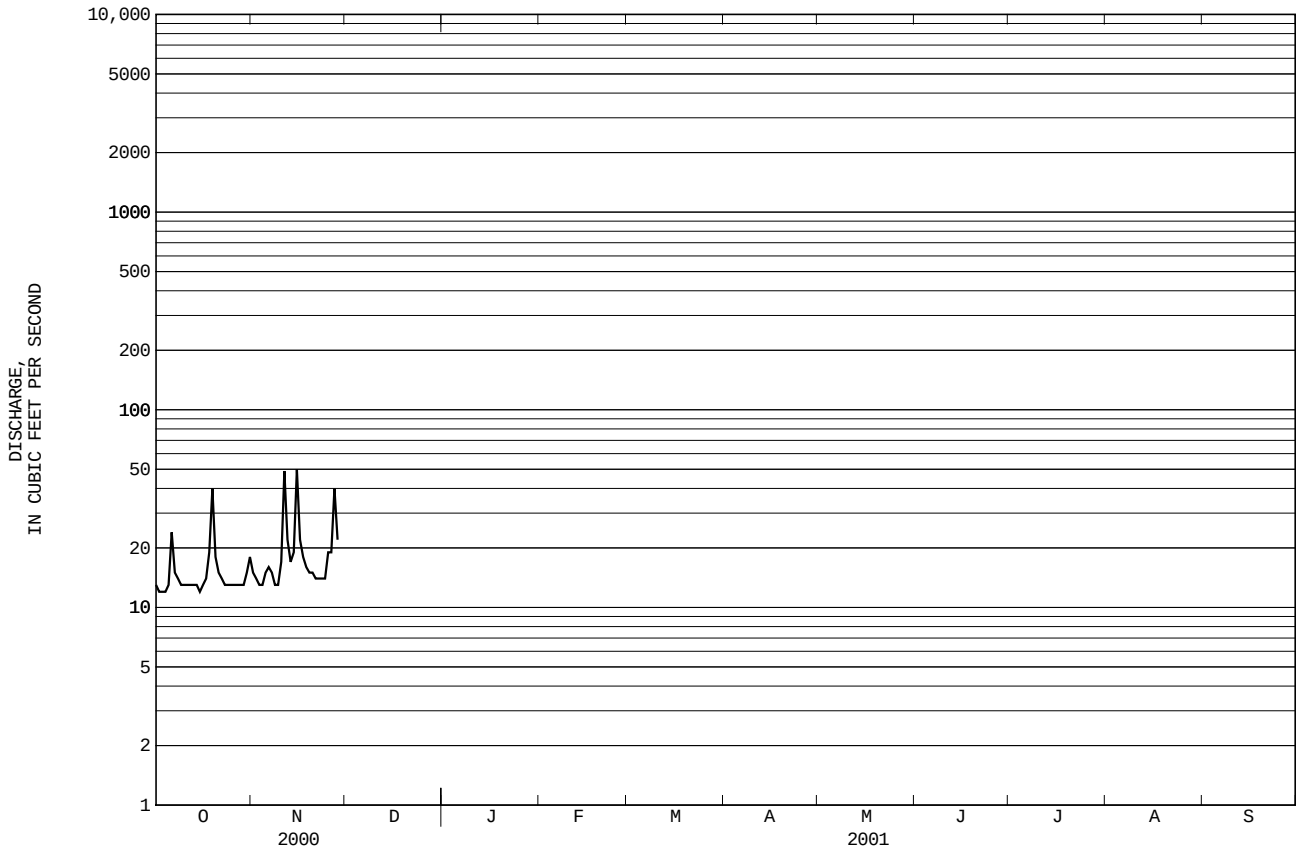
REMARKS.--Records Good. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD: Maximum discharge, 1,220 ft^3/s, Dec. 27, 1969, gage height, 3.48 ft, former site; maximum gage height, 4.30 ft, Feb. 14, 1972, (backwater from ice), former site; minimum daily discharge, 6.4 ft^3/s, Jan. 29, 1966.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	15	---	---	---	---	---	---	---	---	---	---
2	12	14	---	---	---	---	---	---	---	---	---	---
3	12	13	---	---	---	---	---	---	---	---	---	---
4	12	13	---	---	---	---	---	---	---	---	---	---
5	13	15	---	---	---	---	---	---	---	---	---	---
6	24	16	---	---	---	---	---	---	---	---	---	---
7	15	15	---	---	---	---	---	---	---	---	---	---
8	14	13	---	---	---	---	---	---	---	---	---	---
9	13	13	---	---	---	---	---	---	---	---	---	---
10	13	17	---	---	---	---	---	---	---	---	---	---
11	13	49	---	---	---	---	---	---	---	---	---	---
12	13	22	---	---	---	---	---	---	---	---	---	---
13	13	17	---	---	---	---	---	---	---	---	---	---
14	13	19	---	---	---	---	---	---	---	---	---	---
15	12	50	---	---	---	---	---	---	---	---	---	---
16	13	22	---	---	---	---	---	---	---	---	---	---
17	14	18	---	---	---	---	---	---	---	---	---	---
18	19	16	---	---	---	---	---	---	---	---	---	---
19	40	15	---	---	---	---	---	---	---	---	---	---
20	18	15	---	---	---	---	---	---	---	---	---	---
21	15	14	---	---	---	---	---	---	---	---	---	---
22	14	14	---	---	---	---	---	---	---	---	---	---
23	13	14	---	---	---	---	---	---	---	---	---	---
24	13	14	---	---	---	---	---	---	---	---	---	---
25	13	19	---	---	---	---	---	---	---	---	---	---
26	13	19	---	---	---	---	---	---	---	---	---	---
27	13	40	---	---	---	---	---	---	---	---	---	---
28	13	22	---	---	---	---	---	---	---	---	---	---
29	13	---	---	---	---	---	---	---	---	---	---	---
30	15	---	---	---	---	---	---	---	---	---	---	---
31	18	---	---	---	---	---	---	---	---	---	---	---
TOTAL	462	---	---	---	---	---	---	---	---	---	---	---
MEAN	14.9	---	---	---	---	---	---	---	---	---	---	---
MAX	40	50	---	---	---	---	---	---	---	---	---	---
MIN	12	13	---	---	---	---	---	---	---	---	---	---
CFSM	1.08	---	---	---	---	---	---	---	---	---	---	---
IN.	1.25	---	---	---	---	---	---	---	---	---	---	---

01059800 COLLYER BROOK NEAR GRAY, ME--Continued



01060000 ROYAL RIVER AT YARMOUTH, ME

LOCATION.--Lat 43°47'57", long 70°10'45", Cumberland County, Hydrologic Unit 01060001, on right bank 150 ft upstream from East Main Street bridge in Yarmouth.

DRAINAGE AREA.--141 mi^2.

PERIOD OF RECORD.--October 1949 to current year.

REVISED RECORDS.--WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 9.51 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 21-27, Feb. 11-23, Mar. 1-3, 19-28, and Apr. 4-6, and period of no gage-height record Dec. 19-21, which are fair. Low flow may be regulated by operation of mills upstream. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft^3/s, Mar. 13, 1977, gage height, 8.46 ft, minimum daily discharge, 5.7 ft^3/s, July 23, 1980, caused by unusual regulation.

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 18	1645	*2,780	*4.45	Jun 4	0130	1,640	3.49
Apr 13	2115	2,530	4.26				

Minimum daily discharge, 19 ft^3/s, Sept. 14 and 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	87	178	93	64	e82	402	264	81	62	36	27
2	32	74	141	88	63	e76	364	240	244	153	36	33
3	32	61	99	85	64	e70	350	220	1300	93	34	33
4	31	55	100	83	63	67	e356	199	1370	70	34	32
5	31	55	82	84	64	65	e468	183	752	62	34	33
6	48	64	77	85	65	70	e672	170	424	58	39	33
7	86	73	70	83	64	69	763	155	261	53	38	32
8	70	64	58	82	68	67	828	142	181	51	36	28
9	56	58	52	80	70	69	847	132	142	50	34	25
10	49	61	47	79	73	71	1550	123	119	51	34	23
11	45	335	47	76	e73	71	1850	117	146	76	32	23
12	39	306	61	76	e72	71	1820	110	194	96	28	21
13	37	187	67	74	e70	76	2480	109	259	95	28	20
14	36	144	63	73	e70	84	2320	106	170	79	28	19
15	32	539	60	72	e76	96	2100	97	128	104	33	20
16	30	498	60	73	e74	111	1770	98	105	132	27	20
17	32	276	574	71	e77	125	1550	99	95	95	26	20
18	42	183	2460	68	e76	145	1350	95	215	80	26	21
19	202	140	e1340	69	e73	e161	1010	92	160	73	26	20
20	180	119	e676	69	e71	e207	874	86	114	66	26	19
21	103	112	e410	68	e70	e276	864	82	89	59	26	31
22	76	104	e288	64	e69	e534	1010	78	78	53	26	43
23	63	93	e221	64	e68	e1230	1180	76	81	50	26	44
24	56	76	e180	64	66	e1110	987	74	121	46	26	38
25	53	69	e145	64	66	e1030	801	70	223	45	21	44
26	50	85	e119	62	79	e876	587	66	119	45	26	105
27	48	393	e99	62	88	e791	452	70	85	53	24	86
28	46	417	94	62	87	e685	385	109	71	51	23	56
29	42	297	89	59	---	558	327	140	62	46	22	42
30	47	226	85	61	---	485	290	127	57	40	22	35
31	72	---	93	63	---	407	---	95	---	37	21	---
TOTAL	1799	5251	8135	2256	1983	9835	30607	3824	7446	2124	898	1026
MEAN	58.0	175	262	72.8	70.8	317	1020	123	248	68.5	29.0	34.2
MAX	202	539	2460	93	88	1230	2480	264	1370	153	39	105
MIN	30	55	47	59	63	65	290	66	57	37	21	19
CFSM	.41	1.24	1.86	.52	.50	2.25	7.24	.87	1.76	.49	.21	.24
IN.	.47	1.39	2.15	.60	.52	2.59	8.08	1.01	1.96	.56	.24	.27

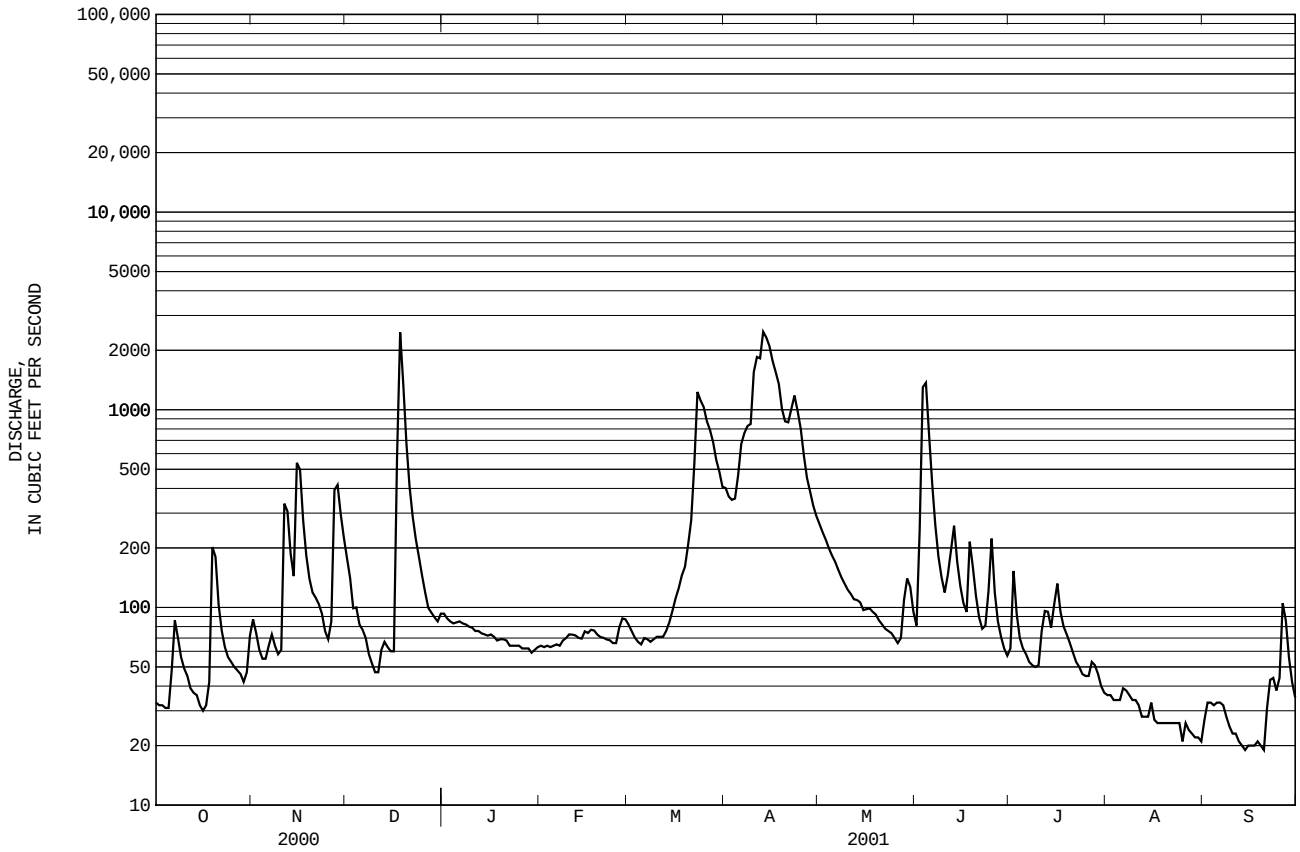
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2001, BY WATER YEAR (WY)

MEAN	145	308	305	230	238	556	746	318	185	92.4	74.9	86.9
MAX	682	851	1210	704	658	1603	1372	1085	739	434	679	822
(WY)	1978	1984	1974	1978	1970	1977	1993	1989	1998	1996	1991	1954
MIN	32.0	42.8	52.1	52.5	48.8	121	210	91.6	48.4	26.1	19.7	18.7
(WY)	1966	1979	1979	1981	1980	1956	1985	1985	1985	1965	1965	1965

e Estimated

01060000 ROYAL RIVER AT YARMOUTH, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1950 - 2001	
ANNUAL TOTAL	87527		75184			
ANNUAL MEAN	239		206		273	
HIGHEST ANNUAL MEAN					480	1984
LOWEST ANNUAL MEAN					132	1965
HIGHEST DAILY MEAN	2520	Mar 29	2480	Apr 13	9980	Mar 13 1977
LOWEST DAILY MEAN	30	Oct 16	19	Sep 14	5.7	Jul 23 1980
ANNUAL SEVEN-DAY MINIMUM	32	Sep 9	20	Sep 14	17	Sep 24 1965
MAXIMUM PEAK FLOW			2780	Dec 18	11500	Mar 13 1977
MAXIMUM PEAK STAGE			4.45	Dec 18	8.46	Mar 13 1977
ANNUAL RUNOFF (CFSM)	1.70		1.46		1.94	
ANNUAL RUNOFF (INCHES)	23.09		19.84		26.33	
10 PERCENT EXCEEDS	592		536		635	
50 PERCENT EXCEEDS	108		74		120	
90 PERCENT EXCEEDS	41		31		42	



01063310 STONY BROOK AT EAST SEBAGO, ME

LOCATION.--Lat 43°51'22", long 70°38'25", Cumberland County, Hydrologic Unit 01060001, on left bank at upstream side of culvert under State Highways 11 and 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.

GAGES.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 275.35 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good, except for periods of ice effect, Dec. 19-20, 30-31, and Feb. 6, and period of doubtful stage-discharge relation, Nov. 10-13, which are fair. Satellite gage-height 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.

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. 12	2115	*18	*5.13	No other peak greater than base discharge.			

Minimum discharge, 0.01 ft^3/s, Sept. 18-19, gage height, 3.45 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.11	.38	1.0	1.0	.66	.54	2.2	2.8	.76	.53	.15	.12
2	.09	.34	.88	1.0	.64	.50	2.1	2.5	4.9	.65	.11	.05
3	.08	.31	.72	1.0	.63	.52	2.2	2.3	7.2	.40	.11	.04
4	.07	.58	.63	.98	.60	.49	2.4	2.2	4.5	.33	.11	.05
5	.08	.70	.57	.96	.56	.51	3.2	1.8	2.8	.29	.10	.04
6	.44	.40	.55	.97	e.79	.51	3.9	1.3	1.9	.26	.10	.04
7	.32	.39	.51	.93	.66	.54	4.3	1.0	1.5	.22	.09	.03
8	.30	.39	.45	.90	.64	.53	4.6	.93	1.2	.23	.08	.03
9	.27	.73	.38	.89	.64	.53	5.9	.88	.95	.23	.06	.03
10	.27	e1.0	.33	.88	.69	.56	8.9	1.0	1.1	.39	.06	.02
11	.25	e2.6	.36	.85	.69	.54	9.4	1.0	.85	.62	.05	.02
12	.21	e2.0	.61	.83	.63	.55	12	1.0	.64	.58	.05	.01
13	.19	e1.5	.51	.80	.63	.49	16	.98	.69	.48	.07	.01
14	.20	1.3	.49	.78	.61	.67	16	.92	.55	.68	.06	.02
15	.19	2.4	.47	.77	.62	.82	15	.70	.50	.73	.05	.01
16	.19	1.9	.48	.77	.59	.87	15	.68	.48	.77	.04	.01
17	.24	1.5	3.7	.77	.59	.90	14	.75	.57	.98	.05	.01
18	.41	1.2	11	.74	.53	.94	12	.75	.66	.64	.04	.01
19	1.1	1.4	e4.6	.74	.51	1.0	9.0	.78	.49	.47	.03	.01
20	.89	1.0	e3.3	.73	.57	1.3	8.4	.73	.40	.37	.05	.01
21	.74	.81	2.7	.72	.55	1.5	8.6	.70	.34	.29	.05	.09
22	.51	.70	2.4	.68	.52	2.2	10	.66	.34	.23	.04	.05
23	.45	.62	2.0	.67	.54	3.0	11	.61	.45	.20	.04	.03
24	.41	.53	1.7	.65	.51	3.1	8.3	.57	.47	.16	.03	.03
25	1.9	.47	1.5	.64	.51	3.3	6.8	.53	.44	.15	.03	.17
26	1.3	.75	1.2	.62	.60	3.3	5.5	.51	.40	.25	.03	.14
27	.53	2.0	1.1	.62	.64	3.2	4.5	.75	.31	.17	.03	.07
28	.37	1.7	1.1	.60	.59	3.1	3.9	1.2	.26	.15	.03	.06
29	.30	1.4	1.0	.59	---	2.9	3.4	1.8	.23	.14	.03	.06
30	.31	1.2	e.93	.62	---	2.6	3.1	1.1	.21	.15	.03	.05
31	.49	---	e1.0	.69	---	2.4	---	.87	---	.15	.03	---
TOTAL	13.21	32.20	48.17	24.39	16.94	43.91	231.6	34.30	36.09	11.89	1.83	1.32
MEAN	.43	1.07	1.55	.79	.61	1.42	7.72	1.11	1.20	.38	.059	.044
MAX	1.9	2.6	11	1.0	.79	3.3	16	2.8	7.2	.98	.15	.17
MIN	.07	.31	.33	.59	.51	.49	2.1	.51	.21	.14	.03	.01
CFSM	.53	1.33	1.92	.97	.75	1.75	9.53	1.37	1.49	.47	.07	.05
IN.	.61	1.48	2.21	1.12	.78	2.02	10.64	1.58	1.66	.55	.08	.06

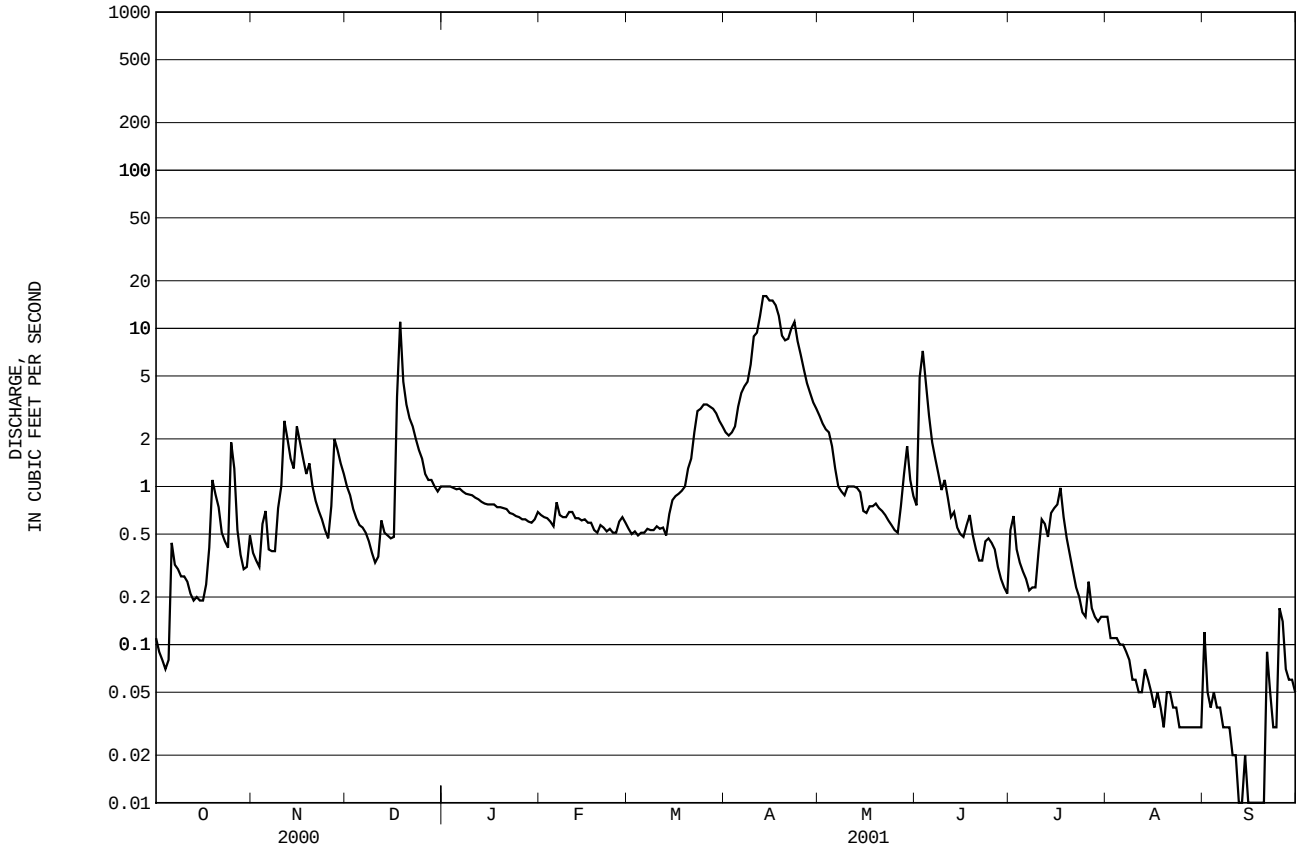
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	1.91	1.83	1.81	1.65	1.76	4.51	5.17	2.10	1.70	.76	.39	.95
MAX	4.86	3.03	4.72	2.41	2.86	8.23	7.72	3.41	6.18	1.55	.80	4.51
(WY)	1997	1996	1997	1996	1996	1999	2001	1996	1998	1998	2000	1999
MIN	.28	1.07	.91	.79	.61	1.42	2.80	1.11	.33	.20	.059	.044
(WY)	1998	2001	1998	2001	2001	2001	1999	2001	1999	1999	2001	2001

e Estimated

01063310 STONY BROOK AT EAST SEBAGO, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	635.06		495.85			
ANNUAL MEAN	1.74		1.36		2.04	
HIGHEST ANNUAL MEAN					2.38	1999
LOWEST ANNUAL MEAN					1.36	2001
HIGHEST DAILY MEAN	17	Mar 28	16	Apr 13	66	Sep 17 1999
LOWEST DAILY MEAN	.07	Oct 4	.01	Sep 12	.01	Sep 12 2001
ANNUAL SEVEN-DAY MINIMUM	.12	Sep 29	.01	Sep 12	.01	Sep 12 2001
MAXIMUM PEAK FLOW			18	Apr 12	130	Sep 17 1999
MAXIMUM PEAK STAGE			5.13	Apr 12	7.86	Sep 17 1999
INSTANTANEOUS LOW FLOW			.01	Sep 18	.01	Sep 18 2001
ANNUAL RUNOFF (CFSM)	2.14		1.68		2.52	
ANNUAL RUNOFF (INCHES)	29.17		22.77		34.25	
10 PERCENT EXCEEDS	4.3		3.1		4.6	
50 PERCENT EXCEEDS	.89		.62		1.1	
90 PERCENT EXCEEDS	.24		.05		.17	



01063995 SEBAGO LAKE NEAR NORTH WINDHAM, ME

LOCATION.--Lat 43°46'40", long 70°30'23", Cumberland County, Hydrologic Unit 01060001, 4.5 miles south of Sebago Lake outlet, 0.2 miles west of State Route 35.

DRAINAGE AREA.--440 mi^2.

PERIOD OF RECORD.--Elevation: November 2000 to September 2001

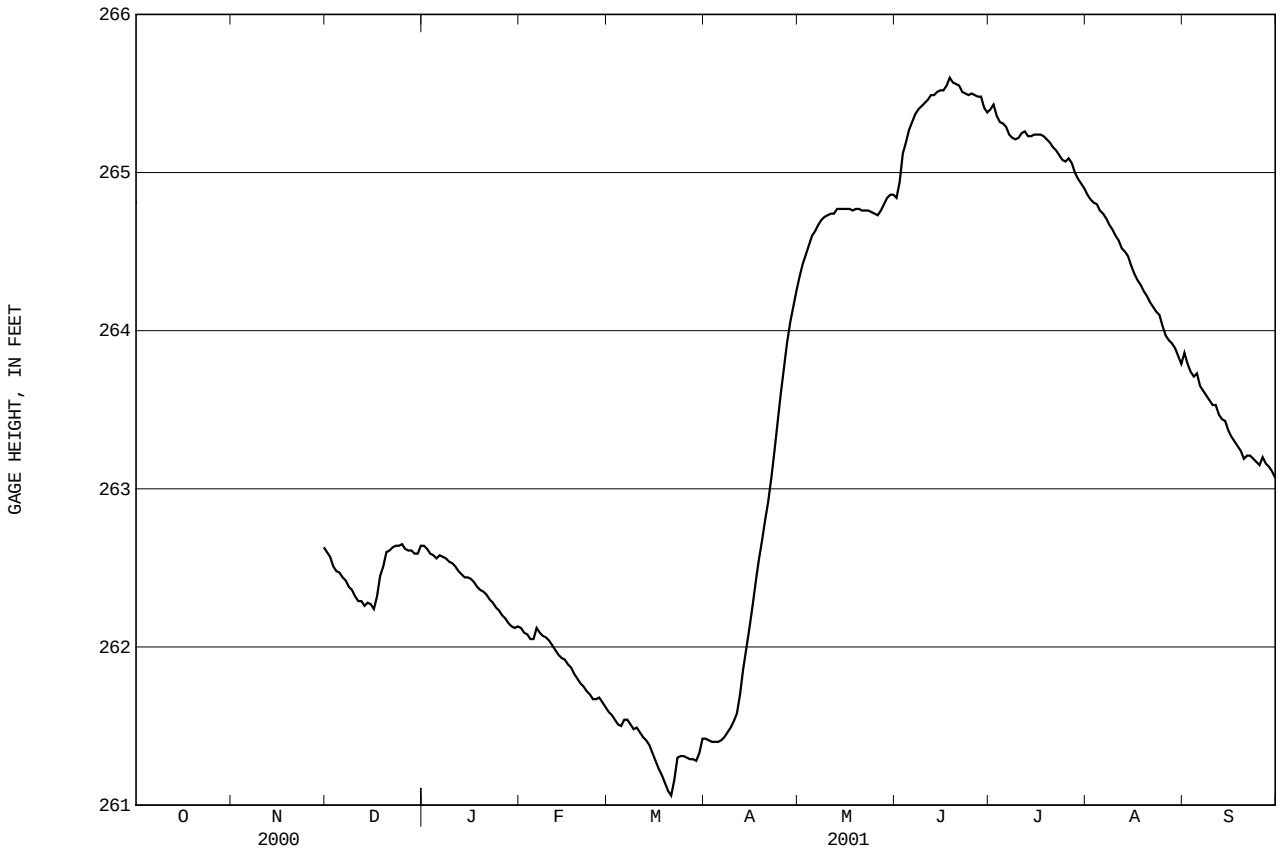
GAGE.--Water-stage recorder. Datum of gage is at National Geodetic Vertical Datum of 1929.

REMARKS.--Satellite gage-height telemeter at station.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	262.60	262.64	262.12	261.59	261.42	264.34	264.84	265.40	264.86	263.86
2	---	---	262.57	262.62	262.09	261.57	261.41	264.42	264.94	265.43	264.83	263.79
3	---	---	262.51	262.59	262.08	261.54	261.40	264.48	265.12	265.36	264.81	263.74
4	---	---	262.48	262.58	262.05	261.51	261.40	264.54	265.19	265.32	264.80	263.71
5	---	---	262.47	262.56	262.05	261.50	261.40	264.60	265.27	265.31	264.76	263.73
6	---	---	262.44	262.58	262.12	261.54	261.41	264.63	265.32	265.29	264.74	263.65
7	---	---	262.42	262.57	262.09	261.54	261.43	264.67	265.37	265.24	264.71	263.62
8	---	---	262.38	262.56	262.07	261.51	261.46	264.70	265.40	265.22	264.67	263.59
9	---	---	262.36	262.54	262.06	261.48	261.49	264.72	265.42	265.21	264.64	263.56
10	---	---	262.32	262.53	262.04	261.49	261.53	264.73	265.44	265.22	264.60	263.53
11	---	---	262.29	262.51	262.01	261.46	261.58	264.74	265.46	265.25	264.57	263.53
12	---	---	262.29	262.48	261.98	261.43	261.70	264.74	265.49	265.26	264.52	263.47
13	---	---	262.26	262.46	261.95	261.41	261.86	264.77	265.49	265.23	264.50	263.44
14	---	---	262.28	262.44	261.93	261.38	261.99	264.77	265.51	265.23	264.47	263.43
15	---	---	262.27	262.44	261.92	261.33	262.12	264.77	265.52	265.24	264.41	263.37
16	---	---	262.24	262.43	261.89	261.28	262.26	264.77	265.52	265.24	264.36	263.33
17	---	---	262.32	262.41	261.87	261.23	262.41	264.77	265.55	265.24	264.32	263.30
18	---	---	262.45	262.38	261.83	261.19	262.55	264.76	265.60	265.23	264.29	263.27
19	---	---	262.51	262.36	261.80	261.14	262.67	264.77	265.57	265.21	264.25	263.24
20	---	---	262.60	262.35	261.77	261.09	262.80	264.77	265.56	265.19	264.22	263.19
21	---	---	262.61	262.33	261.75	261.06	262.92	264.76	265.55	265.16	264.18	263.21
22	---	---	262.63	262.30	261.72	261.16	263.07	264.76	265.51	265.14	264.15	263.21
23	---	---	262.64	262.28	261.70	261.30	263.24	264.76	265.50	265.11	264.12	263.19
24	---	---	262.64	262.25	261.67	261.31	263.42	264.75	265.49	265.08	264.10	263.17
25	---	---	262.65	262.23	261.67	261.31	263.60	264.74	265.50	265.07	264.03	263.15
26	---	---	262.62	262.20	261.68	261.30	263.76	264.73	265.49	265.09	263.97	263.20
27	---	---	262.61	262.18	261.65	261.29	263.92	264.76	265.48	265.06	263.94	263.16
28	---	---	262.61	262.15	261.62	261.29	264.05	264.80	265.48	265.00	263.92	263.14
29	---	---	262.59	262.13	---	261.28	264.15	264.84	265.41	264.96	263.89	263.11
30	---	262.63	262.59	262.12	---	261.33	264.25	264.86	265.38	264.93	263.84	263.07
31	---	---	262.64	262.13	---	261.42	---	264.86	---	264.90	263.79	---
MEAN	---	262.63	262.48	262.40	261.90	261.36	262.42	264.71	265.41	265.19	264.36	263.40
MAX	---	262.63	262.65	262.64	262.12	261.59	264.25	264.86	265.60	265.43	264.86	263.86
MIN	---	262.63	262.24	262.12	261.62	261.06	261.40	264.34	264.84	264.90	263.79	263.07

01063995 SEBAGO LAKE NEAR NORTH WINDHAM, ME--Continued



01064118 PRESUMPSCOT RIVER AT WESTBROOK, ME

LOCATION.--Lat 43°41'13", long 70°20'49", Cumberland County, Hydrologic Unit 01060001, on right bank, 0.4 miles down stream from Cumerland Street Bridge in Westbrook, at SAPPI Fine Paper bridge.

DRAINAGE AREA.--577 mi^2.

PERIOD OF RECORD.--Gage height: Novermber 1998 to current year.

Discharge: October 1975 to September 1995. Prior to October 1984, published as "near West Falmouth".

GAGES.--Water-stage recorder. Datum of gage 13.42 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage height effect by regulation of Sebago Lake and many small power plants upstream. Satellite gage-height telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of Oct. 22, 1996 reached a stage of 34.10 ft, from floodmarks.

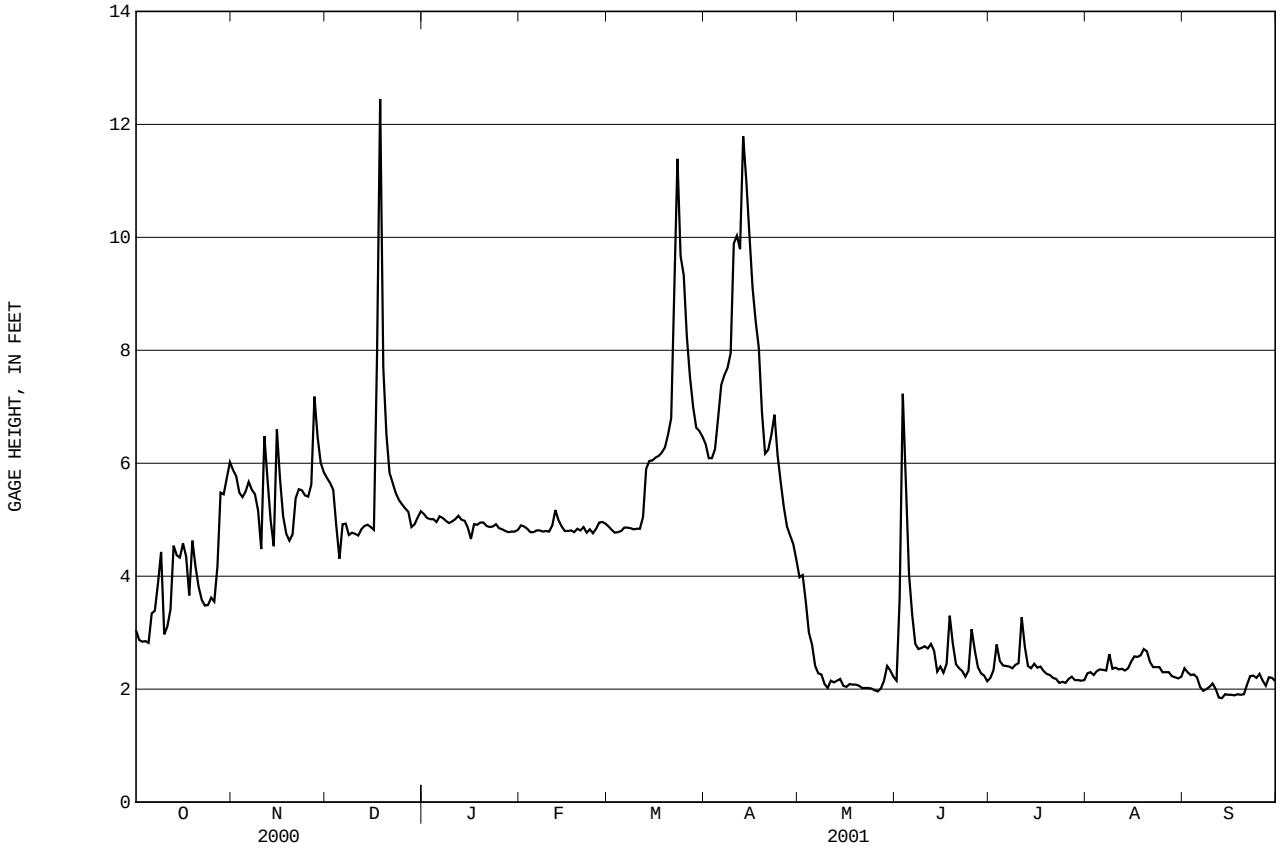
EXTREMES FOR PERIOD OF RECORD.--Maximum gage-height, 18.32 ft, Sept. 17, 1999; minimum gage-height, 2.06 ft, July 20, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 14.04 ft, Dec. 18; minimum gage height, 1.74 ft, Sept. 17.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.04	5.88	5.74	5.10	4.90	4.88	6.34	3.98	2.15	2.20	2.28	2.37
2	2.87	5.77	5.65	5.03	4.88	4.82	6.09	4.02	3.60	2.34	2.30	2.30
3	2.84	5.48	5.53	5.01	4.84	4.77	6.09	3.55	7.23	2.79	2.25	2.25
4	2.85	5.40	4.88	5.01	4.78	4.78	6.25	3.00	5.64	2.50	2.32	2.26
5	2.82	5.50	4.31	4.96	4.78	4.80	6.81	2.79	4.03	2.42	2.35	2.21
6	3.34	5.67	4.92	5.06	4.81	4.86	7.39	2.41	3.32	2.41	2.34	2.04
7	3.39	5.53	4.93	5.03	4.81	4.86	7.56	2.28	2.80	2.40	2.33	1.97
8	3.87	5.45	4.73	4.98	4.79	4.85	7.69	2.26	2.71	2.37	2.62	2.00
9	4.43	5.16	4.77	4.94	4.80	4.83	7.95	2.09	2.73	2.43	2.36	2.04
10	2.97	4.48	4.75	4.97	4.79	4.84	9.89	2.02	2.76	2.46	2.38	2.10
11	3.11	6.48	4.72	5.01	4.90	4.84	10.03	2.15	2.72	3.27	2.35	2.00
12	3.41	5.72	4.83	5.07	5.17	5.05	9.79	2.12	2.80	2.75	2.36	1.85
13	4.54	4.99	4.89	5.00	4.99	5.90	11.79	2.15	2.68	2.41	2.33	1.84
14	4.37	4.53	4.91	4.98	4.88	6.04	11.00	2.18	2.31	2.37	2.37	1.91
15	4.33	6.60	4.87	4.86	4.80	6.05	10.04	2.06	2.40	2.45	2.49	1.90
16	4.58	5.72	4.82	4.66	4.80	6.10	9.11	2.04	2.29	2.38	2.58	1.90
17	4.35	5.06	7.91	4.92	4.81	6.13	8.51	2.09	2.45	2.40	2.57	1.89
18	3.66	4.75	12.45	4.91	4.78	6.19	8.04	2.08	3.30	2.32	2.60	1.91
19	4.63	4.63	7.69	4.95	4.84	6.28	6.90	2.08	2.80	2.27	2.71	1.90
20	4.17	4.74	6.51	4.95	4.81	6.51	6.17	2.06	2.44	2.25	2.67	1.91
21	3.81	5.38	5.83	4.89	4.87	6.80	6.24	2.02	2.37	2.20	2.48	2.08
22	3.58	5.54	5.65	4.87	4.77	9.10	6.50	2.02	2.32	2.18	2.39	2.23
23	3.48	5.52	5.47	4.88	4.83	11.39	6.86	2.02	2.22	2.11	2.39	2.24
24	3.49	5.43	5.35	4.92	4.76	9.67	6.14	2.01	2.33	2.13	2.39	2.20
25	3.62	5.41	5.27	4.85	4.84	9.33	5.66	1.98	3.06	2.11	2.30	2.27
26	3.55	5.62	5.20	4.83	4.95	8.24	5.22	1.96	2.69	2.18	2.30	2.15
27	4.17	7.18	5.14	4.80	4.96	7.53	4.88	2.01	2.39	2.22	2.30	2.06
28	5.48	6.47	4.87	4.78	4.93	7.00	4.72	2.15	2.28	2.16	2.23	2.21
29	5.45	6.01	4.92	4.79	---	6.63	4.57	2.41	2.24	2.16	2.21	2.20
30	5.74	5.84	5.04	4.79	---	6.57	4.29	2.33	2.14	2.15	2.19	2.14
31	6.02	---	5.15	4.82	---	6.47	---	2.22	---	2.16	2.22	---
MEAN	3.93	5.53	5.54	4.92	4.85	6.33	7.28	2.34	2.91	2.35	2.39	2.08
MAX	6.02	7.18	12.45	5.10	5.17	11.39	11.79	4.02	7.23	3.27	2.71	2.37
MIN	2.82	4.48	4.31	4.66	4.76	4.77	4.29	1.96	2.14	2.11	2.19	1.84

01064118 PRESUMPSCOT RIVER AT WESTBROOK, ME--Continued



01064500 SACO RIVER NEAR CONWAY, NH

LOCATION.--Lat 43°59'27", long 71°05'29", Carroll County, Hydrologic Unit 01060002, on left bank at Odell Falls 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 WSP1301. 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, Nov. 24-26, Dec. 1-16, and Dec. 20 to Apr. 12, which are fair. Satellite gage-height 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)
Dec 18	0545	*20,300	*10.93	Apr 25	0100	14,000	9.45

Minimum discharge, 79 ft^3/s, Sept. 17-20, gage height, 1.84 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	265	e495	e529	e305	e257	e279	3290	627	265	143	115
2	160	283	e428	e512	e283	e257	e271	4870	1310	289	137	127
3	158	281	e395	e496	e280	e254	e261	5380	4410	264	127	117
4	154	266	e388	e485	e254	e241	e261	5330	3160	243	123	106
5	154	342	e372	e469	e290	e252	e291	4080	2050	384	257	104
6	278	534	e341	e454	e284	e266	e323	2590	1560	323	192	106
7	441	384	e269	e437	e322	e282	e382	1990	1240	260	155	98
8	298	362	e209	e418	e308	e269	e464	1790	1010	251	136	93
9	257	382	e207	e405	e298	e278	e523	1730	856	265	125	91
10	233	413	e223	e391	e332	e274	e862	1740	759	267	121	87
11	213	1590	e293	e376	e328	e268	e1230	1690	690	277	114	88
12	199	1290	e380	e378	e324	e254	e1350	1620	741	272	112	90
13	194	856	e380	e360	e385	e265	2860	1800	701	251	110	90
14	198	716	e350	e377	e321	e282	2930	1290	603	235	107	85
15	199	1490	e325	e356	e300	e274	2220	1080	532	223	104	83
16	192	1100	e316	e349	e283	e274	2180	992	477	226	100	82
17	202	833	2340	e346	e277	e264	2230	951	449	219	98	81
18	234	696	12200	e318	e249	e255	2160	889	541	242	102	79
19	659	592	3150	e323	e291	e253	1810	863	439	218	104	79
20	481	529	e2060	e319	e288	e259	1760	851	387	198	102	80
21	351	494	e1560	e302	e271	e284	2170	777	354	183	111	182
22	294	461	e1320	e292	e233	e311	4780	729	336	173	134	362
23	264	415	e1130	e281	e309	e335	8380	695	337	165	125	216
24	247	e341	e964	e313	e277	e335	9550	649	430	158	111	165
25	236	e328	e824	e310	e262	e325	9120	597	402	149	102	611
26	228	e358	e720	e286	e286	e300	4690	547	336	158	97	2170
27	221	585	e660	e314	e275	e291	3920	561	300	165	95	671
28	209	724	e619	e298	e269	e281	3610	763	273	153	96	409
29	198	596	e586	e267	---	e274	2890	1090	249	145	98	416
30	199	538	e567	e291	---	e282	2570	812	244	140	94	310
31	226	---	e546	e315	---	e284	---	661	---	138	91	---
TOTAL	7742	18044	34617	11367	8184	8580	76327	52697	25803	6899	3723	7393
MEAN	250	601	1117	367	292	277	2544	1700	860	223	120	246
MAX	659	1590	12200	529	385	335	9550	5380	4410	384	257	2170
MIN	154	265	207	267	233	241	261	547	244	138	91	79
CFSM	.65	1.56	2.90	.95	.76	.72	6.61	4.42	2.23	.58	.31	.64
IN.	.75	1.74	3.34	1.10	.79	.83	7.37	5.09	2.49	.67	.36	.71

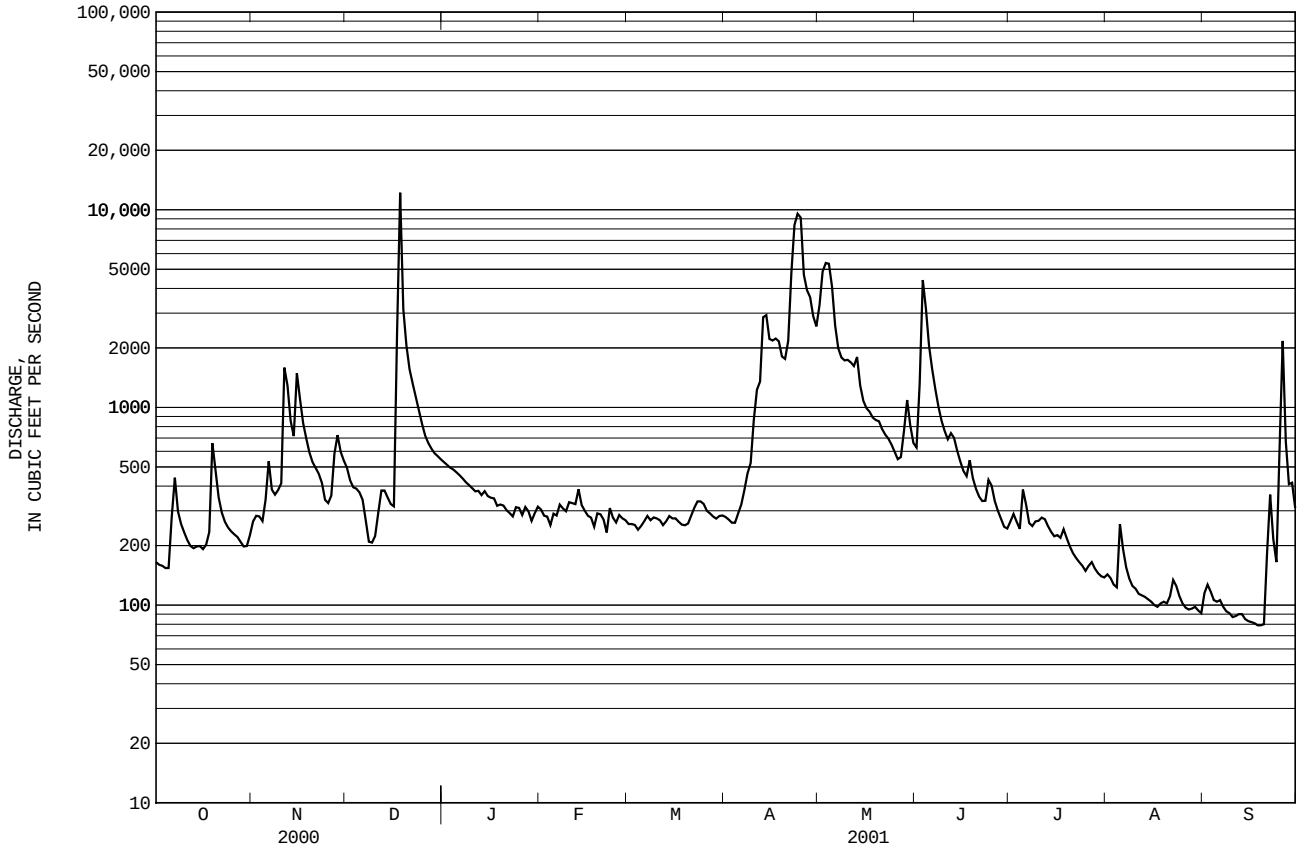
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2001, BY WATER YEAR (WY)

MEAN	645	956	765	574	510	969	2626	2230	845	440	355	391
MAX	2369	2493	2656	1887	3170	5986	4564	4609	3644	2043	1685	1794
(WY)	1978	1908	1974	1986	1981	1936	1987	1940	1998	1973	1990	1954
MIN	114	211	152	144	124	146	871	614	300	158	120	102
(WY)	1948	1909	1956	1940	1940	1940	1995	1941	1964	1991	2001	1948

e Estimated

01064500 SACO RIVER NEAR CONWAY, NH--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1904 - 2001	
ANNUAL TOTAL	338061		261376			
ANNUAL MEAN	924		716		943	
HIGHEST ANNUAL MEAN					1463	1973
LOWEST ANNUAL MEAN					489	1965
HIGHEST DAILY MEAN	12200	Dec 18	12200	Dec 18	33900	Mar 19 1936
LOWEST DAILY MEAN	141	Sep 11	79	Sep 18	66	Aug 4 1959
ANNUAL SEVEN-DAY MINIMUM	147	Sep 8	81	Sep 14	74	Aug 3 1959
MAXIMUM PEAK FLOW			20300	Dec 18	47200	Mar 27 1953
MAXIMUM PEAK STAGE			10.93	Dec 18	19.03	Mar 7 1979
INSTANTANEOUS LOW FLOW			79	Sep 17	40	Mar 16 1932
ANNUAL RUNOFF (CFSM)	2.40		1.86		2.45	
ANNUAL RUNOFF (INCHES)	32.66		25.26		33.27	
10 PERCENT EXCEEDS	2110		1730		2190	
50 PERCENT EXCEEDS	412		308		460	
90 PERCENT EXCEEDS	202		115		184	



01066000 SACO RIVER AT CORNISH, ME

LOCATION.--Lat 43°48'29", long 70°46'53", Cumberland County, Hydrologic Unit 01060002, on left bank 300 ft upstream from Route 117 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, non recording gage at bridge 300 ft downstream at datum approximately 1.2 ft higher.

REMARKS.--Records good, except for periods of ice effect, Dec. 7-17 and Dec. 24 to Apr. 8, which are fair. Flow partly regulated by power plants 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 gage-height telemeter at station.Gage is operated in conjunction with a co-located precipitation gage. Records for precipitation are located at the end of the 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, 15,800 ft^3/s, Apr. 26, gage height, 10.70 ft; minimum daily discharge, 287 ft^3/s, Sept. 18, and 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	457	641	1800	e2870	e1130	e1040	e1430	10200	1970	918	566	370
2	444	651	1830	e2780	e1110	e997	e1770	9270	2230	1320	557	363
3	449	566	1740	e2660	e1050	e977	e1750	8600	4080	868	512	355
4	432	605	1560	e2590	e1100	e909	e1810	8250	5030	704	465	357
5	446	669	1470	e2510	e1070	e903	e1870	8140	5020	1280	462	363
6	566	773	1520	e2370	e1030	e971	e1870	8030	4970	723	492	353
7	760	789	e1250	e2260	e948	e982	e2030	7730	4910	849	511	352
8	690	820	e1040	e2180	e999	e968	e2140	6900	4670	759	507	408
9	747	1000	e1090	e2150	e1030	e973	2480	6170	4310	908	485	408
10	1120	1070	e748	e2040	e1050	e982	2990	5350	3920	892	495	400
11	1160	1810	e756	e2060	e980	e982	3460	4720	3270	998	480	387
12	1110	2030	e1140	e1940	e1190	e954	4050	4400	2760	1070	453	330
13	1080	2250	e1310	e1850	e1140	e935	5440	4230	2600	1140	456	319
14	1060	2120	e1340	e1750	e1120	e1010	6720	3750	2530	1040	450	302
15	984	2560	e1280	e1730	e1150	e926	7670	3410	2120	1130	439	309
16	1020	2970	e1370	e1710	e1150	e894	8440	3290	1980	1050	430	288
17	925	3050	e1870	e1700	e946	e968	8880	3040	2510	919	430	288
18	1060	2830	4060	e1720	e1070	e989	9140	2870	2200	881	423	287
19	1290	2630	3810	e1690	e1120	e1090	9020	2640	1400	903	409	288
20	1270	2370	4490	e1640	e1040	e1080	8980	2470	1330	770	413	287
21	1250	2190	5410	e1630	e1020	e1180	9030	2360	1230	748	400	316
22	1130	2160	5290	e1610	e1020	e1370	9670	2080	1140	726	362	349
23	1110	1960	4880	e1660	e1010	e1780	10900	2080	1020	624	363	380
24	1010	1790	e4440	e1470	e1060	e1760	11700	2060	1070	752	370	391
25	1020	1680	e4320	e1420	e984	e2130	13400	1940	1110	586	411	406
26	944	1600	e3950	e1360	e997	e1940	15300	1870	1040	535	349	562
27	897	1770	e3730	e1300	e1000	e1760	15600	1830	1010	557	337	1270
28	756	1870	e3850	e1280	e997	e1590	14300	1710	945	554	342	1050
29	718	1960	e3610	e1180	---	e1540	12700	2020	909	572	358	851
30	713	1910	e3220	e1080	---	e1570	11300	2250	975	572	318	791
31	739	---	e2990	e1170	---	e1470	---	2150	---	568	340	---
TOTAL	27357	51094	81164	57360	29511	37620	215840	135810	74259	25916	13385	13180
MEAN	882	1703	2618	1850	1054	1214	7195	4381	2475	836	432	439
MAX	1290	3050	5410	2870	1190	2130	15600	10200	5030	1320	566	1270
MIN	432	566	748	1080	946	894	1430	1710	909	535	318	287

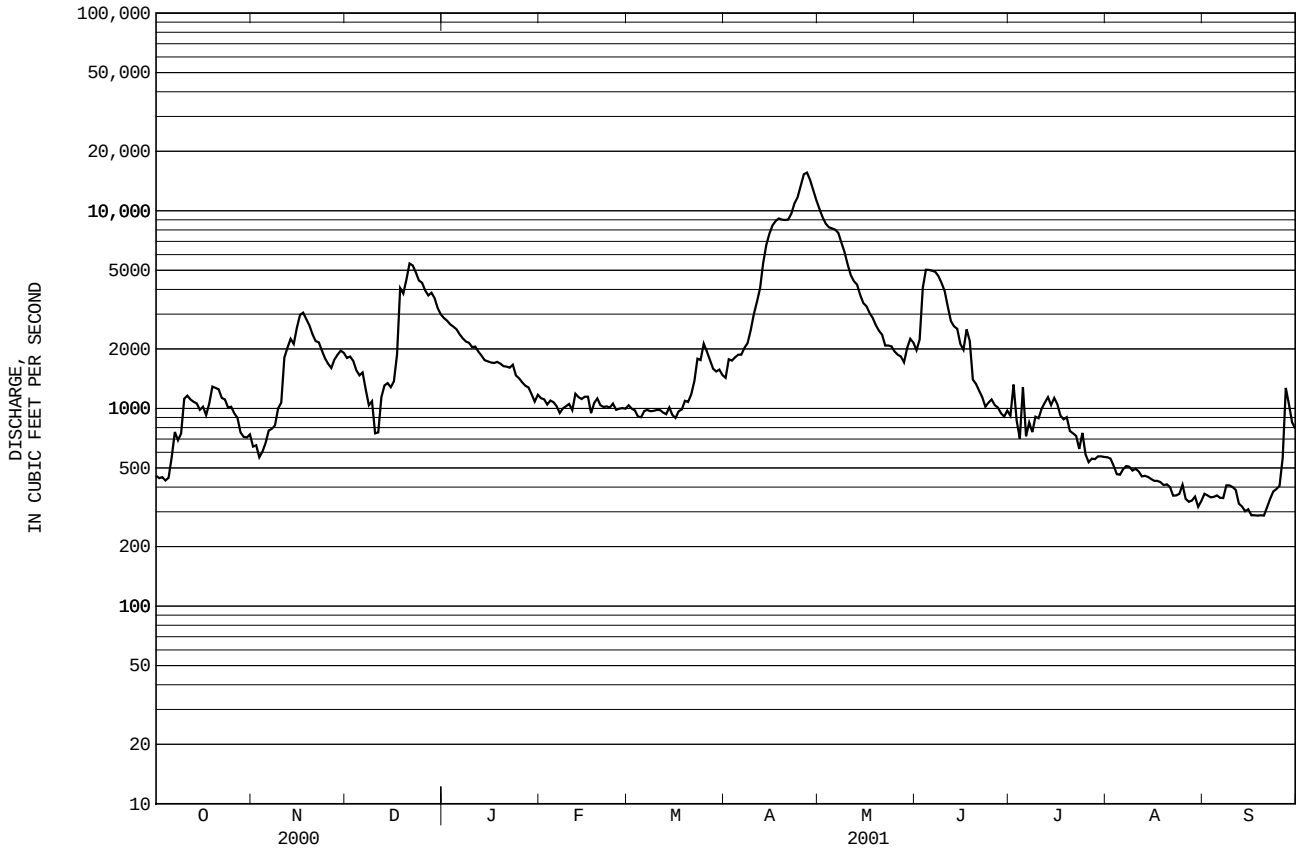
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 2001, BY WATER YEAR (WY)

MEAN	1531	2423	2554	1994	1937	3220	7338	5486	2580	1427	1055	1051
MAX	6887	7048	8630	5791	6258	16220	12740	11720	9008	6802	3425	5073
(WY)	1978	1996	1974	1978	1986	1936	1969	1937	1998	1973	1990	1954
MIN	406	608	560	528	615	805	2751	1707	860	486	424	342
(WY)	1948	1979	1948	1948	1918	1940	1995	1941	1964	1991	1949	1995

e Estimated

01066000 SACO RIVER AT CORNISH, ME--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1916 - 2001	
ANNUAL TOTAL	946892		762496			
ANNUAL MEAN	2587		2089		2712	
HIGHEST ANNUAL MEAN					4076	1973
LOWEST ANNUAL MEAN					1372	1965
HIGHEST DAILY MEAN	12600	Apr 7	15600	Apr 27	45600	Mar 21 1936
LOWEST DAILY MEAN	431	Sep 11	287	Sep 18	244	Oct 7 1964
ANNUAL SEVEN-DAY MINIMUM	450	Sep 8	293	Sep 14	293	Sep 14 2001
MAXIMUM PEAK FLOW			15800	Apr 26	46600	Mar 21 1936
MAXIMUM PEAK STAGE			10.70	Apr 26	21.90	Mar 21 1936
10 PERCENT EXCEEDS	5720		4690		6180	
50 PERCENT EXCEEDS	1580		1140		1690	
90 PERCENT EXCEEDS	648		410		672	



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 Dam at Milton, 4.2 miles east of Farmington, and 7.4 miles north of Rochester.

DRAINAGE AREA.--108 mi^2.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 405 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to October 2000, water-stage recorder at site 200 ft downstream at same datum.

REMARKS.--Records good, except for periods of doubtful stage-discharge relation, Dec. 18-20 and Mar. 22-23, which are fair. Flow regulated by Great East and Lovell Lakes, and Horn, Wilson, and Milton (also controls Northeast and Town House) Ponds. These reservoirs have a combined usable capacity, 1.28 billion ft^3.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,000 ft^3/s, Apr. 6, 1984, gage height, 6.70 ft; minimum daily discharge, 16 ft^3/s, Sept. 11, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,250 ft^3/s, Apr. 15, gage height, 4.94 ft; minimum daily discharge, 25 ft^3/s, Aug. 11-12 and Sept. 29-30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

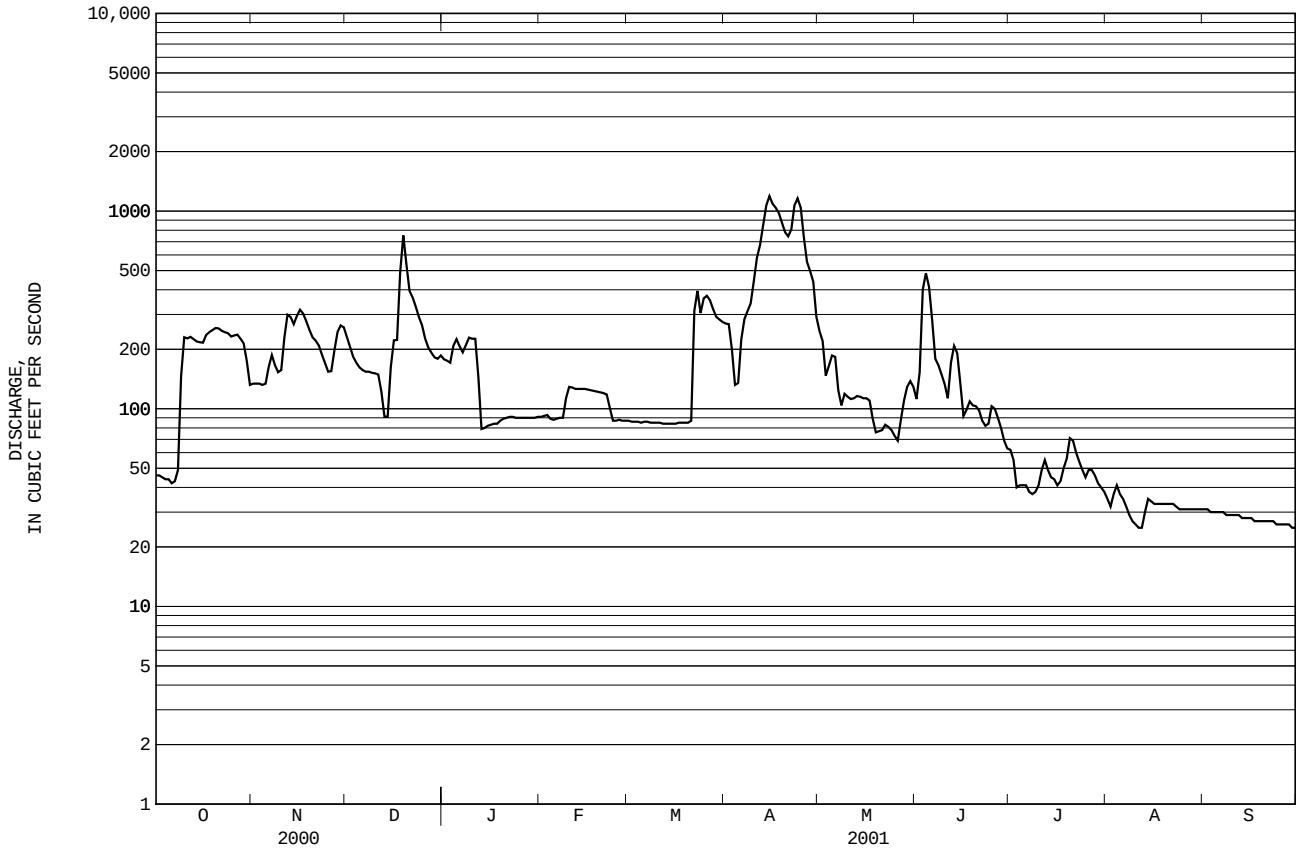
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	134	230	178	91	87	270	247	112	62	35	31
2	46	134	205	175	92	86	268	220	153	55	32	31
3	45	134	183	171	93	86	200	147	402	40	37	30
4	44	132	171	208	89	86	132	165	485	41	41	30
5	44	134	162	225	88	85	135	186	414	41	37	30
6	42	163	157	207	89	86	224	183	280	41	35	30
7	43	187	154	193	90	86	284	124	179	38	32	30
8	49	166	154	210	90	85	312	104	166	37	29	29
9	146	153	152	229	113	85	341	119	149	38	27	29
10	230	157	151	226	129	85	441	115	133	41	26	29
11	227	229	149	226	128	85	581	112	113	49	25	29
12	231	299	122	144	126	84	674	113	171	55	25	29
13	225	291	91	79	126	84	850	116	208	49	30	28
14	219	268	91	80	126	84	1070	115	191	45	35	28
15	217	295	162	82	126	84	1190	113	134	44	34	28
16	216	317	222	83	125	84	1090	113	92	41	33	28
17	236	303	223	84	124	85	1040	110	99	43	33	27
18	244	277	489	84	123	85	978	89	109	50	33	27
19	250	251	753	87	122	85	873	76	104	56	33	27
20	256	230	537	89	121	85	782	77	103	71	33	27
21	255	221	394	90	120	87	745	78	98	69	33	27
22	248	209	365	91	118	314	810	83	87	60	33	27
23	244	188	328	91	101	395	1070	81	82	54	32	27
24	241	170	291	90	87	305	1160	78	84	49	31	26
25	232	154	264	90	87	362	1040	73	103	45	31	26
26	235	155	226	90	88	373	737	69	100	49	31	26
27	237	198	204	90	87	354	554	88	90	49	31	26
28	226	245	192	90	87	319	497	110	80	46	31	26
29	214	264	182	90	---	292	440	129	69	42	31	25
30	174	258	179	90	---	283	292	138	63	40	31	25
31	132	---	186	91	---	275	---	129	---	38	31	---
TOTAL	5494	6316	7369	4053	2986	5061	19080	3700	4653	1478	991	838
MEAN	177	211	238	131	107	163	636	119	155	47.7	32.0	27.9
MAX	256	317	753	229	129	395	1190	247	485	71	41	31
MIN	42	132	91	79	87	84	132	69	63	37	25	25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2001, BY WATER YEAR (WY)

MEAN	181	198	225	178	189	318	437	221	134	67.7	60.7	76.0
MAX	499	487	604	384	439	720	908	431	650	181	165	162
(WY)	1978	1996	1984	1978	1970	1979	1969	1984	1998	1996	1982	1999
MIN	81.4	77.9	40.5	59.7	60.8	108	103	55.4	35.5	26.1	24.2	22.3
(WY)	1969	1987	1979	1977	1977	1993	1985	1985	1999	1991	1999	1993

01072100 SALMON FALLS RIVER AT MILTON, NH--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1969 - 2001	
ANNUAL TOTAL	68950		62019			
ANNUAL MEAN	188		170		190	
HIGHEST ANNUAL MEAN					307	1984
LOWEST ANNUAL MEAN					98.6	1985
HIGHEST DAILY MEAN	922	Apr 24	1190	Apr 15	3220	Mar 15 1977
LOWEST DAILY MEAN	29	Sep 14	25	Aug 11	16	Sep 11 1999
ANNUAL SEVEN-DAY MINIMUM	30	Sep 14	26	Sep 24	17	Sep 8 1999
MAXIMUM PEAK FLOW			1250	Apr 15	4000	Apr 6 1984
MAXIMUM PEAK STAGE			4.94	Apr 15	6.70	Apr 6 1984
10 PERCENT EXCEEDS	356		315		402	
50 PERCENT EXCEEDS	154		110		134	
90 PERCENT EXCEEDS	41		31		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.

Records collected at low-flow partial-record stations are presented in the following table. Discharge measurements made at special study and miscellaneous sites are given in a separate table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. These measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of a stream. The column headed “Period of record” shows the water years in which measurements were made at the same, or practically the same, site.

Measurements were made at several different sites, at other than base flow conditions. The measurements information is not included in the table, but can be obtained by contacting the U.S. Geological Survey at: Maine District Office, U.S. Geological Survey, Attn: Data Section Chief, 26 Ganneston Drive, Augusta, ME, 04330.

Discharge measurements made at low-flow partial-record stations during water year 2001

Stream	Tributary to	Location	Drainage area (mi^2)	Measured Previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
ST. JOHN RIVER BASIN						
Unnamed tributary 01012790	North Fork McLean Brook	Lat 47°13’31”, long 68°20’24”, Aroostook County, downstream end of culvert in Flat Mountains Road, 1.6 miles south of Route 162 near St. Agatha, Maine.	--	1999-2000	07-22-01 09-06-01	[a]0.15 [a]0.035
Unnamed tributary 01012800	East Fork Dickey Brook	Lat 47°14’38”, long 68°22’03”, Aroostook County, downstream end of culvert in Marquis Road, 0.8 miles south of Route 162 near St. Agatha, Maine.	--	1999-2000	07-22-01 09-06-01	0.10 [a]0.032
Unnamed tributary 01013550	Perley Brook	Lat 47°14’25”, long 68°32’32”, Aroostook County, downstream end of culvert in North Perley Brook Road, 1.9 mi east of Route 161, near Fort Kent, Maine.	--	1999-2000	07-22-01 09-06-01	[a]0.087 [a]0.018
Factory Brook 01014700	St. John River	Lat 47°21’09”, long 68°17’53”, Aroostook County, 12 ft upstream from culvert in U.S. Highway 1, 1/2 mi upstream from mouth and 1.1 mi east of Madawaska, Maine.	5.87	1994-95, 1997-2000	07-22-01 09-06-01	8.05 0.94
Unnamed Tributary 01015005	Hammond Brook	Lat 47°07’12”, long 67°57’49”, Aroostook County, downstream end of culvert in Route 1, 1.8 mi south of Van Buren, in Cyr Plantation, Maine.	0.46	1997-2000	07-22-01 09-06-01	0.56 [a]0.064
Unnamed tributary 01015007	St. John River	Lat 47°06’17”, long 67°53’12”, Aroostook County, downstream end of culvert in Route 1A, 4.2 mi south of the junction with Route 1 in Van Buren, Maine.	--	1999-2000	07-22-01 09-06-01	0.71 [a]0.043
Martin Brook 01015008	St. John River	Lat 47°04’55”, long 67°49’33”, Aroostook County, 100 ft below downstream end of culvert in Route 1A, 1.5 mi north of Hamlin, Maine.	--	1999-2000	07-22-01 09-06-01	8.81 1.94
Machias River 01016500	Aroostook River	Lat 46°37’42”, long 68°26’07”, Aroostook County, 100 ft upstream from highway bridge, 0.8 mi upstream from mouth, 1.5 mi west of Ashland, Maine.	329	1951-83[b], 1997-2000	07-21-01 08-02-01 09-06-01	241 99.0 26.4
Unnamed tributary 01017010	Aroostook River	Lat 46°45’19”, long 68°06’30”, Aroostook County, downstream end of culvert in Route 164, 2.6 mi east of the bridge over the Aroostook River in Washburn, 0.3 mi west of Cross Road in Crouseville, Maine.	--	1999-2000	07-22-01 09-06-01	[a]0.053 [a]0.026
Libby Brook 01017050	Presque Isle Stream	Lat 46°41’28”, long 68°10’46”, Aroostook County, downstream end of culvert in Wadell Road, 1.0 mi northwest of Mapleton, Maine.	2.60	1997-2000	07-22-01 09-06-01	[c]0.18 [a]0.099
Caribou Stream 01017115	Aroostook River	Lat 46°50’54”, long 68°02’34”, Aroostook County, under the bridge on Route 164 approximately 1.7 mi west of the junction with Route 161 in Caribou, Maine.	--	1999-2000	07-22-01 09-06-01	18.6 4.13
Brandy Brook 01017280	Little Madawaska River	Lat 46°55’28”, long 67°57’21”, Aroostook County, downstream end of culvert in Madawaska Road, approximately 1.7 mi north of Route 89, northeast of Caribou, Maine.	--	1999-2000	07-22-01 09-06-01	[a]0.034 0
Nichols Brook 01017295	Little Madawaska River	Lat 46°52’26”, long 67°54’09”, Aroostook County, 40 ft downstream of Murphy Road, at mouth, 4.6 mi southwest of Limestone, Maine.	1.47	1994-95, 1997-2000	07-22-01 09-06-01	0.58 0.15

Discharge measurements made at low-flow partial-record stations during water year 2001

Stream	Tributary to	Location	Drainage area (mi^2)	Measured Previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		ST. JOHN RIVER BASIN--Continued				
Nichols Brook 01017300	Little Madawaska River	Lat 46°51'29", long 67°56'19", Aroostook County, 30 ft downstream of Grimes Mill Road, 3.3 mi east of Caribou, Maine.	3.85	1994-95, 1997-2000	07-22-01 09-06-01	2.05 0.84
Ginn Brook 01017450	Hockenhull Brook	Lat 46°45'53", long 67°54'28", Aroostook County, downstream end of culvert in Ginn Road, 1.3 mi upstream from mouth, 4 mi west of Fort Fairfield, Maine.	6.00	1994-95, 1997-2000	07-22-01 09-06-01	2.06 2.15
Silver Spring Brook 01017515	Limestone Stream	Lat 46°55'12", long 67°49'42", Aroostook County, 100 ft below downstream end of culvert in an unnamed road just upstream of Route 1A, 0.5 mi north of the junction with Route 89 in Limestone, Maine.	--	1999-2000	07-22-01 09-06-01	0.43 [a]0.57
Hilt Brook 01017555	Rocky Brook	Lat 46°33'13", long 67°50'27", Aroostook County, 15 ft upstream of culvert in Kearney Road, 0.4 mi north of East Ridge Road, 3.5 mi northeast of Mars Hill, Maine.	--	1999-2000	07-22-01 08-02-01 09-06-01	0.72 0.45 0.38
Unnamed tributary 01017575	Prestile Stream	Lat 46°28'24", long 67°49'38", Aroostook County, downstream end of culvert in Robinson Road, 0.9 mi upstream from mouth, 0.6 mi east of Robinson, Maine.	0.59	1997-2000	07-22-01 08-02-01 09-06-01	[a]<0.001 [a]0.002 [a]0.033
Unnamed tributary 01017578	Prestile Stream	Lat 46°28' 25", long 67°48'47", Aroostook County, downstream end of culvert in Robinson Road, approximately 1.2 mi east of the crossing of Robinson Road over Prestile Stream, just east of the intersection of Robinson Road and Grass Road, near Mars Hill, Maine.	0.54	1997-2000	07-22-01 08-02-01 09-06-01	[a]0.027 0 0
Unnamed tributary 01017600	Young Brook	Lat 46°30'25", long 67°47'39", Aroostook County, downstream end of culvert in Mountain Road, 1.6 mi east of the Blaine Road, near Mars Hill, Maine.	--	1999-2000	07-22-01 08-02-01 09-06-01	[a]0.039 [a]0.023 [a]0.013
Young Brook 01017610	Prestile Stream	Lat 46°27'12", long 67°47'36", Aroostook County, 60 ft downstream of culvert in East Blaine Road, 0.4 mi north of the junction with Bridgewater Corner Road, near Bridgewater, Maine.	--	1999-2000	07-22-01 08-02-01 09-06-01	2.00 1.39 2.15
Marley Brook 01017900	Limestone Brook	Lat 46°08'42", long 68°03'42", Aroostook County, at culvert in U.S. Route 2, 0.4 mi upstream from mouth, and 1.1 mi west of Ludlow, Maine.	1.47	1964-82[b] 1994-95 1997-2000	07-22-01 08-02-01 09-06-01	[a]0.081 [a]0.065 [a]0.44
Meduxnekeag River 01018000	St. John River	Lat 46°06'17", long 67°52'00", Aroostook County, 0.3 mi downstream from mouth of South Branch Meduxnekeag River.	175	many	07-22-01 08-02-01 09-06-01	101 46.2 34.9
Big Brook 01018050	Meduxnekeag River	Lat 46°12'00", long 67°49'09", Aroostook County, at culvert in Carson Road, 0.9 mi upstream from mouth, and 2.4 mi southeast of Littleton, Maine.	13.5	1994-95, 1997-2000	07-22-01 08-02-01 09-06-01	4.21 2.47 5.82
Unnamed tributary 01018060	Meduxnekeag River	Lat 46°15'12", long 67°50'22", Aroostook County, at culvert at second tributary in Route 1 north of Littleton Station, Maine.	--	1999-2000	07-22-01 08-02-01 09-06-01	[c]0.046 [c]0.021 [c]0.061
Unnamed tributary 01018070	Meduxnekeag River	Lat 46°13'54", long 67°47'09", Aroostook County, 50 ft below culvert in Campbell Road, 2.6 mi east of Route 1 in Littleton, Maine.	--	1999-2000	07-22-01 08-02-01 09-06-01	1.71 0.44 1.96
Unnamed tributary 01018100	Dead Stream	Lat 46°19'02", long 67°48'02", Aroostook County, downstream end of culvert in Fletcher Road, 2 mi east of Route 1 near Monticello, Maine.	--	1999-2000	07-22-01 08-02-01 09-06-01	[c]0.20 [c]0.17 [c]0.33
		DENNYS RIVER BASIN				
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.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	1.46 0.33 0.02 0.01
Cathance Stream 01021225	Dennys River	Lat 44°53'07", long 67°19'02", Washington County, 150 ft upstream of the bridge on route 86, 2.1 mi upstream of inflow to Great Works Pond, in Marion, Maine.	---	2000	07-03-01 07-25-01 08-29-01 08-30-01 09-13-01 09-13-01	8.68 4.41 1.07 0.74 1.66 1.54

Discharge measurements made at low-flow partial-record stations during water year 2001

Stream	Tributary to	Location	Drainage area (mi^2)	Measured Previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
MACHIAS RIVER BASIN						
Crooked River 01021435	Machias River	Lat 44°55'41", long 67°52'09", Washington County, 40 ft downstream of bridge on unnamed road, 0.9 mi upstream of the confluence with the Machias River, near Beddington, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	4.21 6.11 2.55 1.31
Mopang Stream 01021452	Machias River	Lat 44°52'16", long 67°56'27", Washington County, 150 ft downstream of bridge on Route 9, 2.4 mi upstream of the confluence with Allen Brook, near Beddington, Maine.	---	2000	07-03-01 07-25-01 08-29-01 08-30-01 09-13-01	8.28 5.78 1.62 1.12 0.62
Larry Brook 01021458	Mopang Stream	Lat 44°48'11", long 67°49'45", Washington County, downstream end of culvert in unnamed road, 0.2 mi upstream from the confluence with Mopang Stream, near Brewster Corner, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	[a]0.008 [a]0.006 [a]0.001 0
Holmes Brook 01021472	Machias River	Lat 44°49'12", long 67°41'04", Washington County, 20 ft upstream of culvert in unnamed road, 1.7 mi upstream of the confluence with the Machias River, near Northfield, Maine.	---	2000	07-03-01 07-25-01 08-29-01 08-30-01 09-13-01	0.60 0.60 0.59 0.67 0.45
Dead Stream 01021475	Old Stream	Lat 44°59'24", long 67°49'24", Washington County, 120ft downstream of culvert in unnamed road, 3.0 mi upstream of the confluence with Old Stream, near Wesley, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	[c]0.06 [c]0.088 [c]0.004 [c]0.003
Honeymoon Brook 01021478	Old Stream	Lat 44°55'22", long 67°45'50", Washington County, 15ft upstream of the old Route 9 crossing, 2.5 mi upstream of the confluence with Old Stream, near Wesley, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	[a]0.035 [a]0.041 [a]0.040 [a]0.016
Grover Lake Outlet 01021479	Old Stream	Lat 44°56'38", long 67°43'40", Washington County, 25 ft below downstream end of culvert in unnamed road, 0.6 mi upstream of the confluence with Old Stream, near Wesley, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	0.34 0.31 0.27 0.21
Old Stream 01021485	Machais River	Lat 44°50'35", long 67°39'47", Washington County, 20 ft upstream of bridge on unnamed road, 1.4 mi downstream from the confluence with Dan Hill Brook near Northfield, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01 09-13-01	21.8 14.7 18.9 1.61 3.94
New Stream 01021488	Old Stream	Lat 44°53'52", long 67°40'09", Washington County, under downstream side of bridge on unnamed road, 0.4 mi upstream of the confluence with Huntley Brook, near Wesley, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	0.80 0.66 0.20 0.08
Harmon Brook 01021910	East Machias River	Lat 45°00'32", long 67°36'58", Washington County, 30 ft below downstream end of culvert in Birch Hill Road, 0.3 mi upstream of the confluence with the East Machias River, near Crawford, Maine.	---	2000	07-03-01 07-24-01 08-29-01 08-30-01 09-13-01	0.48 0.26 0.33 0.20 0.02
Northern Stream 01021960	Rocky Lake Stream	Lat 44°56'33", long 67°30'32", Washington County, downstream end of culvert in unnamed road, 1.9 mi downstream from the confluence with Creamer Brook, near Cooper, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	2.98 1.50 0.54 0.05
East Machias River 01022000	Machias River	Lat 44°46'05", long 67°24'30", Washington County, 20 ft upstream of the bridge on Route 191, just downstream from outlet of Hadley Lake, near East Machias, Maine.	---	1927-58[b], 2000	07-03-01 07-25-01 08-29-01 09-13-01	107 42.7 9.56 8.65
PLEASANT RIVER BASIN						
Pleasant River 01022220	Atlantic Ocean	Lat 44°46'08", long 67°55'23", Washington County, 12 ft upstream of bridge on unnamed road, 0.1 mi downstream from the confluence with Colonel Brook, near Crebo Flat, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	8.21 8.41 3.18 2.67

Discharge measurements made at low-flow partial-record stations during water year 2001

Stream	Tributary to	Location	Drainage area (mi^2)	Measured Previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
		PLEASANT RIVER BASIN--Continued				
Fred Dorr Brook 01022240	Taylor Branch	Lat 44°45'55", long 67°51'33", Washington County, downstream end of culvert in unnamed road, 0.9 mi upstream from the confluence with Taylor Branch, near Crebo Flat, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	[c]0.006 0 0 0
Little River 01022264	Pleasant River	Lat 44°41'53", long 67°44'16", Washington County, 40 ft upstream of bridge on unnamed road, 0.6 mi downstream from the confluence with Marst Brook, near Columbia Falls, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	1.44 1.56 1.24 0.85
		HARRINGTON RIVER BASIN				
Harrington River 01022270	Atlantic Ocean	Lat 44°38'04", long 67°49'46", Washington County, 25 ft upstream of bridge on unnamed road, 0.3 mi downstream from the confluence of Trout Brook and Dorr Brook, near Harrington, Maine.	---	2000	07-03-01 07-25-01 08-29-01 08-30-01 09-13-01	1.57 1.29 1.38 0.95 0.68
		NARRAGUAGUS RIVER BASIN				
Humpback Brook 01022286	Narraguagus River	Lat 44°53 06'", long 68°08'24", Hancock County, 30 ft below downstream end of culvert in unnamed road, 3.4 mi upstream of the confluence with Narraguagus River, near Beddington, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	0.28 0.44 0.10 0.06
Narraguagus River 01022290	Atlantic Ocean	Lat 44°50'34", long 68°04'10", Washington County, 150 ft upstream of bridge on Route 9, 0.9 mi upstream of Beddington Lake, near Beddington, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	12.2 19.2 8.10 4.93
Pork Brook 01022400	West Branch Narraguagus River	Lat 44°46'17", long 68°05'20",Hancock County, downstream end of culvert in unnamed road, 1.9 mi upstream of the confluence with West Branch Narraguagus River, near Beddington, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	[a]0.14 [a]0.071 0 0
		CARD MILL STREAM BASIN				
Card Mill Stream 01022750	Atlantic Ocean	Lat 44°35'48", long 68°10'46", Hancock County, 10 ft downstream from bridge on Donnell Pond Road, at the outlet of Donnell Pond, near Franklin, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	4.32 1.57 [c]0.009 [c]0.002
		UNION RIVER BASIN				
Alligator Stream 01022950	West Branch Union River	Lat 44°58'14", long 68°13'59", Hancock County, 50 ft upstream of culvert in Stud Mill Road, 0.9 mi downstream from Alligator Lake, near Great Pond, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	2.51 2.91 0.78 0.31
West Branch Union River 01023000	Union River	Lat 44°50'25", long 68°22'22", Hancock County, on right bank 200 ft upstream from site of old tannery dam, 0.6 mi upstream from Indian Camp Brook, near Amherst, Maine.	---	1910-19[b], 1929-79[b], 2000	09-13-01 09-13-01	7.41 6.95
Unnamed trib to Lower Lead Mountain Pond 01023210	Starvation Branch	Lat 44°52'16", long 68°11'23", Hancock County, downstream end of culvert in unnamed road, 0.7 mi upstream from Lower Lead Mountain Pond, near Beddington, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	0.25 0.16 0.28 0.07
Middle Branch Union River 01023400	East Branch Union River	Lat 44°51'42", long 68°17'43", Hancock County, 0.5 mi downstream from bridge on Route 9, 0.7 mi downstream from the confluence with Freeman Brook, near Aurora, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	4.61 4.98 1.63 0.50
Leighton Brook 01023430	Middle Branch Union River	Lat 44°49'18", long 68°14'59", Hancock County, 20 ft below downstream end of culvert in unnamed road, 3.6 mi upstream of the confluence with Middle Branch Union River, near Aurora, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	[a]0.16 [a]0.25 0.24 [a]0.084

Discharge measurements made at low-flow partial-record stations during water year 2001

Stream	Tributary to	Location	Drainage area (mi^2)	Measured Previously (water years)	Measurements Date	Measurements Discharge (ft^3/s)
UNION RIVER BASIN--Continued						
Garland Brook 01024200	Union River	Lat 44°43'17", long 68°24'40", Hancock County, upstream end of culvert in Route 181, 1.2 mi upstream from mouth, near Mariaville, Maine.	---	1964-82[b], 2000	07-03-01 07-25-01 08-29-01 09-13-01 09-13-01 09-13-01	0.79 0.25 0.13 0.18 0.13 [a]0.15
Unnamed trib to Winkumpaug Brook 01025445	Winkumpaug Brook	Lat 44°37'37", long 68°37'42", Hancock County, downstream end of culvert in Winkumpaug Road, just upstream of the confluence with Winkumpaug Brook, near Ellsworth, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	[a]0.022 [a]0.009 [a]0.002 [a]0.003
Winkumpaug Brook 01025450	Branch Lake Stream	Lat 44°37'37", long 68°37'42", Hancock County, 80 ft downstream of culvert in Winkumpaug Road, 1.7 mi above Branch Lake, near Ellsworth, Maine.	---	2000	07-03-01 07-25-01 08-29-01 09-13-01	0.13 [c]0.063 [c]0.006 [c]0.005
PENOBSCOT RIVER BASIN						
Web Brook 01030050	Fish Stream	Lat 46°00'05", long 68°26'59", Penobscot County, downstream end of culvert in Waters Road, 0.5 mi upstream from mouth, at Patten, Maine.	1.15	1997-2000	07-21-01 08-02-01 09-06-01	[a]0.14 [a]0.088 [a]0.57

[a] Volumetric measurement
[b] Operated as a continuous-record gaging station
[c] Flume measurement

Special study and miscellaneous sites

Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State.

Discharge measurements made at special study and miscellaneous sites during water year 2001

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°45' 26", long 67°51'12", Aroostook County, at outfall of Mars Hill wastewater treatment plant, 0.3 mi downstream from Rocky Brook, near Mars Hill, Maine.	86.3	1991, 1998-2000	07-10-01 08-20-01	33.7 12.8
KENNEBEC RIVER BASIN						
Wilson Stream 01047730	Kennebec River	Lat 44°36'55", long 70°11'42", Franklin County, 0.1mi upstream from railroad bridge in East Wilton, and 1.5 mi downstream from Varnum Street in East Wilton, Maine.	45.8	many	07-12-01 08-29-01	104 6.79
Twentyfive Mile Stream 01049115	Sebasticook River	Lat 44°37'33", long 69°21'28", Kennebec County, just below bridge on the Horseback Road, 0.9 mi north of Route 139, near Unity, Maine.	130	1985, 94, 1997-2000	07-17-01 08-27-01	21.0 2.81
MOUSAM RIVER BASIN						
Mousam River 01068910	Atlantic Ocean	Lat 43°25'06", long 70°44'19", York County, at Route 4 bridge, 4.2 mi upstream from Estes Lake, in Sanford, Maine.	44.0	1995 1997-2000	07-24-01	32.0
Mousam River 01069600	Atlantic Ocean	Lat 43°23'05", long 70°32'34", York County, 500 ft below Route 1 Bridge in Kennebunk, Maine.	108	1999-2000	07-24-01	155
PISCATAQUA RIVER BASIN						
Great Works River 01072660	Salmon Falls River	Lat 43°17'38", long 70°44'21", County, at abandoned railroad crossing at North Berwick Sewage Treatment Plant, 1 mi south of North Berwick, Maine.	45.2	1994, 1999-2000	07-24-01 08-07-01	14.0 14.6

ANDROSCOGGIN COUNTY

440213070203201 Local number, ANW 1135

LOCATION.--Lat 44°02'13", long 70°20'32", Hydrologic Unit 01040002, about 0.5 mi northeast of Poland Spring. Owner: U.S. Geological Survey.

AQUIFER.--Bedrock of Devonian age.

WATER-LEVEL RECORDS

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 150 ft, cased to bedrock, open end.

INSTRUMENTATION.--Electronic water-level recorder.

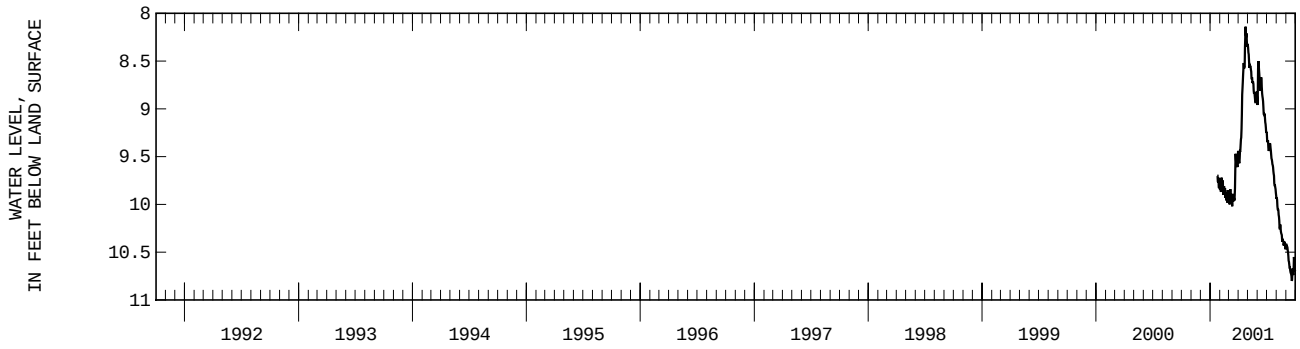
DATUM.--Elevation of land-surface datum is 1142 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.7 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 8.14 ft below land-surface datum, Apr. 24, 2001; lowest recorded, 10.80 ft below land-surface datum, Sept. 19, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	9.85	9.90	9.50	8.33	8.96	9.26	9.94	10.42
2	---	---	---	---	9.82	9.93	9.52	8.36	8.87	9.32	9.93	10.42
3	---	---	---	---	9.83	9.98	9.56	8.41	8.58	9.35	9.95	10.43
4	---	---	---	---	9.87	10.00	9.57	8.43	8.50	9.34	10.02	10.44
5	---	---	---	---	9.78	9.92	9.52	8.50	8.53	9.34	10.05	10.45
6	---	---	---	---	9.72	9.84	9.44	8.57	8.59	9.41	10.05	10.48
7	---	---	---	---	9.82	9.94	9.44	8.56	8.64	9.44	10.06	10.50
8	---	---	---	---	9.86	9.95	9.38	8.55	8.70	9.43	10.11	10.54
9	---	---	---	---	9.78	9.92	9.32	8.56	8.76	9.42	10.13	10.59
10	---	---	---	---	9.75	9.89	9.30	8.56	8.80	9.38	10.17	10.60
11	---	---	---	---	9.88	9.95	9.21	8.59	8.81	9.36	10.25	10.63
12	---	---	---	---	9.90	10.02	9.06	8.61	8.77	9.37	10.25	10.66
13	---	---	---	---	9.84	9.90	8.85	8.68	8.67	9.41	10.21	10.66
14	---	---	---	---	9.81	9.90	8.79	8.68	8.73	9.44	10.24	10.69
15	---	---	---	---	9.84	9.97	8.72	8.68	8.78	9.48	10.28	10.71
16	---	---	---	---	9.87	9.96	8.64	8.73	8.84	9.52	10.30	10.72
17	---	---	---	---	9.83	9.94	8.58	8.72	8.87	9.53	10.31	10.73
18	---	---	---	---	9.93	9.93	8.52	8.72	8.89	9.55	10.32	10.75
19	---	---	---	---	9.91	9.96	8.57	8.74	8.92	9.58	10.37	10.80
20	---	---	---	---	9.88	9.91	8.57	8.81	8.98	9.59	10.39	10.79
21	---	---	---	---	9.91	9.83	8.56	8.84	9.05	9.61	10.36	10.71
22	---	---	---	---	9.96	9.63	8.35	8.83	9.05	9.65	10.38	10.67
23	---	---	---	9.70	9.90	9.47	8.25	8.85	9.06	9.68	10.39	10.71
24	---	---	---	9.70	9.98	9.53	8.14	8.89	9.05	9.70	10.43	10.74
25	---	---	---	9.76	9.90	9.57	8.23	8.93	9.09	9.78	10.41	10.69
26	---	---	---	9.77	9.85	9.56	8.25	8.93	9.14	9.80	10.40	10.55
27	---	---	---	9.72	9.90	9.56	8.21	8.91	9.16	9.80	10.39	10.59
28	---	---	---	9.82	9.90	9.59	8.30	8.85	9.20	9.82	10.41	10.65
29	---	---	---	9.83	---	9.61	8.35	8.82	9.25	9.84	10.45	10.69
30	---	---	---	9.74	---	9.50	8.33	8.85	9.24	9.88	10.47	10.70
31	---	---	---	9.77	---	9.44	---	8.90	---	9.91	10.45	---
LOW	---	---	---	9.83	9.98	10.02	9.57	8.93	9.25	9.91	10.47	10.80
HIGH	---	---	---	9.70	9.72	9.44	8.14	8.33	8.50	9.26	9.93	10.42



WATER-QUALITY RECORDS

PERIOD OF RECORD.--CHEMICAL ANALYSES: April 2001 to August 2001.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAMPLING (MIN) (72004)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	OXYGEN, DISSOLVED (PERCENT SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	SPECIFIC CONDUCTANCE LAB (US/CM) (90095)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)
APR													
20...	1410	11.31	314.	.88	285	765	.1	0	8.5	8.3	206	195	9.1
AUG													
24...	1315	13.10	314.	.94	273	754	.2	2	8.4	8.5	192	188	9.3

DATE	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DISSOLVED (MG/L AS CA) (00915)	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	ALKALINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	CARBONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	FLUORIDE, DISSOLVED (MG/L AS F) (00950)	SILICA, DISSOLVED (MG/L AS SIO2) (00955)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L) (70301)
APR													
20...	61	15.7	5.38	1.80	17.1	88	80	3	6.7	1.4	11.2	4.9	112
AUG													
24...	60	15.1	5.38	1.48	16.1	86	77	2	6.7	1.3	10.2	4.2	107

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	ARSENIC DISSOLVED (UG/L AS AS) (01000)
APR					
20...	.003	<.005	.001	E.005	2.7
AUG					
24...	<.002	.005	<.001	E.005	1.5

Remark codes used in this report:
< -- Less than
E -- Estimated value

AROOSTOOK COUNTY

471457068353001 Local number, ARW 890

LOCATION.--Lat 47°14'57", long 68°35'30", Hydrologic Unit 01010003, 0.25 mi southeast of the intersection of State Highways 11 and 161 and U.S. Highway 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. 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: Floor of recorder shelter at land-surface datum, which is 3.0 ft above the general land surface.

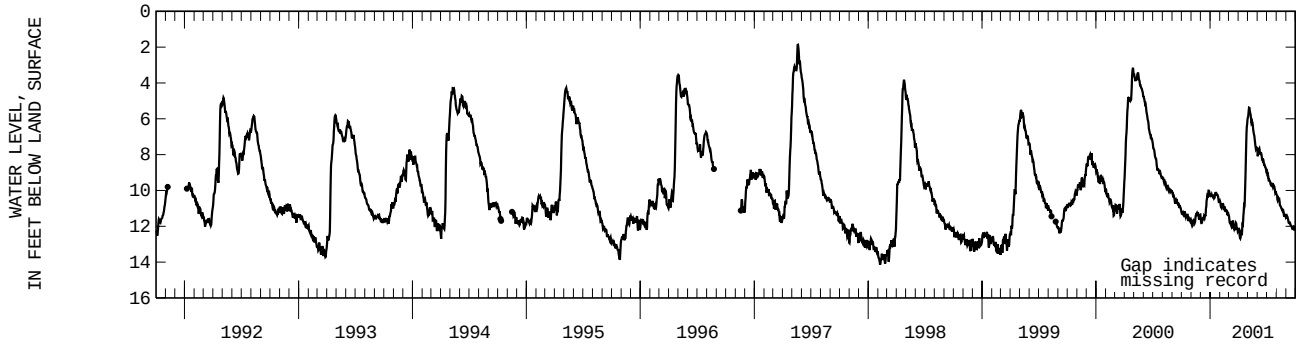
PERIOD OF RECORD.--November 1976 to current year.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.52 ft below land-surface datum, May 2, 1984; lowest recorded, 15.28 ft below land-surface datum, Jan. 22 and 23, 1979.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.25	11.74	11.50	10.20	10.61	11.39	12.09	5.94	7.82	9.00	10.21	11.47
2	11.23	11.83	11.72	10.26	10.66	11.46	12.15	5.89	8.09	8.97	10.25	11.50
3	11.22	11.93	11.82	10.35	10.80	11.64	12.15	5.76	7.95	9.16	10.29	11.49
4	11.25	11.99	11.82	10.29	10.92	11.79	12.31	5.54	7.87	9.20	10.48	11.43
5	11.32	11.96	11.80	10.24	10.95	11.81	12.52	5.38	7.88	9.16	10.56	11.47
6	11.35	11.75	11.70	10.32	10.79	11.71	12.65	5.39	7.68	9.25	10.52	11.54
7	11.26	11.71	11.61	10.26	10.72	11.83	12.68	5.49	7.65	9.44	10.47	11.60
8	11.29	11.78	11.57	10.34	10.86	11.82	12.61	5.60	7.77	9.44	10.53	11.70
9	11.32	11.68	11.57	10.37	10.98	11.97	12.32	5.71	7.93	9.42	10.52	11.80
10	11.22	11.68	11.53	10.35	10.71	12.02	12.20	5.76	7.95	9.45	10.50	11.82
11	11.17	11.74	11.56	10.31	10.76	12.07	12.38	5.89	7.96	9.49	10.62	11.82
12	11.28	11.81	11.42	10.33	10.85	12.05	12.50	6.15	7.94	9.54	10.83	11.81
13	11.45	11.76	11.45	10.44	11.04	12.00	12.14	6.26	7.93	9.64	10.85	11.80
14	11.50	11.57	11.49	10.42	11.05	11.72	11.90	6.23	8.01	9.70	10.87	11.84
15	11.43	11.41	11.39	10.35	10.89	11.72	11.92	6.17	8.13	9.72	10.92	11.93
16	11.52	11.39	11.44	10.23	10.99	11.85	11.70	6.23	8.29	9.68	10.95	11.95
17	11.47	11.31	11.31	10.17	11.14	12.09	11.39	6.34	8.32	9.67	11.01	11.96
18	11.41	11.28	10.97	10.18	11.15	12.14	11.19	6.55	8.22	9.64	11.05	11.99
19	11.31	11.42	10.91	10.09	11.15	12.07	10.86	6.69	8.29	9.66	11.10	12.04
20	11.37	11.37	10.56	10.15	11.11	12.16	10.89	6.79	8.30	9.72	11.13	12.09
21	11.57	11.26	10.48	10.21	11.10	12.17	10.76	6.89	8.42	9.81	11.08	12.06
22	11.63	11.21	10.31	10.25	11.14	12.15	10.15	6.96	8.54	9.77	11.08	12.06
23	11.71	11.32	10.34	10.25	11.10	11.91	9.60	7.11	8.54	9.71	11.15	12.11
24	11.60	11.37	10.40	10.25	11.25	11.81	8.93	7.27	8.61	9.74	11.23	12.16
25	11.56	11.52	10.23	10.31	11.38	11.84	8.11	7.45	8.62	9.78	11.41	12.17
26	11.60	11.63	10.01	10.37	11.24	12.01	7.34	7.56	8.71	9.89	11.47	12.02
27	11.63	11.47	10.01	10.52	11.25	12.18	6.74	7.68	8.72	9.99	11.34	12.03
28	11.68	11.38	10.04	10.63	11.38	12.14	6.41	7.64	8.77	10.11	11.35	12.06
29	11.61	11.36	10.12	10.62	---	12.16	6.29	7.60	8.90	10.07	11.37	12.18
30	11.59	11.35	10.26	10.57	---	12.29	6.05	7.61	9.00	10.09	11.43	12.22
31	11.65	---	10.28	10.55	---	12.26	---	7.66	---	10.16	11.50	---
LOW	11.71	11.99	11.82	10.63	11.38	12.29	12.68	7.68	9.00	10.16	11.50	12.22
HIGH	11.17	11.21	10.01	10.09	10.61	11.39	6.05	5.38	7.65	8.97	10.21	11.43



AROOSTOOK COUNTY--Continued

464259067572901 Local number, ARW 906

LOCATION.--Lat 46°42'59", long 67°57'29", Hydrologic Unit 01010004, approximately 3.5 mi northeast of the City of Presque Isle. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., Oct. 1986 measured depth 40 ft, screened depth 35 to 40 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder. Prior to Oct. 1989, daily mean data were published every fifth day.

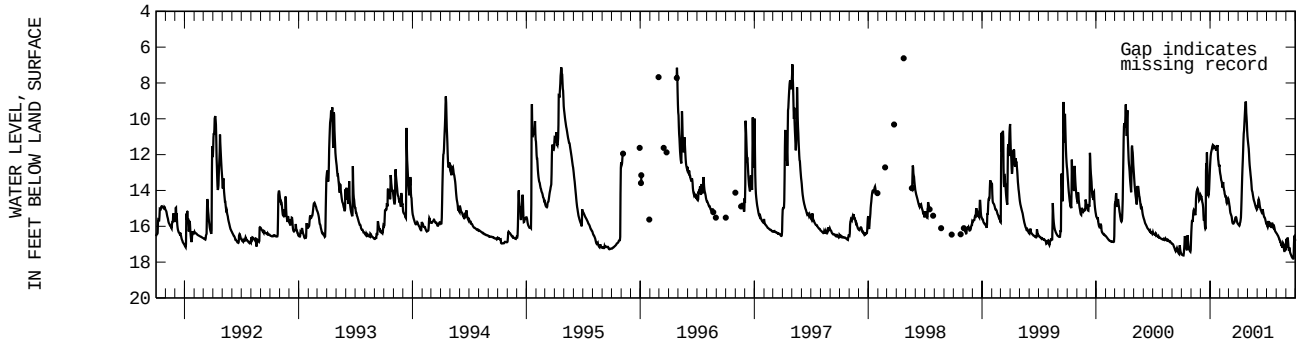
DATUM.--Elevation of land-surface datum is 431 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 0.88 ft above land-surface datum. Prior to Aug. 31, 1999, Measuring point: Top of casing 2.88 ft above land-surface datum.

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 BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.57	16.32	14.27	12.36	12.99	14.58	15.90	11.17	14.85	15.90	16.39	17.00
2	17.59	15.96	14.37	12.08	13.10	14.69	15.93	11.35	14.96	15.94	16.41	16.70
3	17.60	15.71	14.31	11.92	13.18	14.82	15.95	11.50	14.74	16.00	16.44	16.97
4	17.61	15.69	14.42	11.84	13.32	14.92	15.97	11.67	14.54	16.05	16.47	17.17
5	17.62	15.76	14.49	11.76	13.44	15.10	15.93	11.96	14.49	15.99	16.51	16.75
6	17.63	15.61	14.64	11.69	13.48	15.23	15.81	12.33	14.55	15.70	16.53	16.63
7	17.63	15.30	14.70	11.57	13.58	15.30	15.77	12.58	14.65	15.87	16.57	16.80
8	17.50	15.13	14.80	11.51	13.71	15.33	15.65	12.77	14.81	15.96	16.62	17.05
9	17.27	15.08	14.98	11.46	13.84	15.40	15.51	12.95	14.91	15.97	16.66	17.24
10	17.03	15.11	15.40	11.48	13.68	15.44	15.09	13.13	14.99	15.85	16.73	17.36
11	16.55	15.17	15.68	11.53	13.53	15.56	14.52	13.30	15.06	15.82	16.74	17.18
12	16.60	15.24	15.63	11.58	13.77	15.71	13.87	13.49	15.10	15.84	16.81	17.26
13	16.86	15.33	15.59	11.52	13.88	15.80	13.25	13.71	15.14	15.90	16.86	17.40
14	17.03	15.38	15.82	11.52	13.99	15.84	12.76	13.96	15.19	15.99	16.86	17.48
15	17.14	15.13	16.07	11.57	14.05	15.85	12.31	14.04	15.24	16.04	16.95	17.53
16	17.21	14.46	16.14	11.59	14.19	15.85	11.80	14.09	15.27	16.04	17.04	17.57
17	17.28	14.22	16.11	11.59	14.25	15.82	11.26	14.21	15.26	15.97	17.10	17.61
18	17.34	14.06	12.90	11.64	14.34	15.80	10.83	14.32	15.04	15.80	17.00	17.66
19	16.88	14.01	12.48	11.71	14.34	15.78	10.65	14.42	15.18	15.86	17.12	17.70
20	16.50	13.93	12.67	11.78	14.34	15.70	10.32	14.51	15.27	15.98	17.20	17.73
21	16.76	13.89	11.88	11.69	14.51	15.63	9.95	14.58	15.38	16.07	17.08	17.76
22	16.97	13.93	12.50	11.58	14.68	15.53	9.59	14.63	15.45	16.09	16.93	17.79
23	17.13	14.03	13.67	11.53	14.72	15.50	9.31	14.69	15.50	15.91	16.96	17.80
24	17.22	14.12	14.12	11.47	14.68	15.49	9.04	14.76	15.51	15.98	17.17	17.78
25	17.28	14.36	14.26	11.97	14.68	15.51	9.08	14.83	15.54	16.05	17.28	17.78
26	17.33	14.55	14.29	12.26	14.48	15.61	9.66	14.89	15.61	16.14	17.38	17.04
27	17.36	14.52	14.20	12.38	14.44	15.71	9.91	14.95	15.69	16.23	17.38	16.56
28	17.40	14.37	13.93	12.58	14.48	15.77	10.24	15.00	15.76	16.28	17.20	16.54
29	17.42	14.28	13.52	12.67	---	15.83	10.68	15.02	15.85	16.31	16.99	16.68
30	17.31	14.23	13.05	12.56	---	15.86	10.97	15.07	15.88	16.33	17.17	16.81
31	16.80	---	12.65	12.83	---	15.87	---	15.04	---	16.36	17.34	---
LOW	17.63	16.32	16.14	12.83	14.72	15.87	15.97	15.07	15.88	16.36	17.38	17.80
HIGH	16.50	13.89	11.88	11.46	12.99	14.58	9.04	11.17	14.49	15.70	16.39	16.54



CUMBERLAND COUNTY

435453070013601 Local number, CW 26

LOCATION.--Lat 43°54'53", long 70°01'36", Hydrologic Unit 01060001, 0.3 mi northwest of the intersection of Durham Road and U.S. Highway 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. 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: Electric tape gage index, 2.93 ft above land-surface datum.

PERIOD OF RECORD.--April 1958 to current year.

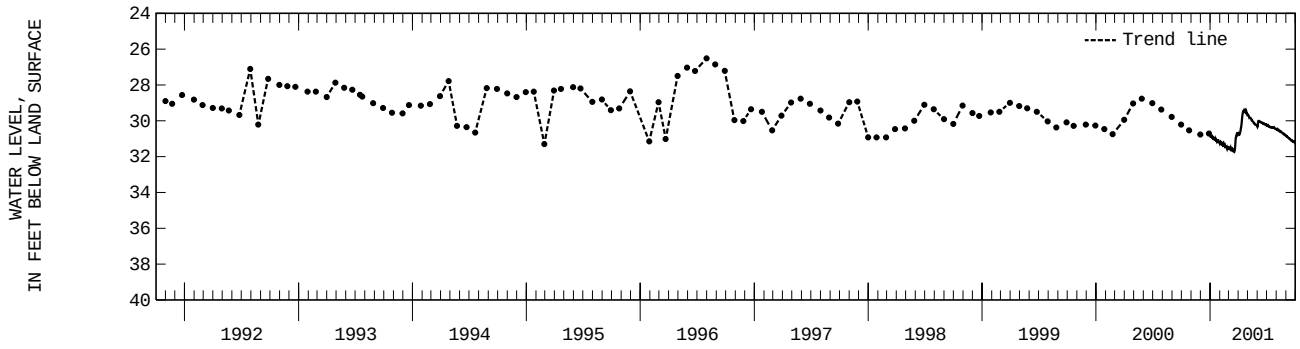
REVISED RECORDS.--WDR ME-82-1: 1978, 1981, WDR ME-83-1: 1977, WDR ME-84-1: 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.95 ft below land-surface datum, June 9, 1984; lowest measured, 36.41 ft below land-surface datum, Feb. 10, 1966.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	30.88	31.26	31.50	30.72	29.64	30.34	30.22	30.48	30.83
2	---	---	---	30.89	31.22	31.53	30.73	29.67	30.30	30.27	30.46	30.87
3	---	---	---	30.89	31.27	31.58	30.77	29.70	30.09	30.28	30.45	30.88
4	---	---	---	30.87	31.28	31.58	30.78	29.72	30.01	30.26	30.49	30.87
5	---	---	---	30.89	31.21	31.51	30.75	29.78	30.01	30.25	30.52	30.91
6	---	---	---	30.87	31.23	31.48	30.66	29.84	30.01	30.30	30.51	30.92
7	---	---	---	30.95	31.33	31.61	30.63	29.83	30.01	30.32	30.50	30.92
8	---	---	---	30.95	31.34	31.63	30.51	29.83	30.02	30.31	30.53	30.94
9	---	---	---	30.93	31.27	31.61	30.40	29.84	30.05	30.32	30.53	30.97
10	---	---	---	30.98	31.25	31.59	30.32	29.84	30.07	30.32	30.54	30.97
11	---	---	---	30.97	31.39	31.65	30.18	29.87	30.08	30.33	30.59	30.99
12	---	---	---	31.03	31.38	31.69	30.00	29.89	30.08	30.36	30.59	31.01
13	---	---	---	31.03	31.36	31.56	29.79	29.96	30.10	30.36	30.58	31.01
14	---	---	---	31.03	31.31	31.58	29.66	29.96	30.11	30.36	30.60	31.05
15	---	---	---	31.03	31.36	31.69	29.55	29.98	30.10	30.38	30.63	31.06
16	---	---	---	30.99	31.40	31.71	29.47	30.03	30.10	30.38	30.63	31.06
17	---	---	---	31.07	31.37	31.70	29.46	30.04	30.11	30.37	30.62	31.08
18	---	---	---	31.08	31.46	31.70	29.43	30.05	30.14	30.38	30.64	31.08
19	---	---	---	31.05	31.45	31.72	29.50	30.07	30.13	30.39	30.66	31.13
20	---	---	---	31.10	31.44	31.66	29.50	30.12	30.14	30.37	30.68	31.14
21	---	---	---	31.10	31.46	31.55	29.49	30.14	30.17	30.36	30.69	31.12
22	---	---	---	31.15	31.50	31.32	29.45	30.14	30.16	30.37	30.71	31.13
23	---	---	---	31.11	31.47	31.03	29.49	30.16	30.16	30.37	30.71	31.16
24	---	---	---	31.10	31.54	30.92	29.45	30.20	30.18	30.36	30.74	31.17
25	m30.53	---	---	31.16	31.48	30.84	29.56	30.22	30.21	30.39	30.76	31.17
26	---	---	---	31.16	31.42	30.77	29.57	30.22	30.22	30.42	30.74	31.15
27	---	---	---	31.14	31.51	30.72	29.53	30.22	30.20	30.44	30.75	31.18
28	---	---	m30.72	31.21	31.52	30.73	29.61	30.23	30.22	30.44	30.77	31.21
29	---	---	30.82	31.21	---	30.76	29.65	30.25	30.24	30.44	30.81	31.24
30	---	m30.77	30.77	31.13	---	30.69	29.62	30.27	30.21	30.46	30.82	31.23
31	---	---	30.75	31.19	---	30.68	---	30.30	---	30.47	30.81	---
LOW	30.53	30.77	30.82	31.21	31.54	31.72	30.78	30.30	30.34	30.47	30.82	31.24
HIGH	30.53	30.77	30.72	30.87	31.21	30.68	29.43	29.64	30.01	30.22	30.45	30.83

m Measured



435039070261101 Local number, CW 1983

LOCATION.--Lat 43°50'32", long 70°26'12", Hydrologic Unit 01060001, about .5 mi northeast of North Windham. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored water-table observation well, diameter 2 in., depth 37 ft, screened depth 32 ft to 37 ft, screen slot size 0.008 in.

INSTRUMENTATION.--Electronic water-level recorder.

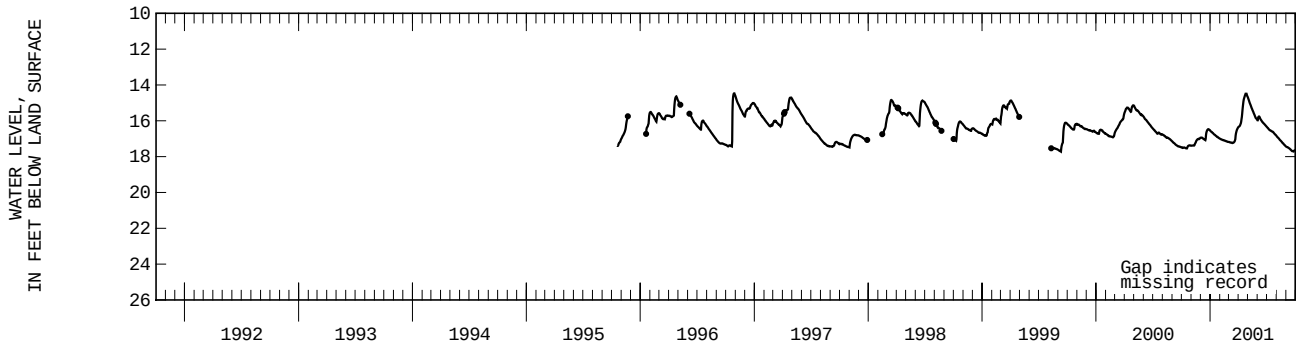
DATUM.--Elevation of land-surface datum is 307.80 ft above National Geodetic Vertical Datum of 1929. Measuring Point: Top of casing, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1995 to current year. Records prior to October 1999 have not been published but are available in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.47 ft below land-surface datum, Oct. 27-28, 1996; lowest measured, 17.72 ft below land-surface datum, Sept. 10, 1999.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.49	17.39	16.95	16.56	17.00	17.18	16.35	14.68	15.97	16.34	16.84	17.44
2	17.50	17.39	16.94	16.58	17.01	17.18	16.33	14.73	15.97	16.36	16.87	17.45
3	17.51	17.38	16.94	16.60	17.02	17.19	16.32	14.78	15.85	16.38	16.89	17.46
4	17.50	17.38	16.94	16.61	17.03	17.20	16.31	14.83	15.79	16.40	16.91	17.47
5	17.51	17.38	16.94	16.62	17.04	17.20	16.29	14.88	15.77	16.41	16.93	17.47
6	17.51	17.38	16.95	16.63	17.04	17.21	16.26	14.94	15.76	16.44	16.94	17.48
7	17.50	17.38	16.96	16.66	17.05	17.21	16.22	14.99	15.77	16.46	16.96	17.49
8	17.49	17.38	16.98	16.67	17.06	17.22	16.17	15.04	15.80	16.48	16.98	17.50
9	17.49	17.38	17.00	16.68	17.07	17.22	16.12	15.08	15.84	16.50	17.00	17.52
10	17.49	17.38	17.01	16.70	17.07	17.22	16.03	15.12	15.88	16.52	17.02	17.53
11	17.50	17.36	17.02	16.72	17.08	17.23	15.90	15.17	15.92	16.53	17.05	17.54
12	17.51	17.31	17.03	16.74	17.08	17.24	15.78	15.22	15.94	16.53	17.07	17.55
13	17.52	17.27	17.05	16.76	17.09	17.23	15.60	15.27	15.97	16.54	17.09	17.57
14	17.53	17.24	17.06	16.77	17.09	17.23	15.41	15.31	15.99	16.55	17.10	17.59
15	17.53	17.21	17.07	16.78	17.10	17.23	15.23	15.35	16.02	16.57	17.12	17.60
16	17.54	17.16	17.08	16.79	17.11	17.22	15.07	15.40	16.05	16.58	17.14	17.62
17	17.54	17.12	17.01	16.81	17.11	17.21	14.93	15.44	16.07	16.59	17.16	17.64
18	17.54	17.09	16.80	16.83	17.12	17.19	14.82	15.48	16.09	16.60	17.18	17.66
19	17.50	17.07	16.68	16.84	17.13	17.17	14.75	15.52	16.10	16.60	17.20	17.67
20	17.45	17.05	16.61	16.85	17.13	17.14	14.70	15.57	16.13	16.61	17.23	17.69
21	17.42	17.03	16.56	16.87	17.14	17.09	14.64	15.61	16.15	16.63	17.24	17.69
22	17.40	17.02	16.52	16.89	17.15	17.03	14.58	15.65	16.16	16.64	17.26	17.69
23	17.39	17.02	16.50	16.90	17.15	16.83	14.54	15.69	16.18	16.67	17.27	17.70
24	17.38	17.01	16.48	16.90	17.16	16.71	14.49	15.74	16.20	16.69	17.30	17.70
25	17.38	17.02	16.47	16.92	17.17	16.64	14.49	15.78	16.22	16.71	17.32	17.71
26	17.37	17.02	16.47	16.93	17.17	16.57	14.49	15.83	16.24	16.73	17.34	17.68
27	17.37	17.00	16.48	16.94	17.18	16.51	14.49	15.85	16.26	16.75	17.35	17.66
28	17.37	16.99	16.49	16.96	17.18	16.47	14.55	15.87	16.28	16.77	17.37	17.65
29	17.38	16.97	16.51	16.97	---	16.44	14.61	15.89	16.30	16.78	17.39	17.65
30	17.39	16.95	16.52	16.98	---	16.40	14.64	15.91	16.32	16.80	17.41	17.66
31	17.39	---	16.53	16.99	---	16.37	---	15.94	---	16.82	17.43	---
LOW	17.54	17.39	17.08	16.99	17.18	17.24	16.35	15.94	16.32	16.82	17.43	17.71
HIGH	17.37	16.95	16.47	16.56	17.00	16.37	14.49	14.68	15.76	16.34	16.84	17.44



KENNEBEC COUNTY

441849069442001 Local number, KW 52

LOCATION.--Lat 44°18'49", long 69°44'20", Hydrologic Unit 01030003, on Cony Road, 0.3 mi south of State Highway 105, in Augusta. Owner: Walter Panek.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Dug water-table observation well, diameter 36 in., depth 22 ft, cased with rock to 22 ft, open end.

INSTRUMENTATION.--Electronic water level recorder. Prior to Dec. 2000, monthly measurement with chalked steel tape by USGS personnel. Prior to Oct. 1989, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of concrete well at land-surface datum.

REMARKS.--Records lost Sept. 25-30.

PERIOD OF RECORD.--December 1960 to current year.

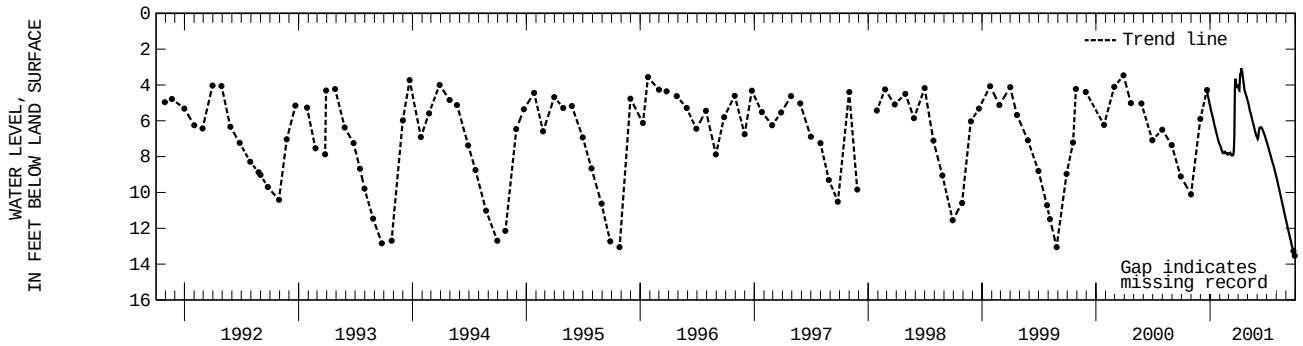
REVISED RECORDS.--WDR ME-82-1: 1978, 1979, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 2.91 ft below land-surface datum, May 12, 1989; lowest recorded, 15.61 ft below land-surface datum, Nov. 30, 1978.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	5.24	7.36	7.83	4.11	4.91	6.98	7.19	9.17	11.56
2	---	---	---	5.34	7.40	7.82	4.20	4.97	7.02	7.25	9.23	11.67
3	---	---	---	5.42	7.45	7.82	4.28	5.04	6.98	7.32	9.29	11.74
4	---	---	---	5.48	7.51	7.83	4.30	5.11	6.84	7.37	9.38	11.79
5	---	---	---	5.55	7.56	7.82	3.92	5.20	6.67	7.42	9.46	11.89
6	---	---	---	5.60	7.61	7.80	3.54	5.30	6.54	7.49	9.55	11.98
7	---	---	---	5.68	7.67	7.85	3.37	5.39	6.45	7.56	9.62	12.04
8	---	---	---	5.77	7.74	7.88	3.50	5.46	6.39	7.62	9.69	12.12
9	---	---	---	5.82	7.78	7.90	3.32	5.52	6.37	7.69	9.77	12.21
10	---	---	---	5.90	7.79	7.89	3.05	5.57	6.36	7.75	9.84	12.26
11	---	---	---	5.98	7.76	7.92	3.29	5.63	6.36	7.81	9.93	12.33
12	---	---	---	6.06	7.78	7.94	3.32	5.69	6.36	7.87	10.01	12.43
13	---	---	---	6.15	7.80	7.93	3.24	5.77	6.36	7.93	10.08	12.48
14	---	---	---	6.22	7.81	7.92	3.42	5.85	6.37	7.99	10.16	12.57
15	---	---	---	6.31	7.80	7.91	3.55	5.92	6.40	8.05	10.24	12.64
16	---	---	---	6.36	7.77	7.84	3.67	6.00	6.44	8.12	10.32	12.70
17	---	---	---	6.43	7.74	7.70	3.81	6.07	6.49	8.19	10.40	12.79
18	---	---	---	6.52	7.76	7.41	3.92	6.14	6.53	8.25	10.48	12.86
19	---	---	---	6.58	7.77	6.77	4.08	6.19	6.57	8.31	10.56	12.97
20	---	---	---	6.65	7.78	5.10	4.21	6.27	6.61	8.36	10.64	13.04
21	---	---	4.28	6.71	7.79	4.04	4.32	6.35	6.66	8.42	10.71	13.07
22	---	---	4.37	6.79	7.82	3.70	4.37	6.41	6.70	8.47	10.79	13.12
23	---	---	4.50	6.86	7.82	3.66	4.44	6.48	6.75	8.53	10.87	13.20
24	---	---	4.61	6.92	7.85	3.92	4.47	6.55	6.79	8.60	10.96	13.26
25	---	---	4.68	7.00	7.86	3.95	4.54	6.63	6.84	8.67	11.04	---
26	---	---	4.75	7.08	7.84	4.04	4.61	6.70	6.91	8.74	11.12	---
27	---	---	4.81	7.11	7.87	4.08	4.64	6.76	6.97	8.81	11.18	---
28	---	---	4.91	7.19	7.85	4.11	4.71	6.81	7.03	8.88	11.26	m13.53
29	---	---	5.02	7.25	---	4.10	4.80	6.86	7.09	8.95	11.36	---
30	---	m5.89	5.10	7.28	---	3.96	4.86	6.89	7.13	9.02	11.45	---
31	m10.10	---	5.12	7.32	---	4.00	---	6.93	---	9.09	11.49	---
LOW	10.10	5.89	5.12	7.32	7.87	7.94	4.86	6.93	7.13	9.09	11.49	13.53
HIGH	10.10	5.89	4.28	5.24	7.36	3.66	3.05	4.91	6.36	7.19	9.17	11.56

m Measured



440918069564001 Local number, KW 766

LOCATION.--Lat 44°09'18", long 69°56'40", Hydrologic Unit 01030003, 690 ft northeast of the intersection of Hallowell Neck Road, Libby Road, and Plains Road, Litchfield. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (ice-contact deposits) of Pleistocene age.

WELL CHARACTERISTICS.--Drilled unconfined observation well, diameter 6 in., depth 62 ft, cased to 59 ft, open end.

INSTRUMENTATION.--Electronic water level recorder. Feb. 1990 to Mar. 2001, monthly measurement with chalked steel tape by USGS personnel. Daily mean data were published for Oct. 1989 to Jan. 1990. Prior to Oct. 1989, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 300 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Floor of recorder shelter, at land-surface datum, which is 2.7 ft above the general land surface.

REMARKS.--Record affected by integrity test, July 14-22.

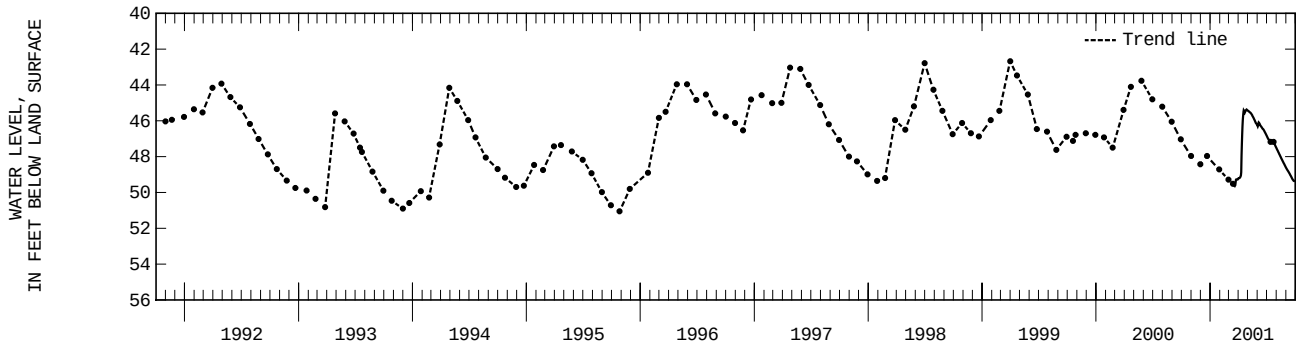
PERIOD OF RECORD.--June 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 38.76 ft below land-surface datum, June 2, 1984; lowest recorded, 51.57 ft below land-surface datum, Mar. 15, 1989.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	49.21	45.43	46.27	46.85	47.53	48.63
2	---	---	---	---	---	---	49.20	45.44	46.31	46.88	47.57	48.66
3	---	---	---	---	---	---	49.20	45.46	46.26	46.93	47.60	48.69
4	---	---	---	---	---	---	49.20	45.47	46.14	46.96	47.64	48.72
5	---	---	---	---	---	---	49.18	45.48	46.09	47.00	47.67	48.75
6	---	---	---	---	---	---	49.17	45.50	46.11	47.02	47.71	48.78
7	---	---	---	---	---	---	49.14	45.52	46.14	47.04	47.75	48.80
8	---	---	---	---	---	---	49.10	45.53	46.17	47.06	47.78	48.83
9	---	---	---	---	---	---	49.04	45.54	46.21	47.08	47.82	48.86
10	---	---	---	---	---	---	48.87	45.56	46.25	47.11	47.86	48.89
11	---	---	---	---	---	---	47.94	45.58	46.28	47.13	47.89	48.92
12	---	---	---	---	---	---	47.30	45.60	46.30	47.16	47.93	48.95
13	---	---	---	---	---	---	46.75	45.63	46.32	47.17	47.97	48.98
14	---	---	---	---	---	---	46.31	45.66	46.35	---	48.00	49.02
15	---	---	---	---	---	49.51	45.96	45.68	46.37	---	48.04	49.05
16	---	---	---	---	---	49.57	45.72	45.73	46.40	---	48.08	49.08
17	---	---	---	---	---	49.61	45.55	45.76	46.43	---	48.11	49.11
18	---	---	---	---	---	49.62	45.42	45.79	46.45	---	48.15	49.15
19	---	---	---	---	---	49.64	45.45	45.82	46.46	---	48.18	49.18
20	---	---	---	---	---	49.65	45.53	45.86	46.48	---	48.22	49.22
21	---	---	m47.97	---	---	49.62	45.56	45.90	46.51	---	48.25	49.25
22	---	---	---	---	---	49.59	45.52	45.93	46.54	---	48.29	49.28
23	---	---	---	---	---	49.44	45.48	45.97	46.57	47.17	48.32	49.30
24	---	---	---	---	---	49.29	45.42	46.01	46.61	47.20	48.36	49.32
25	---	---	---	---	---	49.27	45.41	46.05	46.64	47.25	48.39	49.35
26	---	---	---	---	---	49.27	45.39	46.09	46.67	47.30	48.42	49.36
27	---	---	---	---	---	49.28	45.37	46.13	46.71	47.34	48.46	49.36
28	---	---	---	---	m49.28	49.28	45.38	46.15	46.74	47.38	48.49	49.36
29	---	---	---	m48.72	---	49.28	45.41	46.17	46.78	47.42	48.53	49.36
30	---	m48.42	---	---	---	49.27	45.42	46.20	46.81	47.46	48.56	49.37
31	m47.97	---	---	---	---	49.23	---	46.23	---	47.49	48.60	---
LOW	47.97	48.42	47.97	48.72	49.28	49.65	49.21	46.23	46.81	47.49	48.60	49.37
HIGH	47.97	48.42	47.97	48.72	49.28	49.23	45.37	45.43	46.09	46.85	47.53	48.63

m Measured



KENNEBEC COUNTY--Continued

440810069553601 Local number, KW 872A

LOCATION.--Lat 44°08'17", long 69°55'36", Hydrologic Unit 01030003, on Small Road, 0.40 mi north of State Highway 197, Litchfield. Owner: Stephen Condon.

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 404 ft, cased to bedrock, open end.

INSTRUMENTATION.--Electronic water level recorder. Dec. 1989 to Dec. 2000, monthly measurement with chalked steel tape by USGS personnel. Daily mean data were published for Oct. -Nov. 1989. Prior to Oct. 1989, daily mean data were published every fifth day.

DATUM.--Elevation of land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, at land-surface datum, which is 2.2 ft above the general land surface.

PERIOD OF RECORD.--November 1978 to current year.

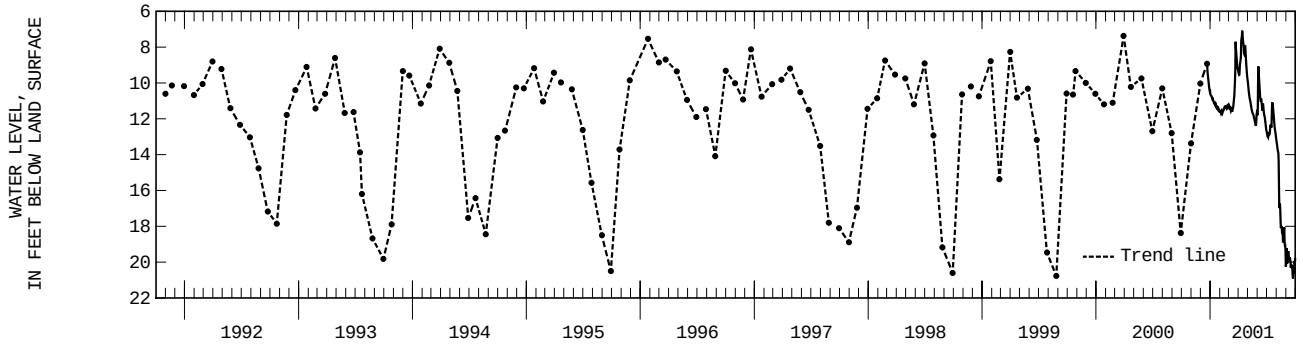
REVISED RECORDS.--WDR ME-82-1: 1980, WDR ME-84-1: 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.47 ft below land-surface datum, May 12, 1989; lowest recorded, 20.91 ft below land-surface datum, Sept. 23, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	10.63	11.61	11.21	9.39	9.92	11.80	12.74	13.25	20.10
2	---	---	---	10.67	11.61	11.25	9.47	10.09	11.70	12.84	13.36	19.22
3	---	---	---	10.70	11.62	11.35	9.55	10.27	9.90	12.96	13.48	19.57
4	---	---	---	10.71	11.68	11.42	9.54	10.44	9.08	13.00	13.63	20.10
5	---	---	---	10.77	11.62	11.41	9.27	10.61	9.37	13.03	13.74	19.55
6	---	---	---	10.80	11.58	11.39	8.94	10.75	9.72	12.81	13.83	19.81
7	---	---	---	10.88	11.67	11.50	8.83	10.85	10.02	12.80	13.91	19.49
8	---	---	---	10.92	11.71	11.57	8.69	10.93	10.31	12.86	14.38	19.39
9	---	---	---	10.90	11.66	11.53	8.49	11.02	10.61	12.88	15.79	19.59
10	---	---	---	10.97	11.57	11.49	7.66	11.11	10.85	12.85	16.91	19.79
11	---	---	---	11.00	11.56	11.55	7.50	11.22	10.97	12.71	16.98	19.88
12	---	---	---	11.09	11.54	11.60	7.43	11.34	10.96	12.45	16.74	19.86
13	---	---	---	11.13	11.46	11.51	7.08	11.45	10.88	12.33	17.06	19.72
14	---	---	---	11.14	11.42	11.44	7.29	11.53	11.04	12.40	17.63	19.89
15	---	---	---	11.18	11.37	11.39	7.51	11.61	11.22	12.45	18.10	19.94
16	---	---	---	11.15	11.35	11.21	7.70	11.66	11.40	12.49	18.04	20.31
17	---	---	---	11.22	11.27	11.03	7.81	11.70	11.54	11.76	17.99	20.11
18	---	---	---	11.27	11.35	10.86	8.00	11.74	11.19	11.14	18.10	20.26
19	---	---	---	11.23	11.33	10.67	8.34	11.79	11.19	11.09	18.37	20.33
20	---	---	---	11.30	11.30	10.24	8.39	11.86	11.35	11.22	18.42	20.20
21	---	---	8.93	11.30	11.31	9.87	8.34	11.95	11.58	11.40	18.49	20.44
22	---	---	9.10	11.39	11.38	9.23	7.98	12.01	11.71	11.60	18.90	20.75
23	---	---	9.39	11.37	11.34	7.70	7.97	12.08	11.80	11.78	18.82	20.91
24	---	---	9.57	11.37	11.43	8.08	8.29	12.17	11.89	12.02	18.59	20.56
25	---	---	9.74	11.42	11.42	8.30	8.63	12.27	11.98	12.24	18.15	20.49
26	---	---	9.89	11.47	11.33	8.57	8.96	12.34	12.14	12.45	18.06	20.63
27	---	---	10.06	11.44	11.28	8.80	9.18	12.39	12.28	12.60	18.85	20.22
28	---	---	10.22	11.51	11.24	9.01	9.43	12.24	12.45	12.70	19.07	19.95
29	---	---	10.37	11.55	---	9.18	9.65	11.81	12.59	12.82	19.07	20.07
30	---	m10.03	10.45	11.52	---	9.20	9.78	11.67	12.68	12.98	19.36	19.77
31	m13.37	---	10.44	11.53	---	9.29	---	11.71	---	13.12	20.26	---
LOW	13.37	10.03	10.45	11.55	11.71	11.60	9.78	12.39	12.68	13.12	20.26	20.91
HIGH	13.37	10.03	8.93	10.63	11.24	7.70	7.08	9.92	9.08	11.09	13.25	19.22

m Measured



OXFORD COUNTY

443647070552302 Local number, OW 400A

LOCATION.--Lat 44°46'37", long 70°55'23", Hydrologic Unit 01040001, at Middle Dam, Lower Richardson Lake. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 23.6 ft, screened depth 18.6 to 23.6 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Weekly measurement with chalked steel tape by local observer. Daily mean data were published from Dec. 1999 to Oct. 2000 and from June 1991 to May 1995. Prior to June 1991 and June 1995 to Dec. 1999, monthly measurements were published.

DATUM.--Elevation of land-surface datum is 1,444 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.50 ft above land-surface datum.

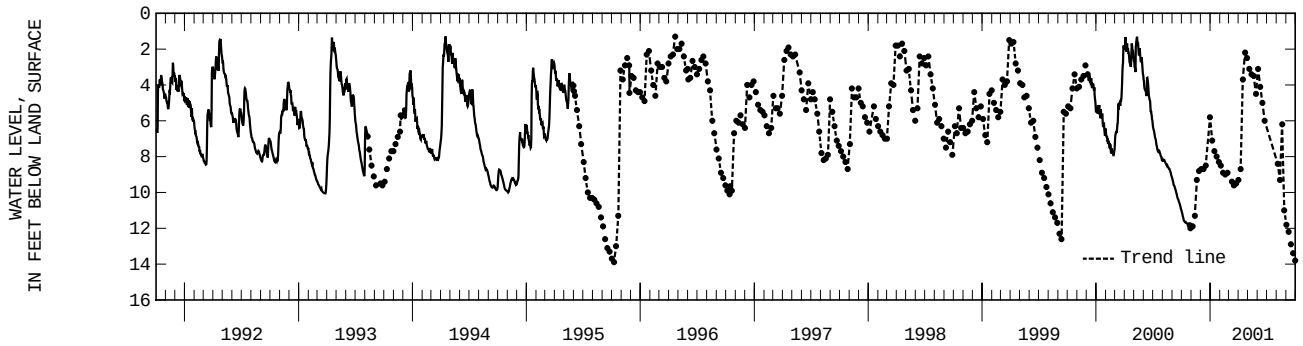
PERIOD OF RECORD.--October 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.29 ft below land-surface datum, Apr. 16, 1994; lowest measured, 13.90 ft below land-surface datum, Oct. 8, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.06	---	---	---	---	---	m9.3	---	---	---	---	---
2	11.12	---	---	---	---	---	---	---	---	---	---	m11.8
3	11.18	---	m8.7	---	---	---	---	---	m3.1	---	---	---
4	11.27	---	---	---	m8.5	---	---	---	---	---	---	---
5	11.35	m11.9	---	---	---	---	---	---	---	---	m8.4	---
6	11.41	---	---	---	---	---	---	m3.1	---	---	---	---
7	11.49	---	---	m7.1	---	---	---	---	---	---	---	---
8	11.56	---	---	---	---	---	m8.7	---	---	---	---	---
9	11.60	---	---	---	---	---	---	---	---	---	---	m12.2
10	11.61	---	m8.7	---	---	---	---	---	m4.1	---	---	---
11	11.63	---	---	---	m8.9	m9.4	---	---	---	---	---	---
12	11.66	m11.3	---	---	---	---	---	---	---	---	m9.3	---
13	11.66	---	---	---	---	---	---	m3.4	---	---	---	---
14	11.65	---	---	m7.7	---	---	---	---	---	---	---	---
15	11.68	---	---	---	---	---	m3.7	---	---	---	---	---
16	11.70	---	---	---	---	---	---	---	---	---	---	m12.9
17	11.71	---	m8.5	---	---	---	---	---	m5.0	---	---	---
18	11.72	---	---	---	m9.0	m9.6	---	---	---	---	---	---
19	11.73	m9.3	---	---	---	---	---	---	---	---	m6.2	---
20	11.76	---	---	---	---	---	---	m3.5	---	---	---	---
21	11.77	---	---	m8.0	---	---	---	---	---	---	---	---
22	11.81	---	---	---	---	---	m2.2	---	---	---	---	---
23	11.81	---	---	---	---	---	---	---	---	---	---	m13.4
24	11.80	---	---	---	---	---	---	---	m6.0	---	---	---
25	11.81	---	---	---	m8.9	m9.5	---	---	---	---	---	---
26	11.82	m8.8	---	---	---	---	---	---	---	---	m11.0	---
27	11.83	---	---	---	---	---	---	m4.5	---	---	---	---
28	---	---	---	m8.3	---	---	---	---	---	---	---	---
29	m12.0	---	---	---	---	---	m2.5	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	m13.8
31	---	---	m5.8	---	---	---	---	---	---	---	---	---
LOW	12.00	11.90	8.70	8.30	9.00	9.60	9.30	4.50	6.00	---	11.00	13.80
HIGH	11.06	8.80	5.80	7.10	8.50	9.40	2.20	3.10	3.10	---	6.20	11.80

m Measured



OXFORD COUNTY--Continued

440823070291501 Local number, OW 1214

LOCATION.--Lat 44°08'23", long 70°29'15", Hydrologic Unit 01040002, on State Highway 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. 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: Electric tape gage index, at land surface datum, which is 1.2 ft above the general land surface.

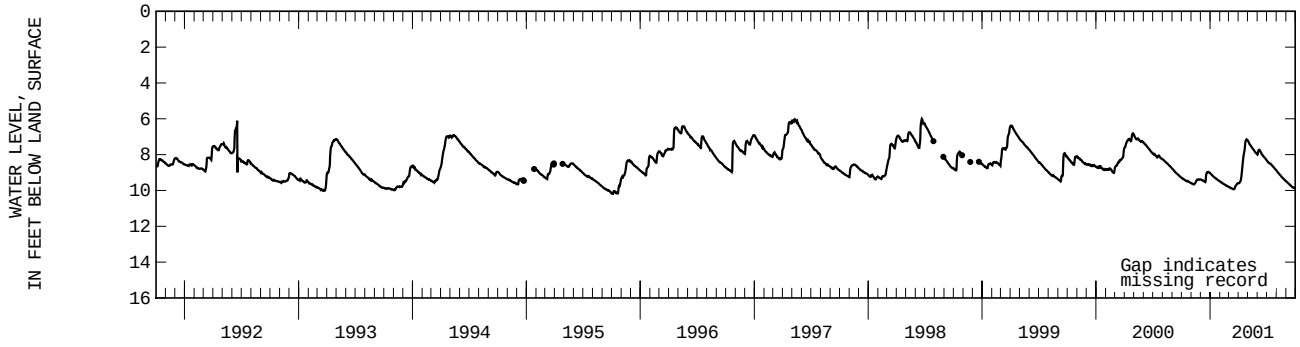
PERIOD OF RECORD.--September 1980 to current year.

REVISED RECORDS.--WDR ME-82-1: 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.07 ft below land-surface datum, corrected, June 3, 1984; lowest recorded, 10.37 ft below land-surface datum, Oct. 20-22, 1988.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.30	9.59	9.39	9.05	9.50	9.80	9.59	7.21	8.00	8.32	8.89	9.49
2	9.31	9.60	9.40	9.07	9.51	9.81	9.59	7.24	7.98	8.35	8.91	9.51
3	9.33	9.62	9.41	9.09	9.53	9.82	9.59	7.27	7.87	8.38	8.93	9.52
4	9.34	9.62	9.41	9.10	9.54	9.83	9.58	7.30	7.78	8.39	8.96	9.54
5	9.36	9.63	9.41	9.12	9.54	9.84	9.56	7.35	7.74	8.41	8.98	9.55
6	9.35	9.64	9.43	9.14	9.56	9.84	9.53	7.40	7.73	8.44	9.00	9.57
7	9.36	9.65	9.43	9.16	9.57	9.86	9.50	7.42	7.73	8.46	9.02	9.59
8	9.37	9.65	9.45	9.17	9.59	9.87	9.44	7.44	7.75	8.47	9.05	9.60
9	9.39	9.66	9.45	9.19	9.59	9.87	9.40	7.47	7.77	8.49	9.07	9.62
10	9.40	9.66	9.47	9.21	9.60	9.88	9.29	7.49	7.81	8.49	9.09	9.63
11	9.41	9.64	9.48	9.22	9.62	9.89	9.14	7.51	7.84	8.49	9.11	9.65
12	9.43	9.62	9.48	9.24	9.63	9.90	8.97	7.54	7.87	8.50	9.13	9.67
13	9.44	9.60	9.49	9.26	9.64	9.90	8.79	7.57	7.91	8.52	9.14	9.68
14	9.45	9.58	9.49	9.27	9.65	9.92	8.61	7.59	7.95	8.53	9.16	9.70
15	9.47	9.54	9.52	9.28	9.66	9.93	8.43	7.61	7.98	8.55	9.18	9.72
16	9.48	9.50	9.53	9.29	9.67	9.93	8.27	7.65	8.00	8.56	9.21	9.73
17	9.49	9.46	9.47	9.31	9.68	9.93	8.12	7.67	8.02	8.58	9.23	9.75
18	9.49	9.44	9.19	9.33	9.70	9.93	7.99	7.69	8.05	8.61	9.25	9.77
19	9.46	9.41	9.09	9.33	9.71	9.92	7.91	7.71	8.06	8.63	9.27	9.79
20	9.46	9.39	9.03	9.35	9.71	9.88	7.82	7.74	8.09	8.65	9.29	9.80
21	9.47	9.39	9.01	9.36	9.73	9.83	7.70	7.77	8.11	8.67	9.30	9.81
22	9.49	9.39	8.98	9.38	9.74	9.77	7.52	7.79	8.13	8.69	9.32	9.82
23	9.50	9.39	8.98	9.39	9.74	9.75	7.35	7.82	8.15	8.70	9.34	9.83
24	9.52	9.40	8.97	9.40	9.76	9.73	7.24	7.84	8.16	8.72	9.36	9.85
25	9.53	9.40	8.98	9.42	9.76	9.70	7.20	7.87	8.19	8.75	9.38	9.85
26	9.54	9.40	8.97	9.43	9.77	9.67	7.17	7.89	8.21	8.77	9.39	9.84
27	9.55	9.38	8.98	9.44	9.78	9.65	7.15	7.91	8.23	8.79	9.41	9.85
28	9.56	9.38	8.99	9.45	9.79	9.63	7.17	7.91	8.26	8.81	9.42	9.87
29	9.57	9.38	9.00	9.46	---	9.62	7.19	7.92	8.28	8.83	9.45	9.88
30	9.58	9.38	9.01	9.47	---	9.59	7.19	7.95	8.30	8.85	9.46	9.89
31	9.58	---	9.02	9.49	---	9.59	---	7.97	---	8.87	9.48	---
LOW	9.58	9.66	9.53	9.49	9.79	9.93	9.59	7.97	8.30	8.87	9.48	9.89
HIGH	9.30	9.38	8.97	9.05	9.50	9.59	7.15	7.21	7.73	8.32	8.89	9.49



PENOBSCOT COUNTY

445319068560101 Local number, PEW 456

LOCATION.--Lat 44°53'19", long 68°56'01", Hydrologic Unit 01020005, on Kenduskeag-Levant Road, 2.5 mi south of Kenduskeag, near Kenduskeag-Levant town line, Kenduskeag. Owner: Clarence W. Parker, Jr.

AQUIFER.--Bedrock of Silurian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 101 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder. 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 (corrected) below land-surface datum, which is 1.77 ft (corrected) above the general land surface. Prior to Dec. 10, 1999, Top of casing, 0.37 ft above land-surface datum.

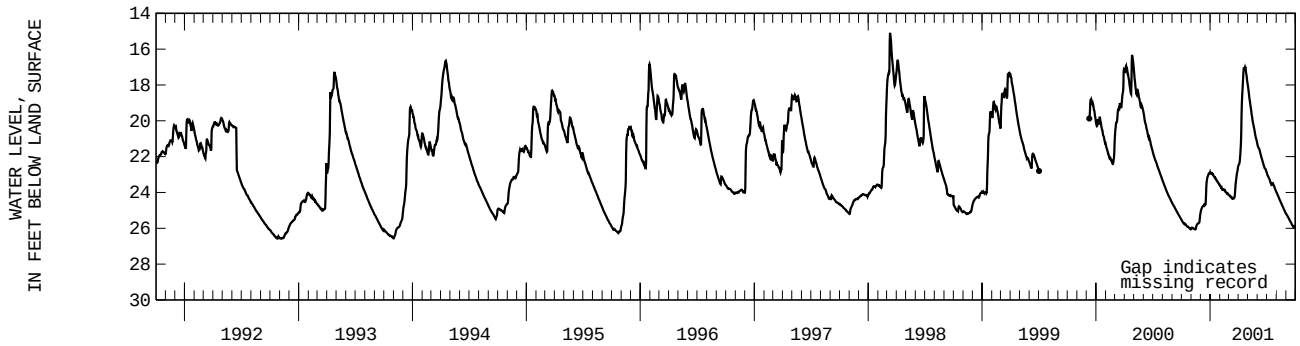
PERIOD OF RECORD.--April 1978 to current year.

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, 26.91 ft below land-surface datum, Sept. 30, 1987.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.55	26.00	25.09	22.93	23.63	24.13	22.50	18.00	21.33	22.90	23.99	25.20
2	25.58	25.97	25.01	22.94	23.65	24.15	22.45	18.12	21.40	22.96	24.03	25.22
3	25.61	25.96	24.95	22.94	23.68	24.18	22.42	18.26	21.45	23.03	24.06	25.25
4	25.64	25.97	24.90	22.92	23.73	24.20	22.38	18.40	21.49	23.06	24.11	25.28
5	25.67	25.98	24.85	22.94	23.74	24.21	22.29	18.55	21.53	23.09	24.15	25.31
6	25.69	25.99	24.81	22.93	23.72	24.20	22.10	18.72	21.54	23.13	24.19	25.34
7	25.72	26.01	24.78	22.96	23.79	24.24	21.89	18.83	21.59	23.17	24.22	25.37
8	25.74	26.01	24.77	22.99	23.84	24.27	21.58	18.95	21.65	23.20	24.27	25.40
9	25.76	26.02	24.76	22.98	23.84	24.28	21.27	19.08	21.72	23.24	24.31	25.43
10	25.77	26.03	24.74	23.02	23.83	24.27	20.71	19.19	21.79	23.29	24.35	25.47
11	25.74	26.04	24.72	23.04	23.85	24.30	19.68	19.31	21.86	23.33	24.40	25.50
12	25.75	26.05	24.69	23.10	23.85	24.33	19.02	19.44	21.92	23.39	24.44	25.54
13	25.77	26.06	24.72	23.13	23.83	24.31	18.59	19.59	21.99	23.45	24.47	25.57
14	25.79	26.06	24.69	23.14	23.84	24.31	18.29	19.70	22.06	23.50	24.51	25.60
15	25.82	26.05	24.70	23.17	23.86	24.35	17.97	19.81	22.11	23.54	24.56	25.64
16	25.84	25.97	24.69	23.16	23.90	24.35	17.61	19.95	22.17	23.58	24.60	25.67
17	25.87	25.88	24.63	23.21	23.89	24.33	17.30	20.05	22.23	23.57	24.63	25.70
18	25.89	25.84	24.19	23.25	23.95	24.31	17.10	20.14	22.30	23.53	24.67	25.73
19	25.91	25.80	23.71	23.25	23.97	24.29	17.11	20.22	22.36	23.49	24.71	25.77
20	25.91	25.78	23.41	23.29	23.98	24.22	17.09	20.30	22.41	23.48	24.76	25.80
21	25.91	25.75	23.32	23.31	23.99	24.04	17.07	20.40	22.48	23.51	24.79	25.83
22	25.93	25.73	23.19	23.37	24.04	23.76	17.01	20.48	22.53	23.55	24.83	25.86
23	25.94	25.72	23.13	23.38	24.04	23.53	17.07	20.58	22.58	23.59	24.87	25.89
24	25.96	25.71	23.09	23.39	24.07	23.38	17.06	20.68	22.64	23.63	24.91	25.92
25	25.98	25.71	23.03	23.43	24.08	23.25	17.25	20.79	22.67	23.68	24.95	25.95
26	25.99	25.69	22.98	23.46	24.07	23.09	17.38	20.87	22.68	23.73	24.98	25.94
27	26.01	25.64	22.94	23.47	24.11	22.96	17.45	20.95	22.70	23.78	25.02	25.89
28	26.03	25.49	22.93	23.51	24.12	22.87	17.62	21.02	22.75	23.83	25.06	25.88
29	26.05	25.32	22.93	23.55	---	22.80	17.79	21.08	22.82	23.87	25.10	25.91
30	26.06	25.18	22.92	23.55	---	22.67	17.88	21.15	22.85	23.91	25.13	25.93
31	26.05	---	22.87	23.57	---	22.55	---	21.23	---	23.95	25.17	---
LOW	26.06	26.06	25.09	23.57	24.12	24.35	22.50	21.23	22.85	23.95	25.17	25.95
HIGH	25.55	25.18	22.87	22.92	23.63	22.55	17.01	18.00	21.33	22.90	23.99	25.20



PENOBSCOT COUNTY--Continued

453629068531801 Local number, PEW 594

LOCATION.--Lat 45°36'29", long 68°53'18", Hydrologic Unit 01020001, on abandoned dirt road, about 8.0 miles southwest of Millinocket, about 0.4 miles south of South Twin Lake and east of Sandy Brook, T4 Indian Purchase. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (ice-contact deposits) of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 30.5 ft., screened depth 10.5 to 30.5 ft, screen slot size 0.008 in.

INSTRUMENTATION.--Electronic water-level recorder.

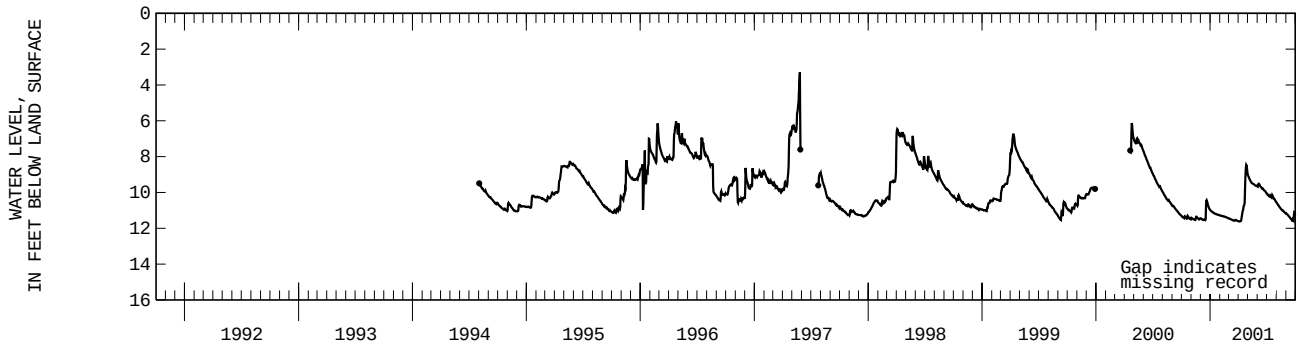
DATUM.--Elevation of land-surface datum is 520 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.-- August 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 3.30 ft below land-surface datum, May 26, 1997; lowest recorded, 11.62 ft below land-surface datum, Apr. 4-5, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.32	11.41	11.44	10.99	11.28	11.45	11.60	9.00	9.67	10.06	10.56	11.17
2	11.34	11.42	11.45	11.01	11.29	11.45	11.61	9.06	9.68	10.08	10.58	11.18
3	11.36	11.44	11.46	11.03	11.29	11.47	11.61	9.10	9.62	10.11	10.61	11.20
4	11.38	11.45	11.48	11.04	11.30	11.47	11.62	9.13	9.53	10.13	10.64	11.22
5	11.39	11.47	11.49	11.06	11.30	11.47	11.62	9.18	9.51	10.13	10.66	11.23
6	11.40	11.48	11.50	11.07	11.31	11.48	11.61	9.23	9.52	10.15	10.69	11.25
7	11.40	11.49	11.52	11.08	11.31	11.49	11.61	9.27	9.55	10.18	10.72	11.27
8	11.41	11.50	11.53	11.10	11.32	11.50	11.60	9.30	9.58	10.20	10.74	11.29
9	11.43	11.51	11.53	11.10	11.32	11.51	11.59	9.33	9.62	10.22	10.76	11.32
10	11.39	11.51	11.54	11.12	11.32	11.51	11.55	9.37	9.65	10.23	10.79	11.34
11	11.33	11.52	11.54	11.13	11.33	11.52	11.43	9.40	9.68	10.23	10.82	11.35
12	11.34	11.53	11.53	11.15	11.33	11.53	11.31	9.42	9.70	10.18	10.84	11.38
13	11.36	11.54	11.51	11.16	11.34	11.54	11.20	9.46	9.71	10.21	10.86	11.40
14	11.40	11.54	11.51	11.17	11.34	11.55	11.09	9.48	9.74	10.24	10.89	11.42
15	11.43	11.47	11.53	11.18	11.35	11.56	11.02	9.49	9.76	10.26	10.91	11.45
16	11.44	11.37	11.54	11.18	11.35	11.56	10.96	9.50	9.79	10.28	10.94	11.47
17	11.46	11.35	11.49	11.19	11.36	11.57	10.86	9.51	9.79	10.18	10.95	11.49
18	11.46	11.36	10.78	11.20	11.36	11.57	10.75	9.52	9.78	10.13	10.96	11.52
19	11.35	11.38	10.46	11.20	11.37	11.58	10.72	9.53	9.80	10.16	10.99	11.54
20	11.30	11.40	10.43	11.21	11.38	11.57	10.69	9.54	9.83	10.21	11.01	11.57
21	11.32	11.42	10.48	11.22	11.39	11.56	10.56	9.55	9.86	10.26	11.01	11.59
22	11.35	11.44	10.53	11.23	11.39	11.54	9.93	9.56	9.88	10.30	11.01	11.59
23	11.38	11.46	10.61	11.23	11.40	11.53	9.30	9.58	9.89	10.33	11.03	11.49
24	11.41	11.48	10.68	11.23	11.41	11.54	8.90	9.60	9.90	10.35	11.05	11.51
25	11.44	11.50	10.74	11.24	11.42	11.55	8.58	9.61	9.91	10.35	11.08	11.54
26	11.46	11.51	10.79	11.25	11.42	11.56	8.46	9.62	9.94	10.38	11.10	11.23
27	11.47	11.50	10.84	11.25	11.43	11.57	8.49	9.63	9.96	10.42	11.11	11.11
28	11.48	11.46	10.88	11.26	11.44	11.58	8.59	9.63	9.99	10.45	11.12	11.13
29	11.49	11.45	10.92	11.26	---	11.59	8.77	9.62	10.02	10.48	11.14	11.19
30	11.50	11.44	10.94	11.27	---	11.59	8.91	9.63	10.03	10.50	11.16	11.25
31	11.44	---	10.96	11.28	---	11.60	---	9.64	---	10.53	11.18	---
LOW	11.50	11.54	11.54	11.28	11.44	11.60	11.62	9.64	10.03	10.53	11.18	11.59
HIGH	11.30	11.35	10.43	10.99	11.28	11.45	8.46	9.00	9.51	10.06	10.56	11.11



SOMERSET COUNTY

445148069513301 Local number, SMW 61

LOCATION.--Lat 44°51'48", long 69°51'33", Hydrologic Unit 01030003, approximately 3.0 mi northeast of Madison. Owner: U.S. Geological Survey.

AQUIFER.--Glaciomarine sand and silt of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in, Sept. 1984 measured depth 40 ft, screened depth 35 to 40 ft, screen slot size 0.010 in.

INSTRUMENTATION.--Electronic water-level recorder. Prior to Dec. 1999, monthly measurements were published.

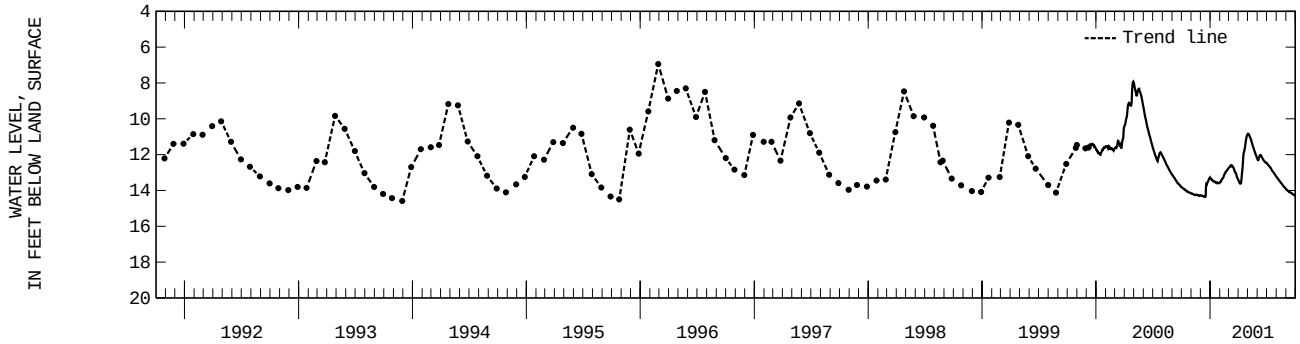
DATUM.--Elevation of land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 0.72 ft above land-surface datum. Prior to Dec. 1999, Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1985 to November 1985, October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.94 ft below land-surface datum, Feb. 27, 1996; lowest measured, 14.59 ft below land-surface datum, Nov. 28, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.82	14.17	14.28	13.31	13.54	12.74	13.43	10.84	12.26	12.47	13.24	13.92
2	13.83	14.18	14.29	13.34	13.52	12.72	13.47	10.84	12.30	12.50	13.26	13.94
3	13.84	14.19	14.30	13.36	13.50	12.70	13.52	10.84	12.31	12.53	13.28	13.96
4	13.86	14.18	14.30	13.36	13.50	12.69	13.56	10.85	12.30	12.55	13.31	13.98
5	13.88	14.19	14.29	13.39	13.46	12.66	13.59	10.88	12.24	12.56	13.34	13.99
6	13.89	14.20	14.30	13.39	13.40	12.63	13.59	10.94	12.16	12.58	13.36	14.02
7	13.90	14.21	14.30	13.42	13.37	12.63	13.61	10.98	12.11	12.61	13.38	14.03
8	13.92	14.22	14.31	13.44	13.36	12.60	13.60	11.01	12.06	12.63	13.40	14.04
9	13.93	14.23	14.32	13.45	13.34	12.59	13.60	11.05	12.03	12.65	13.43	14.06
10	13.93	14.23	14.33	13.48	13.30	12.59	13.52	11.10	12.02	12.67	13.44	14.08
11	13.94	14.24	14.33	13.49	13.29	12.61	13.33	11.15	12.02	12.69	13.47	14.09
12	13.97	14.25	14.32	13.50	13.25	12.66	13.11	11.20	12.03	12.71	13.50	14.10
13	13.97	14.26	14.34	13.50	13.20	12.65	12.94	11.27	12.06	12.74	13.52	14.10
14	13.99	14.26	14.33	13.50	13.15	12.66	12.79	11.33	12.10	12.77	13.54	14.11
15	14.01	14.25	14.34	13.52	13.11	12.70	12.56	11.38	12.14	12.80	13.57	14.12
16	14.03	14.24	14.35	13.52	13.08	12.74	12.26	11.45	12.17	12.83	13.59	14.12
17	14.04	14.23	14.32	13.54	13.03	12.77	12.04	11.50	12.21	12.86	13.61	14.13
18	14.05	14.24	13.81	13.56	13.01	12.81	11.89	11.56	12.24	12.89	13.63	14.14
19	14.04	14.24	13.66	13.55	12.98	12.88	11.85	11.61	12.27	12.92	13.66	14.17
20	14.06	14.25	13.68	13.56	12.94	12.94	11.78	11.67	12.29	12.94	13.68	14.18
21	14.07	14.25	13.65	13.57	12.92	12.98	11.69	11.73	12.32	12.96	13.70	14.19
22	14.09	14.26	13.59	13.59	12.91	12.99	11.58	11.77	12.34	12.98	13.73	14.20
23	14.10	14.28	13.55	13.57	12.88	13.00	11.48	11.82	12.36	13.01	13.75	14.22
24	14.10	14.29	13.51	13.56	12.86	13.05	11.33	11.87	12.39	13.03	13.77	14.23
25	14.11	14.30	13.48	13.57	12.84	13.10	11.22	11.93	12.42	13.05	13.80	14.24
26	14.12	14.30	13.44	13.58	12.80	13.17	11.10	11.97	12.43	13.08	13.81	14.25
27	14.13	14.28	13.39	13.58	12.79	13.23	11.01	12.01	12.44	13.11	13.83	14.26
28	14.13	14.27	13.34	13.59	12.76	13.27	10.95	12.06	12.44	13.14	13.85	14.27
29	14.14	14.27	13.31	13.60	---	13.32	10.91	12.11	12.46	13.16	13.87	14.29
30	14.15	14.27	13.29	13.59	---	13.35	10.87	12.16	12.46	13.19	13.89	14.30
31	14.16	---	13.27	13.56	---	13.38	---	12.20	---	13.22	13.90	---
LOW	14.16	14.30	14.35	13.60	13.54	13.38	13.61	12.20	12.46	13.22	13.90	14.30
HIGH	13.82	14.17	13.27	13.31	12.76	12.59	10.87	10.84	12.02	12.47	13.24	13.92



WALDO COUNTY

442822069081301 Local number, WOW 85

LOCATION.--Lat 44°28'22", long 69°08'13", Hydrologic Unit 01050002, about 2.25 mi northeast of Morrill. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 27 ft; screened depth 17 to 22 ft, screen slot size 0.008 in; screened depth 22 to 27 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder.

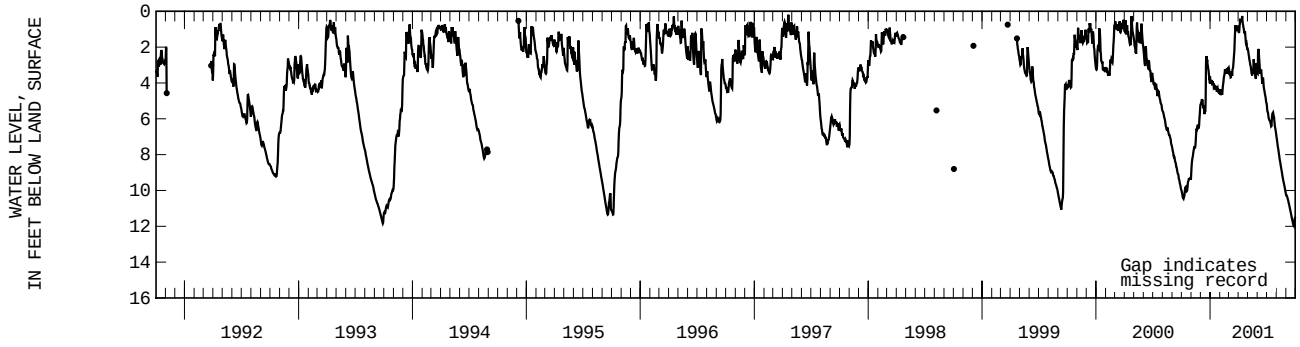
DATUM.--Elevation of land-surface datum is 334 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.06 ft above land-surface datum.

PERIOD OF RECORD.--November 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.05 ft below land-surface datum, Nov. 20, 1990; lowest recorded, 11.99 ft below land-surface datum, Sept. 26, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.03	8.91	5.18	4.04	4.63	3.15	1.09	2.11	3.45	5.23	7.00	10.26
2	10.12	8.59	5.15	3.96	4.54	3.25	1.16	2.19	3.47	5.44	7.10	10.29
3	10.19	8.40	5.08	3.91	4.56	3.45	1.21	2.31	2.23	5.60	7.23	10.29
4	10.33	8.25	5.00	3.83	4.68	3.56	1.03	2.43	2.10	5.62	7.37	10.34
5	10.41	8.16	4.90	3.92	4.45	3.42	.75	2.54	2.21	5.68	7.52	10.40
6	10.43	8.08	5.03	3.88	4.37	3.43	.57	2.70	2.50	5.84	7.62	10.46
7	10.46	7.93	5.02	4.06	4.60	3.69	.60	2.76	2.76	5.95	7.72	10.53
8	10.40	7.80	5.25	4.05	4.66	3.68	.57	2.87	3.05	6.02	7.85	10.59
9	10.35	7.71	5.37	3.92	4.41	3.48	.50	2.99	3.31	6.07	7.98	10.69
10	10.27	7.60	5.40	4.08	4.20	3.34	.42	3.04	3.49	6.09	8.08	10.75
11	10.07	7.61	5.37	4.02	4.06	3.49	.52	3.16	3.32	6.13	8.24	10.83
12	9.91	7.62	5.27	4.24	3.93	3.60	.45	3.29	3.32	6.18	8.34	10.91
13	9.83	7.61	5.74	4.21	3.74	3.25	.26	3.46	3.25	6.25	8.42	11.00
14	9.81	7.51	5.41	4.20	3.61	3.20	.52	3.49	3.50	6.32	8.54	11.08
15	9.90	7.27	5.61	4.23	3.56	3.13	.69	3.58	3.70	6.42	8.65	11.17
16	10.02	6.95	5.57	4.11	3.42	2.89	.77	3.38	3.91	6.40	8.75	11.25
17	10.05	6.63	4.87	4.32	3.24	2.66	.90	3.36	4.04	6.06	8.85	11.34
18	10.03	6.64	2.91	4.37	3.46	2.42	.95	3.47	3.77	5.83	8.95	11.43
19	9.95	6.58	2.60	4.19	3.36	2.19	1.12	3.07	3.70	5.71	9.06	11.51
20	9.79	6.45	2.50	4.34	3.29	1.68	1.20	2.68	3.94	5.68	9.17	11.60
21	9.56	6.38	2.80	4.27	3.29	1.26	1.22	2.89	4.19	5.65	9.27	11.68
22	9.49	6.39	2.70	4.50	3.38	.94	1.11	3.04	4.32	5.74	9.38	11.76
23	9.44	6.50	2.95	4.33	3.20	.77	1.34	3.23	4.41	5.85	9.47	11.84
24	9.36	6.52	3.05	4.29	3.47	1.00	1.54	3.42	4.51	5.89	9.54	11.91
25	9.36	6.50	3.19	4.44	3.34	.98	1.77	3.59	4.62	6.07	9.63	11.96
26	9.36	6.35	3.28	4.46	3.24	1.00	1.82	3.70	4.71	6.27	9.71	11.99
27	9.34	6.00	3.46	4.33	3.26	.96	1.79	3.77	4.79	6.43	9.79	11.82
28	9.32	5.77	3.63	4.53	3.18	1.04	1.97	3.41	4.94	6.52	9.89	11.65
29	9.34	5.49	3.83	4.57	---	1.03	2.08	2.89	5.09	6.61	10.00	11.55
30	9.40	5.23	3.80	4.36	---	.81	2.07	2.98	5.12	6.74	10.08	11.47
31	9.30	---	3.64	4.46	---	.93	---	3.21	---	6.87	10.18	---
LOW	10.46	8.91	5.74	4.57	4.68	3.69	2.08	3.77	5.12	6.87	10.18	11.99
HIGH	9.30	5.23	2.50	3.83	3.18	.77	.26	2.11	2.10	5.23	7.00	10.26



WASHINGTON COUNTY

450713067162801 Local number, WW 796

LOCATION.--Lat 45°07'13", long 67°16'28", Hydrologic Unit 01050001, in Calais, on Charlotte Road, about 2.25 mi south of U.S. Highway 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. 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.

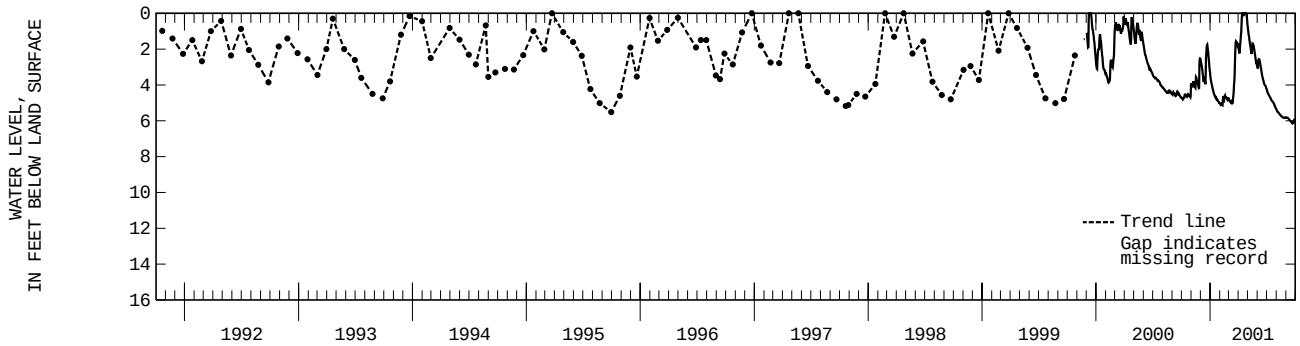
REMARKS.--Well overflowed Apr. 13-17, 22-26.

PERIOD OF RECORD.--September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, overflowed in 1981, 1982, 1983, 1984, 1997, 1998, 1999, 2000, and 2001; lowest recorded, 6.14 ft below land-surface datum, Sept. 21, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.72	4.01	2.62	3.50	5.05	4.75	1.87	.77	2.99	4.26	5.38	5.81
2	4.73	4.03	2.72	3.65	5.08	4.80	1.98	.92	3.08	4.33	5.41	5.82
3	4.73	4.07	2.82	3.76	5.09	4.86	2.13	1.07	2.98	4.41	5.45	5.82
4	4.77	4.07	2.91	3.84	5.12	4.90	2.24	1.23	2.60	4.44	5.49	5.82
5	4.81	4.08	3.01	3.94	5.11	4.91	2.14	1.28	2.60	4.46	5.51	5.83
6	4.79	3.92	3.14	4.00	5.07	4.91	1.87	1.44	2.56	4.51	5.52	5.84
7	4.74	3.79	3.28	4.09	5.10	4.96	1.70	1.58	2.57	4.55	5.53	5.85
8	4.72	3.86	3.46	4.19	5.13	5.00	1.43	1.70	2.63	4.58	5.56	5.87
9	4.71	3.89	3.62	4.24	5.14	5.00	1.22	1.81	2.72	4.61	5.58	5.89
10	4.61	3.90	3.75	4.32	4.90	4.95	1.05	1.92	2.82	4.64	5.60	5.91
11	4.54	3.97	3.84	4.37	4.63	4.99	.62	2.04	2.95	4.67	5.63	5.93
12	4.54	4.04	3.62	4.47	4.80	5.03	.18	2.15	3.04	4.70	5.66	5.95
13	4.53	4.12	3.52	4.52	4.85	5.02	.00	2.27	3.14	4.74	5.67	5.97
14	4.54	4.15	3.61	4.55	4.87	4.94	.00	2.15	3.26	4.78	5.69	5.99
15	4.57	3.89	3.81	4.60	4.66	4.73	.01	1.93	3.36	4.82	5.71	6.01
16	4.63	3.56	3.96	4.61	4.61	4.55	.03	1.74	3.47	4.85	5.73	6.03
17	4.66	3.59	3.47	4.67	4.58	4.31	.02	1.77	3.55	4.88	5.75	6.06
18	4.67	3.70	2.50	4.72	4.66	3.97	.02	1.84	3.62	4.90	5.76	6.08
19	4.63	3.77	2.27	4.71	4.70	3.77	.08	1.79	3.69	4.92	5.78	6.11
20	4.59	3.79	1.92	4.75	4.71	3.33	.06	1.84	3.75	4.94	5.80	6.13
21	4.54	3.82	1.78	4.77	4.70	2.67	.05	1.96	3.83	4.96	5.81	6.14
22	4.57	3.90	1.75	4.84	4.74	2.09	.00	2.06	3.90	4.99	5.81	6.09
23	4.58	4.01	1.88	4.85	4.74	1.65	.00	2.17	3.95	5.02	5.82	6.08
24	4.56	4.11	2.03	4.84	4.79	1.56	.00	2.29	3.99	5.04	5.83	6.09
25	4.59	4.18	2.18	4.88	4.83	1.58	.00	2.42	4.02	5.09	5.84	6.10
26	4.62	4.17	2.37	4.91	4.80	1.60	.00	2.54	4.04	5.15	5.83	6.02
27	4.64	2.80	2.58	4.93	4.76	1.62	.05	2.66	4.06	5.19	5.83	5.94
28	4.65	2.56	2.78	4.96	4.74	1.68	.21	2.75	4.11	5.24	5.83	5.94
29	4.68	2.52	3.01	5.00	---	1.77	.41	2.74	4.18	5.27	5.82	5.94
30	4.56	2.53	3.20	5.00	---	1.73	.62	2.87	4.21	5.30	5.83	5.94
31	3.92	---	3.29	5.01	---	1.69	---	2.95	---	5.34	5.82	---
LOW	4.81	4.18	3.96	5.01	5.14	5.03	2.24	2.95	4.21	5.34	5.84	6.14
HIGH	3.92	2.52	1.75	3.50	4.58	1.56	.00	.77	2.56	4.26	5.38	5.81



WASHINGTON COUNTY--Continued

445227067520101 Local number, WW 797

LOCATION.--Lat 44°52'27", long 67°52'01", Hydrologic Unit 01050002, about 0.35 mi south of State Highway 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. Prior to Oct. 1989, daily mean data were published every fifth day.

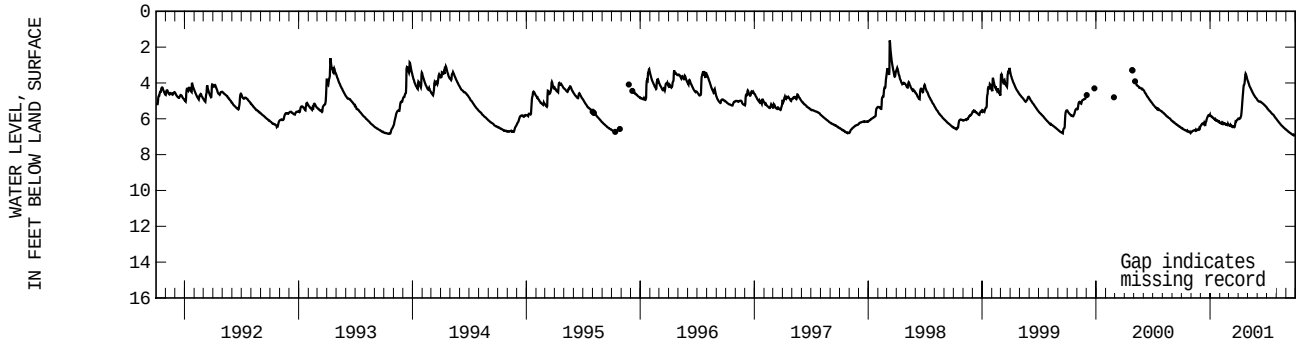
DATUM.--Elevation of land-surface datum is 250 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: V-notch on top of casing, north side of shelter, which is 3.42 ft above land-surface datum.

PERIOD OF RECORD.--September 1985 to current year. Records prior to October 1985 have not been published, but are available in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.63 ft below land-surface datum, Mar. 10, 1998; lowest recorded, 6.94 ft below land-surface datum, Sept. 30, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.52	6.75	6.40	5.84	6.22	6.33	6.01	3.88	4.96	5.37	6.02	6.60
2	6.52	6.74	6.37	5.85	6.23	6.35	6.00	3.92	4.98	5.40	6.04	6.63
3	6.52	6.72	6.34	5.86	6.23	6.37	6.00	3.98	4.99	5.44	6.06	6.64
4	6.56	6.69	6.32	5.86	6.25	6.38	6.01	4.03	5.01	5.45	6.09	6.65
5	6.57	6.68	6.29	5.88	6.24	6.37	6.00	4.08	5.03	5.46	6.11	6.67
6	6.58	6.67	6.29	5.88	6.22	6.34	5.97	4.15	5.04	5.49	6.13	6.68
7	6.59	6.67	6.27	5.91	6.28	6.40	5.96	4.19	5.04	5.52	6.15	6.70
8	6.60	6.66	6.29	5.93	6.29	6.41	5.92	4.22	5.03	5.54	6.18	6.71
9	6.61	6.65	6.29	5.93	6.28	6.41	5.87	4.26	5.03	5.55	6.20	6.73
10	6.61	6.64	6.29	5.95	6.25	6.39	5.80	4.29	5.04	5.56	6.22	6.74
11	6.62	6.64	6.29	5.97	6.30	6.42	5.62	4.33	5.06	5.58	6.24	6.76
12	6.64	6.65	6.24	5.99	6.30	6.44	5.42	4.36	5.06	5.60	6.26	6.77
13	6.64	6.65	6.30	6.01	6.29	6.41	5.17	4.41	5.08	5.62	6.28	6.78
14	6.65	6.64	6.27	6.01	6.26	6.41	4.94	4.44	5.09	5.64	6.31	6.79
15	6.66	6.61	6.32	6.03	6.27	6.45	4.71	4.47	5.10	5.66	6.33	6.80
16	6.67	6.65	6.33	6.01	6.28	6.45	4.50	4.52	5.12	5.69	6.35	6.82
17	6.68	6.63	6.21	6.05	6.22	6.46	4.30	4.55	5.13	5.71	6.37	6.83
18	6.68	6.64	6.16	6.07	6.30	6.46	4.13	4.58	5.14	5.72	6.38	6.85
19	6.66	6.64	6.14	6.06	6.31	6.47	4.11	4.61	5.16	5.74	6.40	6.86
20	6.71	6.62	6.03	6.09	6.30	6.45	4.07	4.65	5.17	5.75	6.42	6.87
21	6.71	6.60	5.99	6.09	6.30	6.36	3.96	4.68	5.20	5.76	6.43	6.88
22	6.72	6.61	5.93	6.12	6.33	6.25	3.75	4.70	5.21	5.78	6.45	6.88
23	6.72	6.62	5.90	6.12	6.32	6.15	3.58	4.73	5.22	5.80	6.47	6.90
24	6.72	6.62	5.86	6.11	6.34	6.16	3.48	4.76	5.24	5.82	6.49	6.91
25	6.74	6.62	5.82	6.14	6.34	6.14	3.51	4.79	5.26	5.85	6.50	6.92
26	6.75	6.59	5.80	6.15	6.29	6.10	3.58	4.81	5.28	5.88	6.52	6.89
27	6.74	6.51	5.79	6.14	6.35	6.08	3.62	4.83	5.29	5.91	6.53	6.90
28	6.72	6.53	5.79	6.17	6.34	6.06	3.70	4.85	5.31	5.93	6.55	6.92
29	6.75	6.48	5.80	6.19	---	6.05	3.78	4.87	5.34	5.95	6.57	6.93
30	6.79	6.43	5.81	6.17	---	6.02	3.83	4.89	5.35	5.97	6.58	6.94
31	6.77	---	5.77	6.20	---	6.00	---	4.92	---	5.99	6.59	---
LOW	6.79	6.75	6.40	6.20	6.35	6.47	6.01	4.92	5.35	5.99	6.59	6.94
HIGH	6.52	6.43	5.77	5.84	6.22	6.00	3.48	3.88	4.96	5.37	6.02	6.60



YORK COUNTY

432310070393301 Local number, YW 807

LOCATION.--Lat 43°23'10", long 70°39'33", Hydrologic Unit 01060003, about 4.5 mi southeast of South Sanford. Owner: U.S. Geological Survey.

AQUIFER.--Ice-contact glaciofluvial deposits of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., measured depth 39 ft, screened depth 34 to 39 feet, screen slot size 0.010 in.

INSTRUMENTATION.--Electronic water-level recorder. Prior to Oct. 1989, daily mean data were published every fifth day.

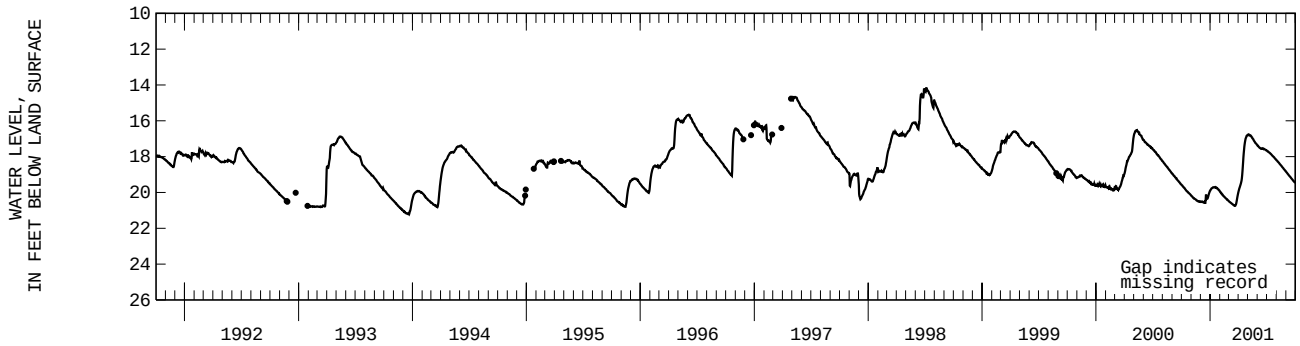
DATUM.--Elevation of land-surface datum is 202 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.9 ft above land-surface datum.

PERIOD OF RECORD.--July 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.18 ft below land-surface datum, July 5 and 6, 1998; lowest recorded, 21.22 ft below land-surface datum, Dec. 20, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.58	20.18	20.53	19.89	19.96	20.48	19.97	16.78	17.38	17.66	18.20	18.85
2	19.60	20.20	20.53	19.85	19.97	20.50	19.90	16.77	17.40	17.68	18.21	18.87
3	19.61	20.22	20.52	19.82	20.00	20.52	19.83	16.77	17.40	17.70	18.23	18.89
4	19.64	20.23	20.52	19.80	20.03	20.53	19.77	16.76	17.43	17.71	18.25	18.91
5	19.67	20.25	20.51	19.77	20.03	20.54	19.72	16.78	17.45	17.71	18.28	18.94
6	19.68	20.28	20.53	19.76	20.06	20.56	19.66	16.82	17.47	17.73	18.29	18.96
7	19.70	20.30	20.53	19.75	20.10	20.57	19.61	16.82	17.49	17.75	18.31	18.98
8	19.73	20.31	20.54	19.74	20.12	20.58	19.55	16.81	17.50	17.76	18.33	19.00
9	19.74	20.33	20.55	19.72	20.12	20.60	19.49	16.82	17.52	17.77	18.35	19.03
10	19.75	20.33	20.55	19.72	20.14	20.61	19.42	16.82	17.53	17.79	18.37	19.05
11	19.78	20.35	20.55	19.71	20.18	20.63	19.34	16.84	17.54	17.80	18.40	19.07
12	19.81	20.36	20.53	19.71	20.20	20.64	19.21	16.86	17.54	17.82	18.42	19.09
13	19.83	20.37	20.56	19.71	20.21	20.65	19.03	16.90	17.56	17.84	18.44	19.11
14	19.85	20.38	20.55	19.71	20.22	20.67	18.82	16.92	17.56	17.85	18.46	19.13
15	19.88	20.39	20.58	19.71	20.25	20.68	18.57	16.93	17.56	17.87	18.48	19.15
16	19.90	20.41	20.58	19.70	20.26	20.70	18.30	16.98	17.55	17.89	18.50	19.17
17	19.92	20.42	20.38	19.72	20.28	20.71	18.04	17.00	17.54	17.91	18.52	19.20
18	19.93	20.45	20.12	19.73	20.30	20.72	17.81	17.02	17.56	17.93	18.54	19.22
19	19.94	20.46	20.23	19.72	20.32	20.74	17.62	17.04	17.56	17.95	18.57	19.24
20	19.97	20.46	20.30	19.74	20.33	20.75	17.44	17.09	17.56	17.97	18.59	19.26
21	19.98	20.47	20.36	19.74	20.35	20.75	17.30	17.12	17.58	17.98	18.61	19.28
22	20.01	20.48	20.35	19.77	20.37	20.74	17.18	17.14	17.57	18.00	18.63	19.30
23	20.02	20.50	20.34	19.77	20.38	20.70	17.09	17.17	17.58	18.02	18.65	19.33
24	20.03	20.51	20.29	19.78	20.41	20.67	17.00	17.19	17.59	18.03	18.68	19.35
25	20.05	20.51	20.23	19.80	20.41	20.61	16.95	17.23	17.60	18.05	18.70	19.36
26	20.07	20.49	20.16	19.82	20.43	20.52	16.91	17.25	17.61	18.08	18.72	19.39
27	20.08	20.49	20.10	19.83	20.45	20.42	16.85	17.26	17.62	18.10	18.74	19.41
28	20.10	20.51	20.04	19.87	20.46	20.32	16.84	17.28	17.63	18.12	18.76	19.43
29	20.12	20.51	20.00	19.88	---	20.22	16.82	17.30	17.65	18.14	18.78	19.45
30	20.14	20.51	19.94	19.89	---	20.13	16.79	17.33	17.65	18.15	18.81	19.47
31	20.17	---	19.90	19.92	---	20.05	---	17.35	---	18.18	18.82	---
LOW	20.17	20.51	20.58	19.92	20.46	20.75	19.97	17.35	17.65	18.18	18.82	19.47
HIGH	19.58	20.18	19.90	19.70	19.96	20.05	16.79	16.76	17.38	17.66	18.20	18.85



Organic pesticide compounds, analyzed by NWQL Schedule 2001, and volatile organic compounds (VOC), analyzed by NWQL Schedule 2020, are listed with minimum reporting levels in the section “EXPLANATION OF RECORDS”. Only compounds detected in one or more water samples are listed on the table starting on the next page. The compounds without a detection are listed in the table below. If a sample was diluted for any reason the reporting level was multiplied by the dilution factor. Therefore, a less-than value (<) higher than the reporting level given below may have been used for some analytes.

Remarks: G/M, gallons per minute; “E”, estimated concentration; “M”, presence verified, not quantified; “<”, less than; 112SRFD, unconsolidated, surficial aquifers; BEDROCK, Fractured-bedrock aquifers; --, no data; LRL, Laboratory Reporting Level; PCode, Parameter Code; State Assigned ID number, Water utility system identification number (subject to change);

Organic Pesticide Table

PCode	Compound name (Common name)	LRL (µg/L)
49260	Acetochlor (Harness Plus, Surpass)	0.004
46342	Alachlor (Lasso, Bullet)	0.002
04040	Atrazine, Deethyl-(Metabolite of Atrazine)	0.006
82686	Azinphos, Methyl- (Guthion, Gusathion)	0.050
82673	Benfluralin (Benefin, Balan)	0.010
04028	Butylate (Genate Plus, Suntan+)	0.002
82680	Carbaryl (Sevin, Denapan)	0.041
82674	Carbofuran (Furandan, Curaterr)	0.020
38933	Chlorpyrifos (Brodan, Dursban)	0.005
04041	Cyanazine (Bledex, Fortrol)	0.018
82682	DCPA (Dacthal, chlorthal-dimethyl)	0.003
34653	DDE,p,p’	0.003
39572	Diazinon (Basudin, Diazatol)	0.005
39381	Dieldrin (Panoram D-31, Octalox)	0.005
82660	2,6-Diethylaniline	0.002
82660	Diethylanaline (Metabolite of Alachlor)	0.002
82677	Disulfoton (Disyston, Frumin AL)	0.021
82668	EPTC (Eptam, Farmarox)	0.002
82663	Ethalfluralin (Sonalan, Curbit)	0.009
82672	Ethoprop (Mocap, Ethoprophos)	0.005
04095	Fonofos (Dyfonate, Capfos)	0.003
34253	HCH,alpha- (alpha-BHC, alpha-lindane)	0.005
39341	HCH,gamma- (Lindane, gamma-BHC)	0.004
82666	Linuron (Lorex, Linex)	0.035
39532	Malathion	0.027
39415	Metolachlor (Dual, Pennant)	0.013
82630	Metribuzin (Lexon, Sencor)	0.006
82671	Molinate (Ordram)	0.002
82684	Napropamide (Devrinol)	0.007
39542	Parathion, Ethyl- (Roethyl-P, Alkron)	0.007
82667	Parathion, Methyl- (Penncap-M)	0.006
82669	Pebulate (Tillam, PEBL)	0.002
82683	Pendimethalin (Prowl, Stomp, Pre-M)	0.010
82687	Permethrin,cis- (Ambush, Astro)	0.006
82664	Phorate (Thimet, Granutox)	0.011
04037	Prometon (Pramitol, Princep)	0.015
82676	Pronamide (Kerb) (Propyzamid)	0.004
04024	Propachlor (Ramrod, Satecid)	0.010
82679	Propanil (Stampede, Stam)	0.011
82685	Propargite (Omite, Alkyl sulfite)	0.023
04035	Simazine (Princep, Caliber 91)	0.011
39632	Atrazine (Atrex, Atred)	0.007
82665	Terbacil (Sinbar)	0.034
82675	Terbufos (Counter, Contraven)	0.017
82681	Thiobencarb (Bolero, Saturn)	0.005
82678	Triallate (Avadex BW, Far-GO)	0.002
82661	Trifluralin (Treflan, Gowan)	0.009

Volatile Organic Compound Table

PCode	Compound name	LRL (µg/L)
77353	(1,1-Dimethylethyl) benzene	0.06
77223	(1-Methylethyl) benzene	0.032
77350	(1-Methylpropyl) benzene	0.032
34396	1,1,1,2,2,2-Hexachloroethane	0.19
77562	1,1,1,2-Tetrachloroethane	0.03
34516	1,1,2,2-Tetrachloroethane	0.09
77652	1,1,2-Trichloro-1,2,2-trifluoroethane	0.06
34511	1,1,2-Trichloroethane	0.06

Volatile Organic Compound Table--Continued

PCode	Compound name	LRL (µg/L)
34501	1,1-Dichloroethene	0.04
77168	1,1-Dichloropropene	0.026
49999	1,2,3,4-Tetramethylbenzene	0.23
50000	1,2,3,5-Tetramethylbenzene	0.20
77613	1,2,3-Trichlorobenzene	0.27
77443	1,2,3-Trichloropropane	0.16
77221	1,2,3-Trimethylbenzene	0.12
34551	1,2,4-Trichlorobenzene	0.19
77222	1,2,4-Trimethylbenzene	0.056
82625	1,2-Dibromo-3-chloropropane	0.21
77651	1,2-Dibromoethane	0.036
34536	1,2-Dichlorobenzene	0.031
32103	1,2-Dichloroethane	0.13
34541	1,2-Dichloropropane	0.029
77135	1,2-Dimethylbenzene	0.038
85795	1,3 & 1,4-Dimethylbenzene	0.06
77226	1,3,5-Trimethylbenzene	0.044
34566	1,3-Dichlorobenzene	0.03
77173	1,3-Dichloropropane	0.12
77275	1-Chloro-2-methylbenzene	0.026
77277	1-Chloro-4-methylbenzene	0.06
77356	1-Isopropyl-4-methylbenzene	0.07
77170	2,2-Dichloropropane	0.05
81595	2-Butanone	1.60
77220	2-Ethyltoluene	0.06
77103	2-Hexanone	0.70
34215	Acrylonitrile	1.20
78109	3-Chloro-1-propene	0.07
78133	4-Methyl-2-pentanone	0.37
81552	Acetone	7.00
34030	Benzene	0.035
81555	Bromobenzene	0.036
77297	Bromochloromethane	0.044
32101	Bromodichloromethane	0.048
50002	Bromoethene	0.10
34413	Bromomethane	0.26
77041	Carbon disulfide	0.07
34311	Chloroethane	0.12
39175	Chloroethene	0.11
34418	Chloromethane	0.25
34704	*cis*-1,3-Dichloropropene	0.09
32105	Dibromochloromethane	0.18
30217	Dibromomethane	0.05
81576	Diethyl ether	0.17
81577	Di isopropyl	0.10
77128	Ethenylbenzene	0.042
73570	Ethyl methacrylate	0.18
50004	Ethyl *tert*-butyl ether	0.054
34371	Ethylbenzene	0.03
39702	Hexachlorobutadiene	0.14
77424	Iodomethane	0.12
49991	Methyl acrylate	1.40
81593	Methyl acrylonitrile	0.60
81597	Methyl methacrylate	0.35
34010	Methylbenzene	0.05
77342	*n*-Butylbenzene	0.19
77224	*n*-Propylbenzene	0.042
34696	Naphthalene	0.25
50005	*tert*-Amyl methyl ether	0.11
32102	Tetrachloromethane	0.06
81607	Tetrahydrofuran	2.20
34546	*trans*-1,2-Dichloroethene	0.032
34699	*trans*-1,3-Dichloropropene	0.09
73547	*trans*-1,4-Dichloro-2-butene	0.70
32104	Tribromomethane	0.06
34488	Trichlorofluoromethane	0.09

LOCAL IDENTIFIER	STATE ASSIGNED ID NO. OR USGS STATION ID NO.	TOWN	GEO-LOGIC UNIT	DATE	TIME	LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH TOP OF SCREEN (FT BLS) (72015)	TO BOTTOM OF SCREEN (FT BLS) (72016)
CUMBERLAND COUNTY								
ME-CW 2023	435342070301601	Raymond	BEDROCK	10-16-00	1100	22.17	--	--
ME-CW 2025	ME91670203	Yarmouth	112SRFD	09-24-01	1100	21.50	39	54
KENNEBEC COUNTY								
ME-KW 887	442407069501801	Belgrade	BEDROCK	10-17-00	1100	56.24	--	--
OXFORD COUNTY								
ME-OW 387	ME91180201	Oxford	112SRFD	09-26-01	1100	24.51	67	82
ME-OW 1781	435858070475901	Denmark	BEDROCK	10-19-00	1100	5.06	--	--
ME-OW 1782	443852070401901	Ellis Pond	BEDROCK	10-18-00	1100	40.15	--	--
PENOBSCOT COUNTY								
ME-PEW 622	445601069182001	Corrina	BEDROCK	10-04-00	1100	22.24	--	--
SOMERSET COUNTY								
ME-SMW 86	ME90180201	Bingham	112SRFD	09-25-01	1100	16.67	--	75
YORK COUNTY								
ME-YW 858	431341070441901	Berwick	BEDROCK	10-03-00	1100	flowing	--	--
ME-YW 859	ME91410202	Sanford	112SRFD	07-31-01	1100	24.89	35	45

LOCAL IDENTIFIER	DATE	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE FLOW RATE (G/M) (00059)	WELL YIELD RATE (G/M) (00058)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
CUMBERLAND COUNTY											
ME-CW 2023	10-16-00	140	1.0	--	270	85	.3	6.5	55	6.3	120
ME-CW 2025	09-24-01	54	6.0	260	180	131	.4	6.8	59	6.5	215
KENNEBEC COUNTY											
ME-KW 887	10-17-00	304	1.5	--	330	97	.3	.2	2	9.3	151
OXFORD COUNTY											
ME-OW 387	09-26-01	90.7	1.0	600	354	176	.2	5.6	50	6.4	305
ME-OW 1781	10-19-00	235	1.0	--	480	297	.6	.4	3	8.3	521
ME-OW 1782	10-18-00	128	1.5	--	970	75	3.5	.1	1	8.9	107
PENOBSCOT COUNTY											
ME-PEW 622	10-04-00	302	1.0	--	540	214	.2	.2	2	8.0	370
SOMERSET COUNTY											
ME-SMW 86	09-25-01	75	6.0	1,200	360	52	.2	5.6	47	6.6	82
YORK COUNTY											
ME-YW 858	10-03-00	182	1.0	--	170	126	.3	.1	1	7.5	203
ME-YW 859	07-31-01	45	5.0	280	300	163	.1	5.8	52	5.6	245

LOCAL IDENTIFIER	DATE	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN GAS DISS. (MG/L AS N2) (00597)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	SODIUM PERCENT (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)
CUMBERLAND COUNTY											
ME-CW 2023	10-16-00	10.4	22.1	49.0	13.1	3.95	4.8	.301	16.9	2.22	46
ME-CW 2025	09-24-01	9.2	20.6	74.7	21.8	4.89	11.6	.583	24.5	2.30	49
KENNEBEC COUNTY											
ME-KW 887	10-17-00	10.0	21.6	32.2	9.67	1.94	20.5	1.58	56.1	2.21	69
OXFORD COUNTY											
ME-OW 387	09-26-01	9.7	22.2	82.6	26.2	4.08	22.2	1.06	36.2	2.28	53
ME-OW 1781	10-19-00	10.5	--	65.8	19.4	4.11	85.5	4.60	73.1	2.49	164
ME-OW 1782	10-18-00	9.0	22.9	40.0	11.8	2.52	6.2	.431	23.6	3.19	47
PENOBSCOT COUNTY											
ME-PEW 622	10-04-00	9.8	25.7	189	24.5	30.9	6.1	.193	6.54	.91	170
SOMERSET COUNTY											
ME-SMW 86	09-25-01	7.4	22.0	37.3	11.2	2.27	1.8	.132	9.48	.86	28
YORK COUNTY											
ME-YW 858	10-03-00	10.7	23.0	62.1	13.6	6.79	18.0	.996	37.8	2.12	86
ME-YW 859	07-31-01	10.4	20.8	43.5	13.1	2.60	30.0	1.98	58.7	2.09	14

LOCAL IDENTIFIER	DATE	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
CUMBERLAND COUNTY											
ME-CW 2023	10-16-00	56	0	.03	4.1	E.1	16.9	4.7	<.041	<.10	1.18
ME-CW 2025	09-24-01	60	0	.03	29.1	<.2	16.6	7.4	<.040	<.10	1.26
KENNEBEC COUNTY											
ME-KW 887	10-17-00	80	2	<.01	2.3	1.0	11.6	9.7	<.041	<.10	<.047
OXFORD COUNTY											
ME-OW 387	09-26-01	65	0	.04	42.1	<.2	13.3	15.9	<.040	<.10	2.36
ME-OW 1781	10-19-00	200	0	.18	63.9	3.2	13.4	2.4	<.041	<.10	<.047
ME-OW 1782	10-18-00	56	0	<.01	2.1	.2	11.3	7.9	<.041	<.10	<.047
PENOBSCOT COUNTY											
ME-PEW 622	10-04-00	207	0	.03	6.5	<.1	14.0	23.2	<.020	<.10	.101
SOMERSET COUNTY											
ME-SMW 86	09-25-01	35	0	.01	2.3	<.2	10.3	8.2	<.040	E.05	.111
YORK COUNTY											
ME-YW 858	10-03-00	105	0	.06	5.1	1.3	20.7	9.7	.022	<.10	<.050
ME-YW 859	07-31-01	17	0	.03	56.1	<.2	9.9	7.7	<.040	<.10	.819

LOCAL IDENTIFIER	DATE	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2) (00405)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARGON GAS (MG/L AS A) (82043)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)
CUMBERLAND COUNTY											
ME-CW 2023	10-16-00	<.006	.030	.029	33	.44	1	<.05	.797	E.2	<1.0
ME-CW 2025	09-24-01	<.006	<.006	<.020	24	.68	<1	.05	.740	.3	3.8
KENNEBEC COUNTY											
ME-KW 887	10-17-00	<.006	.008	<.018	.3	E.27	2	<.05	.792	47.7	<1.0
OXFORD COUNTY											
ME-OW 387	09-26-01	<.006	E.005	<.020	45	.63	8	<.05	.751	<.2	16.9
ME-OW 1781	10-19-00	<.006	.009	E.016	--	<.33	<1	E.03	--	.2	2.2
ME-OW 1782	10-18-00	<.006	.096	.088	.7	.48	1	<.05	.824	.7	29.6
PENOBSCOT COUNTY											
ME-PEW 622	10-04-00	<.010	<.006	<.010	4.3	E.32	<1	1.85	.816	9.0	93.0
SOMERSET COUNTY											
ME-SMW 86	09-25-01	<.006	E.005	<.020	10	E.26	1	<.05	.800	1.0	1.1
YORK COUNTY											
ME-YW 858	10-03-00	<.010	.014	<.010	5.0	E.25	<1	.07	.821	.8	43.7
ME-YW 859	07-31-01	<.006	<.006	<.020	48	E.24	14	<.05	.740	E.1	10.2

LOCAL IDENTIFIER	DATE	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
CUMBERLAND COUNTY											
ME-CW 2023	10-16-00	<.06	E5	<.04	E.7	.05	8.7	<10	2.11	5.1	3.6
ME-CW 2025	09-24-01	<.06	12	<.04	1.2	.05	.4	<10	<.08	2.5	.1
KENNEBEC COUNTY											
ME-KW 887	10-17-00	<.06	13	<.04	<.8	.02	E.1	M	<.08	2.5	16.2
OXFORD COUNTY											
ME-OW 387	09-26-01	<.06	33	<.04	<.8	.25	1.2	20	.23	1.0	5.0
ME-OW 1781	10-19-00	E.04	9	.04	<.8	.05	E.1	630	<.08	61.5	20.9
ME-OW 1782	10-18-00	<.06	E4	<.04	<.8	.04	E.1	20	<.08	6.6	47.5
PENOBSCOT COUNTY											
ME-PEW 622	10-04-00	<.06	7	<.04	<.8	.08	.9	<10	1.94	6.4	2.8
SOMERSET COUNTY											
ME-SMW 86	09-25-01	<.06	9	<.04	<.8	.02	1.6	<10	<.08	.5	3.6
YORK COUNTY											
ME-YW 858	10-03-00	.17	11	<.04	E.8	.07	E.2	630	.10	7.2	171
ME-YW 859	07-31-01	E.04	12	.04	<.8	.04	4.3	<10	.17	<.3	2.8

LOCAL IDENTIFIER	DATE	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	METHANE GAS UG/L AS CH4) (76994)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)
CUMBERLAND COUNTY											
ME-CW 2023	10-16-00	.5	.34	<.3	<1.0	67.3	E.02	1.6	1	0	<.016
ME-CW 2025	09-24-01	E.1	<.06	<.3	<1.0	105	<.04	.3	<1	0	<.016
KENNEBEC COUNTY											
ME-KW 887	10-17-00	1.5	.10	<.3	<1.0	46.6	<.04	<.2	<1	14.9	<.016
OXFORD COUNTY											
ME-OW 387	09-26-01	E.1	.59	<.3	<1.0	207	<.04	<.2	2	0	.048
ME-OW 1781	10-19-00	18.8	.08	<.3	<1.0	378	<.04	<.2	2	--	<.016
ME-OW 1782	10-18-00	2.5	<.06	E.3	<1.0	78.9	<.04	.7	<1	6.15	<.016
PENOBSCOT COUNTY											
ME-PEW 622	10-04-00	1.2	1.90	<.3	<1.0	522	.27	<.2	<1	0	<.016
SOMERSET COUNTY											
ME-SMW 86	09-25-01	.4	<.06	<.3	<1.0	34.3	<.04	<.2	<1	0	<.016
YORK COUNTY											
ME-YW 858	10-03-00	2.3	<.06	<.3	<1.0	112	.32	<.2	<1	1.90	<.016
ME-YW 859	07-31-01	<.2	.31	<.3	<1.0	141	<.04	<.2	2	0	<.016

LOCAL IDENTIFIER	DATE	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2-DI-CHLORO-ETHENE WATER TOTAL (UG/L) (77093)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	TETRA-CHLORO-ETHYL-ENE TOTAL (UG/L) (34475)	TRI-CHLORO-ETHYL-ENE TOTAL (UG/L) (39180)
CUMBERLAND COUNTY											
ME-CW 2023	10-16-00	<.03	<.04	<.05	<.03	<.02	<.04	<.3	<.2	<.1	<.04
ME-CW 2025	09-24-01	<.03	<.04	<.05	<.03	E.03	<.04	M	.9	<.1	<.04
KENNEBEC COUNTY											
ME-KW 887	10-17-00	<.03	<.04	<.05	<.03	<.02	<.04	<.3	<.2	<.1	<.04
OXFORD COUNTY											
ME-OW 387	09-26-01	E.01	<.04	E.05	E.09	E.02	E.01	<.3	.2	.1	E.04
ME-OW 1781	10-19-00	<.03	<.04	<.05	<.03	<.02	<.04	<.3	<.2	<.1	<.04
ME-OW 1782	10-18-00	<.03	.14	<.05	<.03	<.02	<.04	<.3	<.2	<.1	<.04
PENOBSCOT COUNTY											
ME-PEW 622	10-04-00	<.03	<.04	<.05	<.03	<.02	<.04	<.3	<.2	<.1	<.04
SOMERSET COUNTY											
ME-SMW 86	09-25-01	<.03	<.04	<.05	<.03	<.02	<.04	<.3	<.2	<.1	<.04
YORK COUNTY											
ME-YW 858	10-03-00	<.03	<.04	<.05	<.03	<.02	<.04	<.3	<.2	<.1	<.04
ME-YW 859	07-31-01	<.03	<.04	<.05	<.03	E.04	<.04	<.3	E.1	<.1	<.04

LOCAL IDENTIFIER	DATE	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS-SOLVED (PCI/L) (09503)	RADIUM 228 DIS-SOLVED (PCI/L AS RA-228) (81366)	RA-224 WATER FLTRD (PCI/L) (50833)	RADON 222 TOTAL (PCI/L) (82303)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)
				CUMBERLAND COUNTY						
ME-CW 2023	10-16-00	33.0	26.1	-60.20	-9.28	.23	.51	M	45,300	11.1
ME-CW 2025	09-24-01	.57	3.17	--	--	.09	.31	M	2,210	2.40
				KENNEBEC COUNTY						
ME-KW 887	10-17-00	<3.00	<4.00	-65.20	-9.98	.05	1.16	.08	1,380	.25
				OXFORD COUNTY						
ME-OW 387	09-26-01	4.84	5.48	-66.71	-9.98	.12	--	.12	1,310	15.8
ME-OW 1781	10-19-00	E79.6	76.0	-72.30	-10.90	.07	.33	.22	5,740	14.4
ME-OW 1782	10-18-00	7.00	6.40	-71.40	-10.56	.10	.57	.03	7,570	2.25
				PENOBSCOT COUNTY						
ME-PEW 622	10-04-00	8.12	<4.00	-69.60	-10.45	.26	.97	.10	506	5.11
				SOMERSET COUNTY						
ME-SMW 86	09-25-01	.14	.50	-64.94	-9.91	.01	.12	.12	777	.12
				YORK COUNTY						
ME-YW 858	10-03-00	6.08	4.95	-58.00	-9.08	1.10	1.36	.78	8,000	.64
ME-YW 859	07-31-01	.52	4.99	-57.41	-8.83	.09	.21	.07	1,740	.14

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.

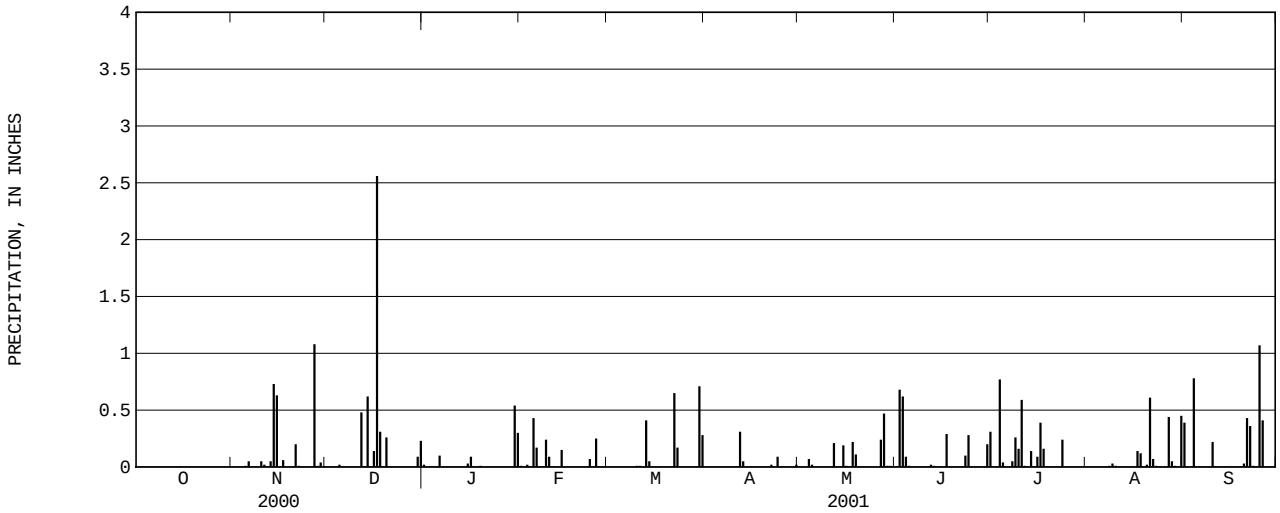
PERIOD OF RECORD.--November 2000 to September 2001.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 inch tip increment, mounted on 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 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	.00	.02	.01	.00	.00	.00	.00	.31	.00	.39
2	---	---	.00	.00	.00	.00	.00	.00	.68	.00	.00	.00
3	---	.00	.00	.00	.02	.00	.00	.00	.62	.00	.00	.00
4	---	.00	.00	.00	.00	.00	.00	.07	.09	.77	.00	.78
5	---	.01	.02	.00	.43	.00	.00	.02	.01	.04	.00	.00
6	---	.05	.00	.10	.17	.00	.00	.00	.00	.00	.00	.00
7	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	---	.00	.00	.00	.00	.00	.00	.00	.00	.05	.01	.00
9	---	.00	.00	.00	.24	.00	.00	.00	.00	.26	.03	.00
10	---	.05	.00	.00	.09	.01	.00	.00	.00	.16	.01	.22
11	---	.02	.00	.00	.00	.01	.00	.00	.00	.59	.00	.00
12	---	.00	.48	.00	.00	.00	.31	.21	.02	.01	.00	.00
13	---	.05	.00	.00	.00	.41	.05	.00	.01	.00	.00	.00
14	---	.73	.62	.00	.15	.05	.00	.00	.00	.14	.00	.00
15	---	.63	.00	.03	.00	.00	.00	.19	.00	.00	.00	.00
16	---	.00	.14	.09	.00	.00	.00	.01	.00	.09	.00	.00
17	---	.06	2.56	.00	.00	.00	.00	.00	.29	.39	.14	.00
18	---	.00	.31	.00	.00	.00	.00	.22	.00	.16	.12	.00
19	---	.00	.00	.01	.00	.00	.00	.11	.00	.00	.00	.00
20	---	.00	.26	.00	.00	.00	.00	.00	.00	.00	.02	.03
21	---	.20	.00	.00	.00	.00	.00	.00	.00	.00	.61	.43
22	---	.01	.00	.00	.00	.65	.02	.00	.00	.00	.07	.36
23	---	.00	.00	.00	.07	.17	.00	.00	.10	.00	.01	.01
24	---	.00	.00	.00	.00	.00	.09	.00	.28	.24	.00	.00
25	---	.00	.00	.00	.25	.00	.00	.00	.00	.00	.00	1.07
26	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.41
27	---	1.08	.00	.00	.00	.00	.00	.24	.00	.00	.44	.00
28	---	.01	.00	.00	.00	.00	.00	.47	.00	.00	.05	.00
29	---	.04	.00	.00	---	.00	.00	.01	.00	.00	.01	.00
30	---	.00	.09	.54	---	.71	.02	.01	.20	.00	.00	.00
31	---	---	.23	.30	---	.28	---	.00	---	.00	.45	---
TOTAL	---	---	4.71	1.09	1.43	2.29	0.49	1.56	2.30	3.21	1.97	3.70



01031300 PISCATAQUIS RIVER AT BLANCHARD, ME

LOCATION.--Lat 45°16'02", long 69°35'03", Piscataquis County, Hydrologic Unit 01020004, on left bank at downstream side of bridge in the Town of Blanchard, 1.0 miles downstream of the confluence of the east and west branches of the Piscataquis River.

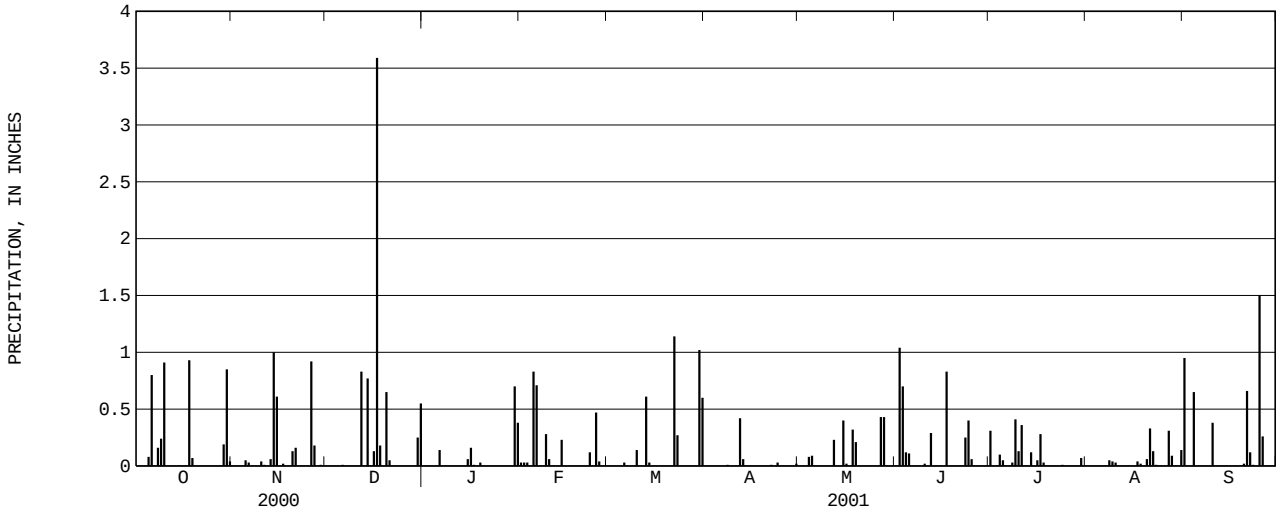
PERIOD OF RECORD.--October 1997 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in.diameter, tipping bucket gage with 0.01 inch 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.--Gage is operated in conjunction with a co-located streamflow gage as part of the upper Piscataquis River flood warning system. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.03	.00	.00	.00	.00	.31	.00	.95
2	.00	.00	.00	.00	.03	.00	.00	.00	1.04	.00	.00	.00
3	.00	.00	.00	.00	.03	.00	.00	.00	.70	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.08	.12	.10	.00	.65
5	.08	.05	.00	.00	.83	.00	.00	.09	.11	.05	.00	.00
6	.80	.03	.01	.14	.71	.03	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.16	.00	.00	.00	.00	.00	.01	.00	.00	.03	.05	.00
9	.24	.00	.00	.00	.28	.00	.00	.00	.00	.41	.04	.00
10	.91	.04	.00	.00	.06	.14	.00	.00	.02	.13	.03	.38
11	.00	.01	.00	.00	.00	.00	.00	.00	.00	.36	.00	.00
12	.00	.00	.83	.00	.00	.00	.42	.23	.29	.00	.00	.00
13	.00	.06	.00	.00	.00	.61	.06	.00	.00	.00	.00	.00
14	.00	1.00	.77	.00	.23	.03	.00	.00	.00	.12	.00	.00
15	.00	.61	.00	.06	.00	.00	.00	.40	.00	.00	.00	.00
16	.00	.00	.13	.16	.00	.00	.00	.02	.00	.05	.00	.00
17	.00	.02	3.59	.01	.00	.00	.00	.00	.83	.28	.04	.00
18	.93	.00	.18	.00	.00	.00	.00	.32	.00	.03	.02	.00
19	.07	.00	.00	.03	.00	.00	.00	.21	.00	.00	.00	.00
20	.00	.13	.65	.00	.00	.00	.00	.00	.00	.00	.06	.02
21	.00	.16	.05	.00	.00	.00	.00	.00	.00	.00	.33	.66
22	.00	.00	.00	.00	.00	1.14	.01	.00	.00	.00	.13	.12
23	.00	.00	.00	.00	.12	.27	.00	.00	.25	.00	.01	.01
24	.00	.00	.00	.00	.00	.00	.03	.00	.40	.01	.00	.00
25	.00	.00	.00	.00	.47	.00	.00	.00	.06	.00	.00	1.50
26	.00	.92	.00	.00	.04	.00	.00	.00	.00	.00	.00	.26
27	.00	.18	.00	.00	.00	.00	.00	.43	.00	.00	.31	.00
28	.00	.00	.00	.00	.00	.00	.00	.43	.00	.00	.09	.00
29	.19	.01	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.85	.00	.25	.70	---	1.02	.02	.00	.00	.07	.00	.00
31	.04	---	.55	.38	---	.60	---	.00	---	.00	.14	---
TOTAL	4.27	3.22	7.01	1.48	2.83	3.84	0.55	2.21	3.82	1.95	1.25	4.55



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.

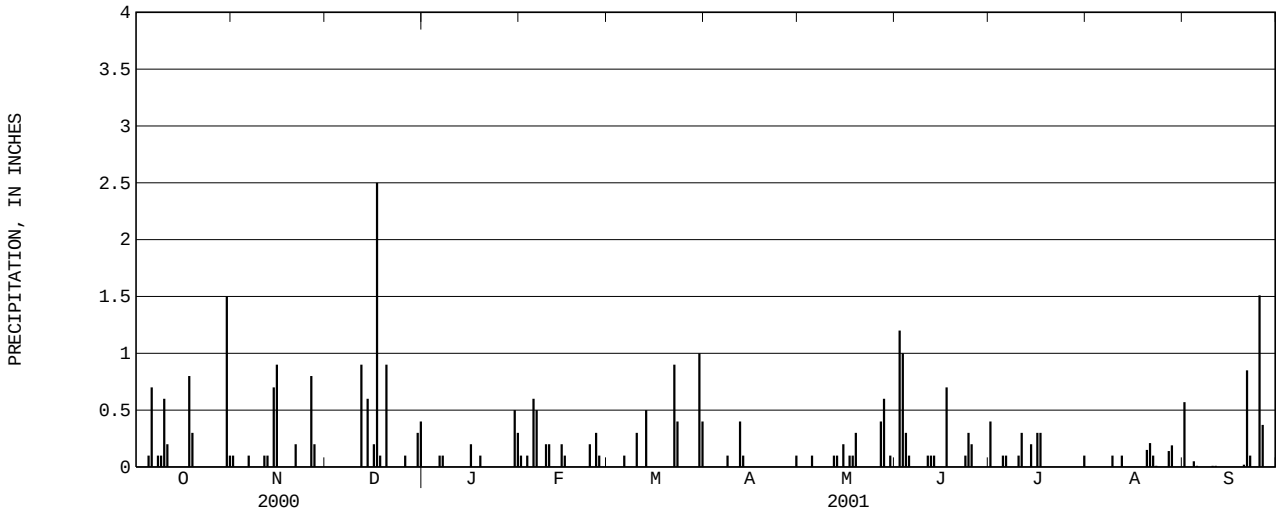
PERIOD OF RECORD.--October 1997 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 in. tip increment, mounted on a 6 ft platform with the top of the collector 7 ft above the ground. Elevation of gage is 915 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to August 14, 2001, unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, at same location.

REMARKS.--Gage is operated as part of the upper Piscataquis River flood warning system. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.1	.0	.0	.1	.0	.0	.0	.0	.4	.0	.57
2	.0	.0	.0	.0	.0	.0	.0	.0	1.2	.0	.0	.00
3	.0	.0	.0	.0	.1	.0	.0	.0	1.0	.0	.0	.00
4	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.05
5	.1	.0	.0	.0	.6	.0	.0	.1	.1	.1	.0	.01
6	.7	.1	.0	.1	.5	.1	.0	.0	.0	.1	.0	.00
7	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.00
8	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0	.00
9	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.1	.00
10	.6	.0	.0	.0	.2	.3	.0	.0	.0	.1	.0	.01
11	.2	.1	.0	.0	.0	.0	.0	.0	.1	.3	.0	.01
12	.0	.1	.9	.0	.0	.0	.4	.1	.1	.0	.1	.00
13	.0	.0	.0	.0	.0	.5	.1	.1	.1	.0	.0	.00
14	.0	.7	.6	.0	.2	.0	.0	.0	.0	.2	.0	.00
15	.0	.9	.0	.0	.1	.0	.0	.2	.0	.0	.00	.00
16	.0	.0	.2	.2	.0	.0	.0	.0	.0	.3	.00	.00
17	.0	.0	2.5	.0	.0	.0	.0	.1	.7	.3	.00	.00
18	.8	.0	.1	.0	.0	.0	.0	.1	.0	.0	.00	.00
19	.3	.0	.0	.1	.0	.0	.0	.3	.0	.0	.00	.00
20	.0	.0	.9	.0	.0	.0	.0	.0	.0	.0	.15	.02
21	.0	.2	.0	.0	.0	.0	.0	.0	.0	.0	.21	.85
22	.0	.0	.0	.0	.0	.9	.0	.0	.0	.0	.10	.10
23	.0	.0	.0	.0	.2	.4	.0	.0	.1	.0	.01	.00
24	.0	.0	.0	.0	.0	.0	.0	.0	.3	.0	.00	.00
25	.0	.0	.0	.0	.3	.0	.0	.0	.2	.0	.00	1.51
26	.0	.8	.1	.0	.1	.0	.0	.0	.0	.0	.00	.37
27	.0	.2	.0	.0	.0	.0	.0	.4	.0	.0	.14	.00
28	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.19	.00
29	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.00	.00
30	1.5	.0	.3	.5	---	1.0	.1	.1	.0	.0	.00	.00
31	.1	---	.4	.3	---	.4	---	.0	---	.1	.00	---
TOTAL	4.50	3.2	6.0	1.3	2.6	3.6	0.7	2.1	4.2	1.9	1.0	3.50



01031450 KINGSBURY STREAM AT ABBOT VILLAGE, ME

LOCATION.--Lat 45°11'05", long 69°27'10", Piscataquis County, Hydrologic Unit 01020004, on left bank 200 ft upstream from Route 15/16 bridge in Abbot Village, and 0.9 mi upstream from mouth.

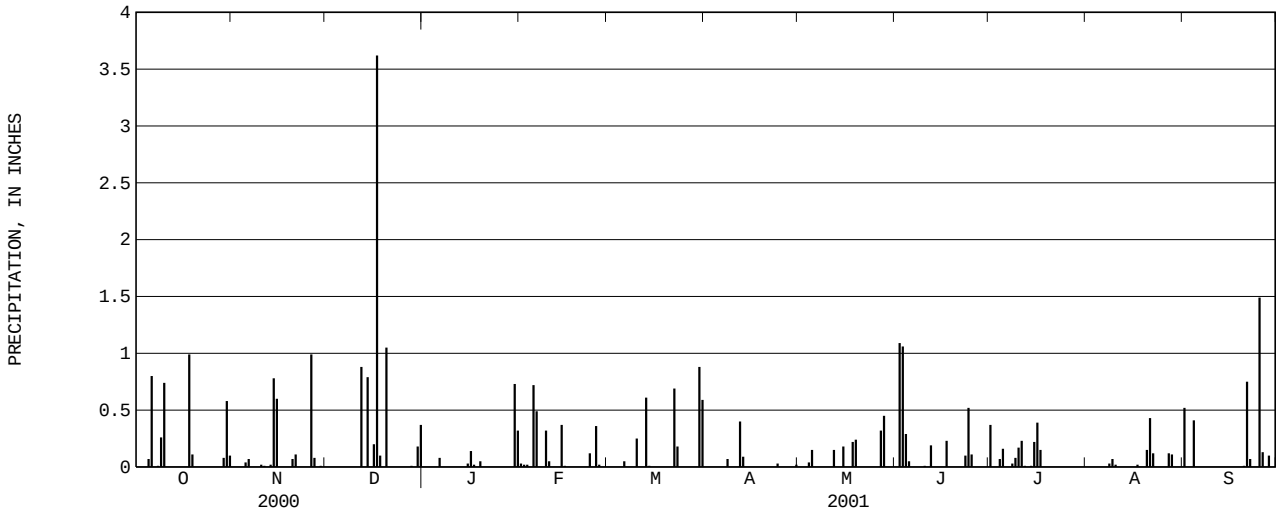
PERIOD OF RECORD.--October 1997 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 inch tip increment, mounted on 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 as part of the upper Piscataquis River flood warning system. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.03	.00	.00	.00	.00	.37	.00	.52
2	.00	.00	.00	.00	.02	.00	.00	.00	1.09	.00	.00	.00
3	.00	.00	.00	.00	.02	.00	.00	.00	1.06	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.04	.29	.07	.00	.41
5	.07	.04	.00	.00	.72	.00	.00	.15	.05	.16	.00	.00
6	.80	.07	.00	.08	.49	.05	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.01	.00	.00	.00	.00	.00	.07	.00	.00	.03	.03	.00
9	.26	.00	.00	.00	.32	.00	.00	.00	.00	.08	.07	.00
10	.74	.02	.00	.00	.05	.25	.00	.00	.01	.17	.02	.00
11	.00	.01	.00	.00	.00	.00	.00	.00	.00	.23	.00	.00
12	.00	.00	.88	.00	.00	.00	.40	.15	.19	.01	.00	.00
13	.00	.02	.00	.00	.00	.61	.09	.00	.00	.00	.00	.00
14	.00	.78	.79	.00	.37	.01	.00	.00	.00	.01	.00	.00
15	.00	.60	.00	.03	.01	.00	.00	.18	.00	.22	.00	.00
16	.00	.00	.20	.14	.00	.00	.00	.00	.00	.39	.00	.00
17	.00	.00	3.62	.02	.00	.00	.00	.00	.23	.15	.02	.00
18	.99	.00	.10	.00	.00	.00	.00	.22	.00	.00	.00	.00
19	.11	.00	.00	.05	.00	.00	.00	.24	.00	.00	.00	.00
20	.00	.07	1.05	.00	.00	.00	.00	.00	.00	.00	.15	.01
21	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.43	.75
22	.00	.00	.00	.00	.00	.69	.00	.00	.00	.00	.12	.07
23	.00	.00	.00	.00	.12	.18	.00	.00	.10	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.03	.00	.52	.00	.00	.00
25	.00	.00	.00	.00	.36	.00	.00	.00	.11	.00	.00	1.49
26	.00	.99	.00	.00	.02	.00	.00	.00	.00	.00	.00	.13
27	.00	.08	.00	.00	.00	.00	.00	.32	.00	.00	.12	.00
28	.00	.00	.01	.00	.00	.00	.00	.45	.00	.00	.11	.10
29	.08	.01	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.58	.00	.18	.73	---	.88	.02	.00	.00	.00	.00	.00
31	.10	---	.37	.32	---	.59	---	.00	---	.00	.00	---
TOTAL	3.74	2.80	7.20	1.37	2.53	3.26	0.61	1.75	3.65	1.89	1.07	3.48



QUANTITY OF PRECIPITATION

01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME

LOCATION.--Lat 45°10'31", long 69°18'55", 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.

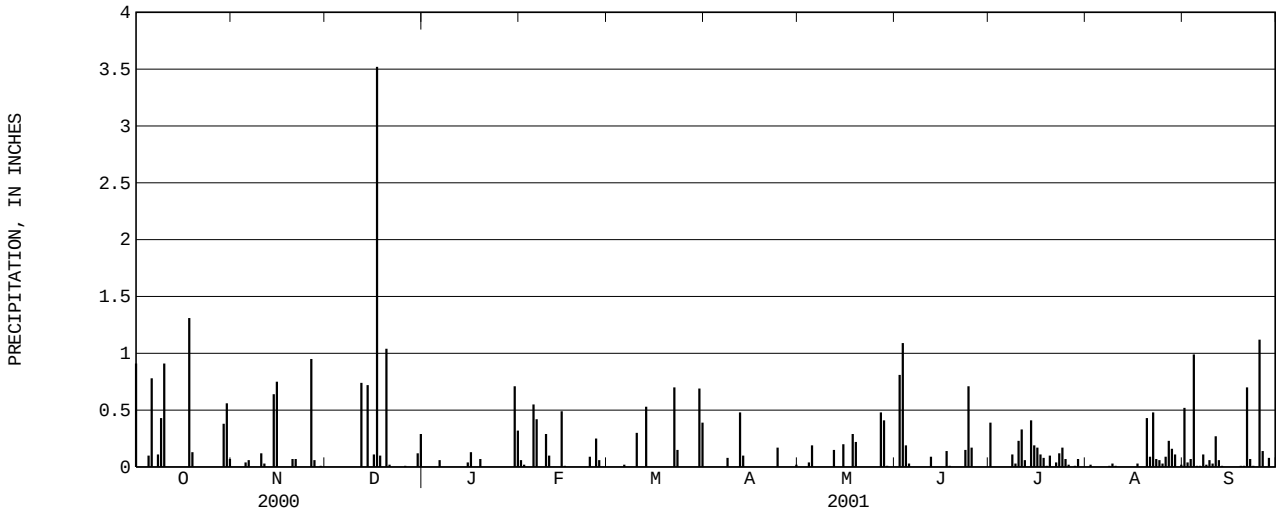
PERIOD OF RECORD.--October 1997 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 inch 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, Jul. 4-6. Gage is operated in conjunction with a co-located streamflow gage as part of the upper Piscataquis River flood warning system. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.91	.00	.00	.00	.06	.00	.00	.00	.00	.39	.00	.52
2	.00	.00	.00	.00	.02	.00	.00	.00	.81	.00	.02	.04
3	.00	.00	.00	.00	.00	.00	.00	.00	1.09	.00	.00	.07
4	.00	.00	.00	.00	.00	.00	.00	.04	.19	---	.00	.99
5	.10	.04	.00	.00	.55	.00	.00	.19	.03	---	.00	.01
6	.78	.06	.00	.06	.42	.02	.00	.00	.00	---	.00	.01
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
8	.11	.00	.00	.00	.00	.00	.08	.00	.00	.11	.01	.02
9	.43	.00	.00	.00	.29	.00	.00	.00	.00	.03	.03	.06
10	.91	.12	.00	.00	.10	.30	.00	.00	.00	.23	.01	.03
11	.00	.03	.00	.00	.00	.00	.00	.00	.00	.33	.00	.27
12	.00	.00	.74	.00	.00	.00	.48	.15	.09	.06	.00	.06
13	.00	.00	.00	.00	.00	.53	.10	.00	.00	.00	.00	.01
14	.00	.64	.72	.00	.49	.00	.00	.00	.00	.41	.00	.00
15	.00	.75	.00	.04	.01	.00	.00	.20	.00	.19	.00	.00
16	.00	.00	.11	.13	.00	.00	.00	.00	.00	.17	.00	.00
17	.00	.00	3.52	.00	.00	.00	.00	.00	.14	.11	.03	.00
18	1.31	.00	.10	.00	.00	.00	.00	.29	.01	.08	.00	.00
19	.13	.00	.00	.07	.00	.00	.00	.22	.00	.01	.00	.01
20	.00	.07	1.04	.00	.00	.00	.00	.00	.00	.10	.43	.01
21	.00	.07	.02	.00	.00	.00	.00	.00	.00	.00	.09	.70
22	.00	.00	.00	.00	.00	.70	.00	.00	.00	.04	.48	.07
23	.00	.00	.00	.00	.09	.15	.00	.00	.15	.12	.07	.01
24	.00	.00	.00	.00	.00	.00	.17	.00	.71	.17	.06	.00
25	.00	.00	.00	.00	.25	.00	.00	.00	.17	.07	.03	1.12
26	.00	.95	.01	.00	.06	.00	.00	.00	.00	.02	.09	.14
27	.00	.06	.00	.00	.00	.00	.00	.48	.00	.00	.23	.00
28	.00	.00	.00	.00	.00	.00	.00	.41	.00	.01	.16	.08
29	.38	.01	.00	.00	---	.00	.00	.01	.00	.07	.11	.00
30	.56	.00	.12	.71	---	.69	.02	.00	.00	.00	.00	.00
31	.07	---	.29	.32	---	.39	---	.00	---	.00	.02	---
TOTAL	5.69	2.80	6.67	1.33	2.34	2.78	0.85	1.99	3.39	---	1.87	4.34



01042500 KENNEBEC RIVER AT THE FORKS, ME

LOCATION.--Lat 45°20'45", long 69°57'48", Somerset County, Hydrologic Unit 01030001, on right bank at The Forks, 0.4 mi upstream from highway bridge and 0.7 mi upstream from Dead River.

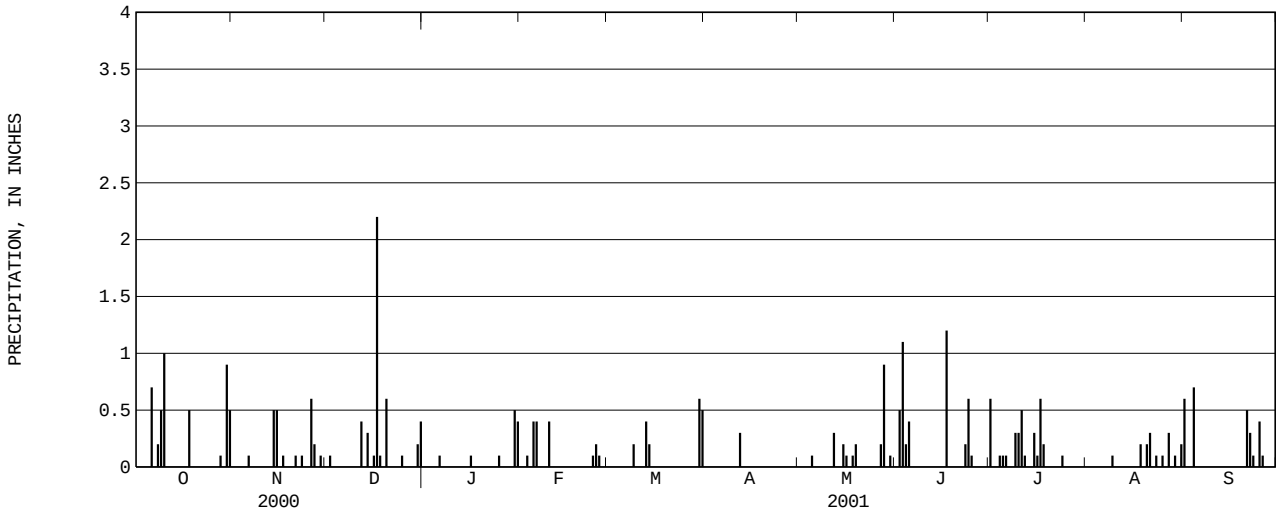
PERIOD OF RECORD.--October 1999 to current year.

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.--No precipitation record, Mar. 17-29. Gage is operated in conjunction with a co-located streamflow gage. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.6	.0	.6
2	.0	.0	.1	.0	.0	.0	.0	.0	.5	.0	.0	.0
3	.0	.0	.0	.0	.1	.0	.0	.0	1.1	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.2	.1	.0	.7
5	.0	.0	.0	.0	.4	.0	.0	.1	.4	.1	.0	.0
6	.7	.1	.0	.1	.4	.0	.0	.0	.0	.1	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
9	.5	.0	.0	.0	.0	.2	.0	.0	.0	.3	.1	.0
10	1.0	.0	.0	.0	.4	.0	.0	.0	.0	.3	.0	.0
11	.0	.0	.0	.0	.0	.0	.0	.0	.0	.5	.0	.0
12	.0	.0	.4	.0	.0	.0	.3	.3	.0	.1	.0	.0
13	.0	.0	.0	.0	.0	.4	.0	.0	.0	.0	.0	.0
14	.0	.5	.3	.0	.0	.2	.0	.0	.0	.0	.0	.0
15	.0	.5	.0	.0	.0	.0	.0	.2	.0	.3	.0	.0
16	.0	.0	.1	.1	.0	.0	.0	.1	.0	.1	.0	.0
17	.0	.1	2.2	.0	.0	---	.0	.0	1.2	.6	.0	.0
18	.5	.0	.1	.0	.0	---	.0	.1	.0	.2	.2	.0
19	.0	.0	.0	.0	.0	---	.0	.2	.0	.0	.0	.0
20	.0	.0	.6	.0	.0	---	.0	.0	.0	.0	.2	.0
21	.0	.1	.0	.0	.0	---	.0	.0	.0	.0	.3	.5
22	.0	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.3
23	.0	.1	.0	.0	.0	---	.0	.0	.2	.0	.1	.1
24	.0	.0	.0	.0	.1	---	.0	.0	.6	.1	.0	.0
25	.0	.0	.1	.1	.2	---	.0	.0	.1	.0	.1	.4
26	.0	.6	.0	.0	.1	---	.0	.0	.0	.0	.0	.1
27	.0	.2	.0	.0	.0	---	.0	.2	.0	.0	.3	.0
28	.1	.0	.0	.0	.0	---	.0	.9	.0	.0	.0	.0
29	.0	.1	.0	.0	---	---	.0	.0	.0	.0	.1	.0
30	.9	.0	.2	.5	---	.6	.0	.1	.0	.0	.0	.0
31	.5	---	.4	.4	---	.5	---	.0	---	.0	.2	---
TOTAL	4.4	2.3	4.5	1.2	1.7	---	0.3	2.2	4.3	3.4	1.6	2.7



QUANTITY OF PRECIPITATION

01046500 KENNEBEC RIVER AT BINGHAM, ME

LOCATION.--Lat 45°03'06", long 69°53'12", Somerset County, Hydrologic Unit 01030003, on right bank at Bingham, 50 ft downstream from highway bridge, 0.4 mi downstream from Austin Stream, and 1.6 mi downstream from Wyman Dam.

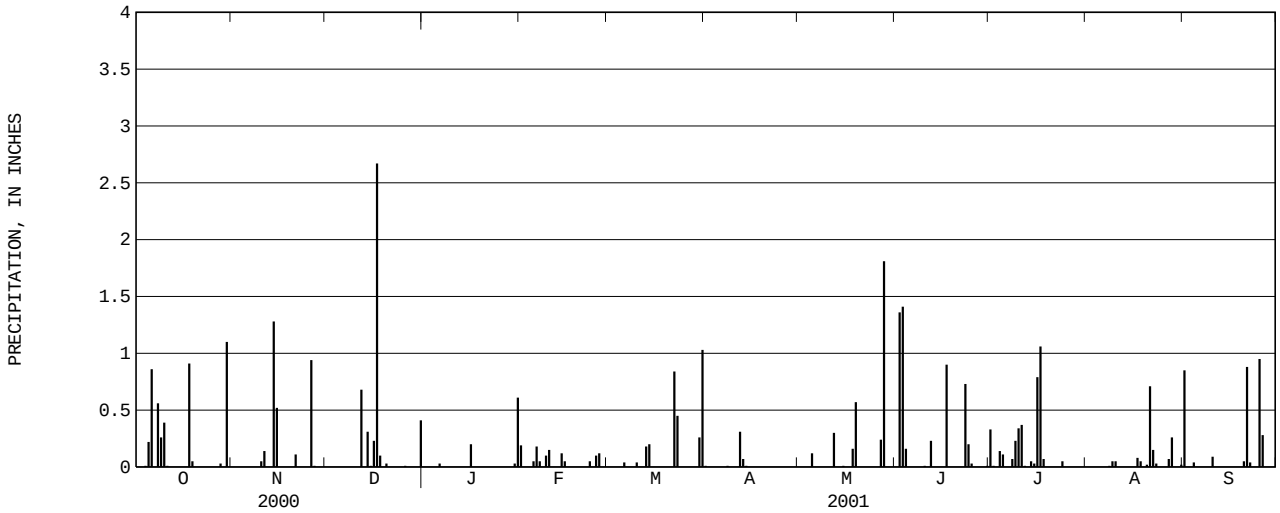
PERIOD OF RECORD.--October 1999 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 inch 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.--Gage is operated in conjunction with a co-located streamflow gage. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.19	.00	.01	.00	.00	.33	.00	.85
2	.00	.00	.00	.00	.00	.00	.00	.00	1.36	.01	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	1.41	.00	.00	.00
4	.01	.00	.00	.00	.00	.00	.00	.00	.16	.14	.00	.04
5	.22	.00	.00	.00	.05	.00	.00	.12	.00	.11	.00	.00
6	.86	.00	.00	.03	.18	.04	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00
8	.56	.00	.00	.00	.00	.00	.01	.00	.00	.07	.01	.00
9	.26	.00	.00	.00	.10	.00	.00	.00	.00	.23	.05	.00
10	.39	.05	.00	.00	.15	.04	.00	.00	.01	.34	.05	.09
11	.01	.14	.00	.00	.00	.00	.00	.00	.00	.37	.00	.00
12	.00	.00	.68	.00	.00	.00	.31	.30	.23	.01	.00	.00
13	.00	.00	.00	.00	.00	.18	.07	.00	.00	.00	.00	.00
14	.00	1.28	.31	.00	.12	.20	.01	.00	.00	.05	.00	.00
15	.00	.52	.01	.00	.05	.00	.00	.01	.00	.03	.00	.00
16	.00	.00	.23	.20	.00	.00	.00	.00	.00	.79	.00	.00
17	.00	.00	2.67	.00	.00	.00	.00	.00	.90	1.06	.08	.00
18	.91	.00	.10	.00	.00	.00	.00	.16	.00	.07	.05	.00
19	.05	.00	.00	.00	.00	.00	.00	.57	.00	.00	.00	.00
20	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.02	.05
21	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.71	.88
22	.00	.00	.00	.00	.00	.84	.00	.00	.00	.00	.15	.04
23	.00	.00	.00	.00	.05	.45	.00	.00	.73	.00	.03	.00
24	.00	.00	.00	.00	.00	.00	.00	.00	.20	.05	.00	.00
25	.00	.00	.00	.00	.10	.00	.00	.00	.03	.00	.00	.95
26	.00	.94	.01	.00	.12	.00	.00	.00	.00	.00	.00	.28
27	.00	.01	.00	.00	.00	.00	.00	.24	.00	.00	.07	.00
28	.03	.00	.00	.00	.00	.00	.00	1.81	.00	.00	.26	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	1.10	.00	.00	.03	---	.26	.00	.00	.01	.00	.00	.00
31	.00	---	.41	.61	---	1.03	---	.00	---	.00	.02	---
TOTAL	4.40	3.05	4.45	0.87	1.16	3.04	0.41	3.21	5.04	3.66	1.50	3.18



01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME

LOCATION.--Lat 44°52'09", long 69°57'20", Somerset County, Hydrologic Unit 01030003, on left bank 3.4 mi upstream from Mill Stream and North Anson.

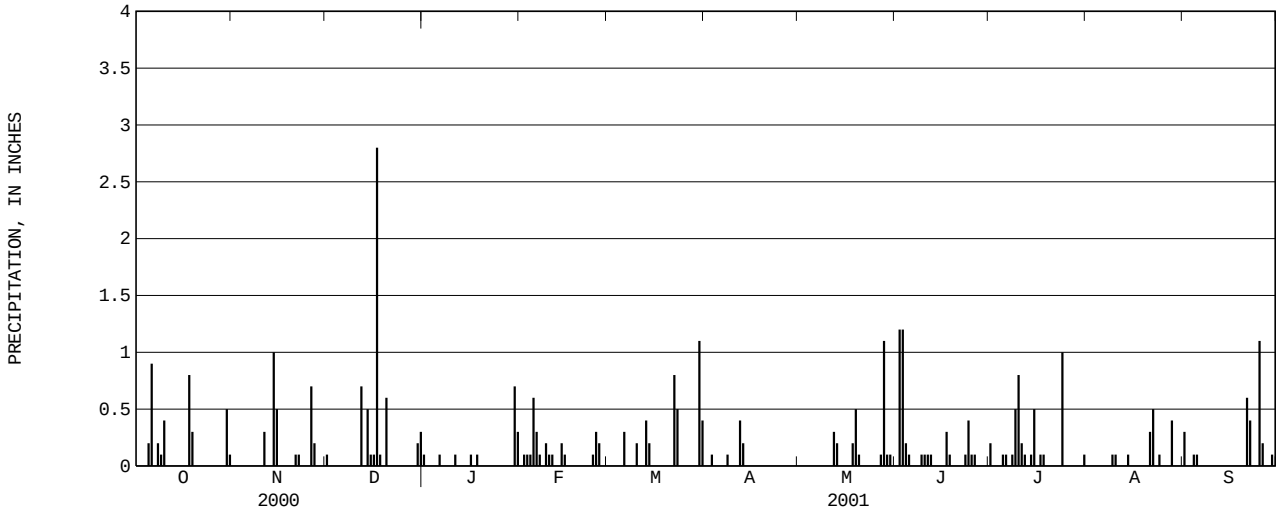
PERIOD OF RECORD.--October 1999 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in diameter, weighing bucket gage with 20 in. capacity, mounted on top of gage house with the top of the collector 12 ft above the ground. Elevation of gage is 333 ft, above National Geodetic Vertical Datum of 1929.

REMARKS.--Gage is operated in conjunction with a co-located streamflow gage. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.1	.1	.0	.0	.0	.0	.0	.2	.0	.3
2	.0	.0	.0	.0	.1	.0	.0	.0	1.2	.0	.0	.0
3	.0	.0	.0	.0	.1	.0	.1	.0	1.2	.0	.0	.0
4	.0	.0	.0	.0	.1	.0	.0	.0	.2	.0	.0	.1
5	.2	.0	.0	.0	.6	.0	.0	.0	.1	.1	.0	.1
6	.9	.0	.0	.1	.3	.3	.0	.0	.0	.1	.0	.0
7	.0	.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0
8	.2	.0	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0
9	.1	.0	.0	.0	.2	.0	.0	.0	.1	.5	.1	.0
10	.4	.0	.0	.0	.1	.2	.0	.0	.1	.8	.1	.0
11	.0	.3	.0	.1	.1	.0	.0	.0	.1	.2	.0	.0
12	.0	.0	.7	.0	.0	.0	.4	.3	.1	.1	.0	.0
13	.0	.0	.0	.0	.0	.4	.2	.2	.0	.0	.0	.0
14	.0	1.0	.5	.0	.2	.2	.0	.0	.0	.1	.1	.0
15	.0	.5	.1	.0	.1	.0	.0	.0	.0	.5	.0	.0
16	.0	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0
17	.0	.0	2.8	.0	.0	.0	.0	.0	.3	.1	.0	.0
18	.8	.0	.1	.1	.0	.0	.0	.2	.1	.1	.0	.0
19	.3	.0	.0	.0	.0	.0	.0	.5	.0	.0	.0	.0
20	.0	.0	.6	.0	.0	.0	.0	.1	.0	.0	.0	.0
21	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.3	.6
22	.0	.1	.0	.0	.0	.8	.0	.0	.0	.0	.5	.4
23	.0	.0	.0	.0	.0	.5	.0	.0	.1	.0	.0	.0
24	.0	.0	.0	.0	.1	.0	.0	.0	.4	1.0	.1	.0
25	.0	.0	.0	.0	.3	.0	.0	.0	.1	.0	.0	1.1
26	.0	.7	.0	.0	.2	.0	.0	.0	.1	.0	.0	.2
27	.0	.2	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	1.1	.0	.0	.4	.0
29	.0	.0	.0	.0	---	.0	.0	.1	.0	.0	.0	.1
30	.5	.0	.2	.7	---	1.1	.0	.1	.0	.0	.0	.0
31	.1	---	.3	.3	---	.4	---	.0	---	.1	.0	---
TOTAL	3.5	2.9	5.5	1.5	2.6	3.9	0.8	2.7	4.2	4.0	1.6	2.9



QUANTITY OF PRECIPITATION

01048000 SANDY RIVER NEAR MERCER, ME

LOCATION.--Lat 44°42'26", long 69°56'21", 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.

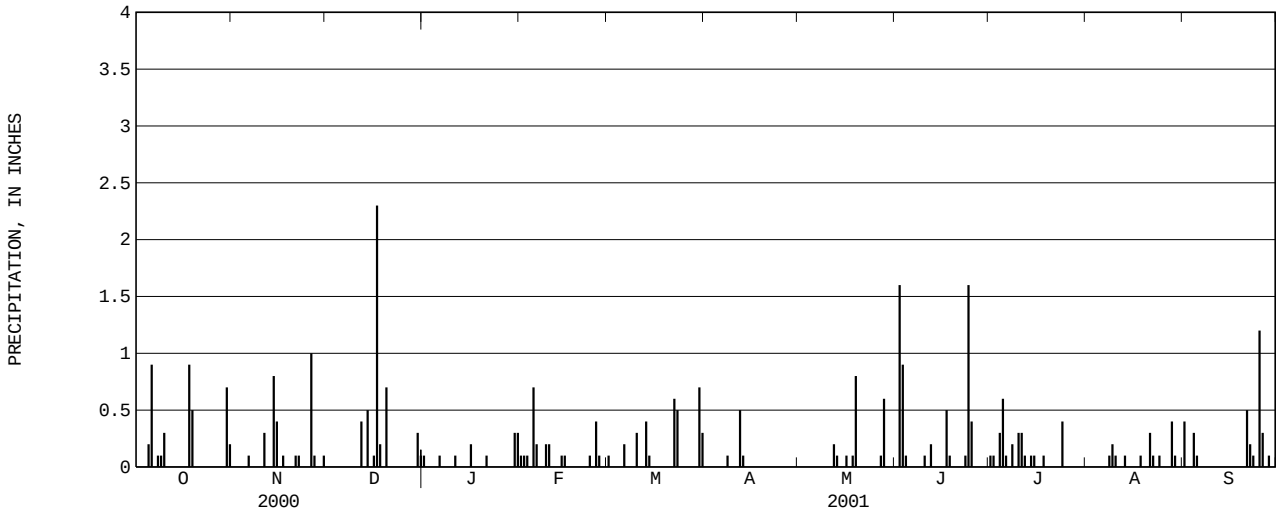
PERIOD OF RECORD.--October 1999 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, weighing bucket gage with 20 in. capacity, mounted on top of gage house with the top of 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. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.1	.1	.1	.0	.0	.0	.1	.0	.4
2	.0	.0	.0	.0	.1	.0	.0	.0	1.6	.1	.0	.0
3	.0	.0	.0	.0	.1	.0	.0	.0	.9	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.3	.0	.3
5	.2	.0	.0	.0	.7	.0	.0	.0	.0	.6	.0	.1
6	.9	.1	.0	.1	.2	.2	.0	.0	.0	.1	.0	.0
7	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
8	.1	.0	.0	.0	.0	.0	.1	.0	.0	.2	.1	.0
9	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.2	.0
10	.3	.0	.0	.0	.2	.3	.0	.0	.1	.3	.1	.0
11	.0	.3	.0	.1	.0	.0	.0	.0	.0	.3	.0	.0
12	.0	.0	.4	.0	.0	.0	.5	.2	.2	.1	.0	.0
13	.0	.0	.0	.0	.0	.4	.1	.1	.0	.0	.1	.0
14	.0	.8	.5	.0	.1	.1	.0	.0	.0	.1	.0	.0
15	.0	.4	.0	.0	.1	.0	.0	.0	.0	.1	.0	.0
16	.0	.0	.1	.2	.0	.0	.0	.1	.0	.0	.0	.0
17	.0	.1	2.3	.0	.0	.0	.0	.0	.5	.0	.0	.0
18	.9	.0	.2	.0	.0	.0	.0	.1	.1	.1	.1	.0
19	.5	.0	.0	.0	.0	.0	.0	.8	.0	.0	.0	.0
20	.0	.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0
21	.0	.1	.0	.1	.0	.0	.0	.0	.0	.0	.3	.5
22	.0	.1	.0	.0	.0	.6	.0	.0	.0	.0	.1	.2
23	.0	.0	.0	.0	.1	.5	.0	.0	.1	.0	.0	.1
24	.0	.0	.0	.0	.0	.0	.0	.0	1.6	.4	.1	.0
25	.0	.0	.0	.0	.4	.0	.0	.0	.4	.0	.0	1.2
26	.0	1.0	.0	.0	.1	.0	.0	.0	.0	.0	.0	.3
27	.0	.1	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	.6	.0	.0	.4	.1
29	.0	.0	.0	.0	---	.0	.0	.0	.0	.0	.1	.0
30	.7	.1	.3	.3	---	.7	.0	.0	.0	.0	.0	.0
31	.2	---	.1	.3	---	.3	---	.0	---	.0	.0	---
TOTAL	3.9	3.1	4.6	1.2	2.4	3.2	0.7	2.0	5.6	2.8	1.6	3.2



01053500 ANDROSCOGGIN RIVER AT ERROL, NH

LOCATION.--Lat 44°46'57", long 71°07'46", 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.

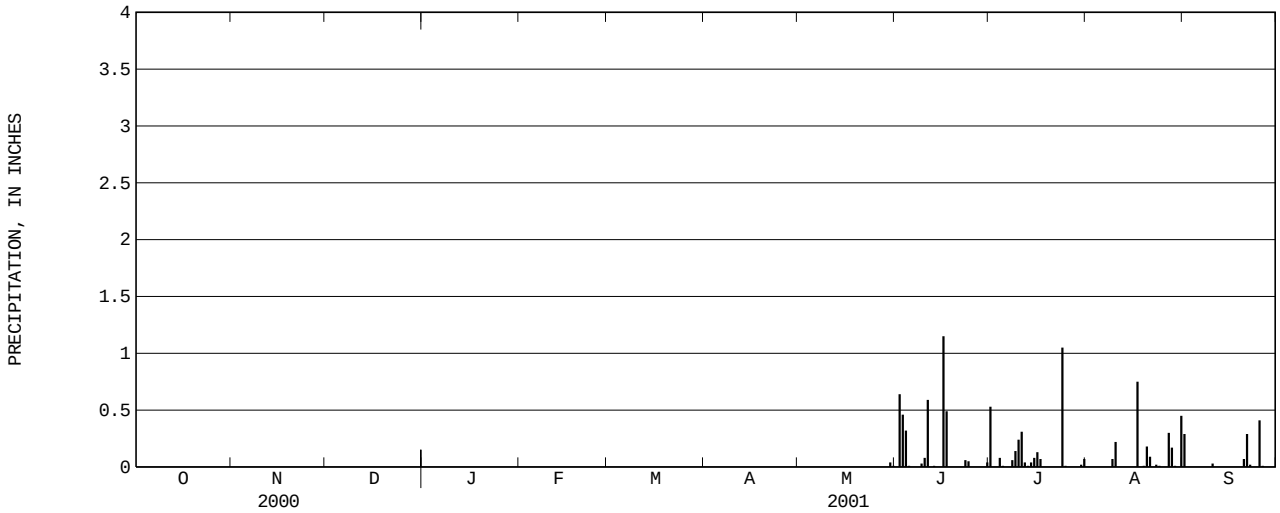
PERIOD OF RECORD.--October 1999 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 inch 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 May 29. Gage is operated in conjunction with a co-located streamflow gage. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	.00	.53	.00	.29
2	---	---	---	---	---	---	---	---	.64	.00	.00	.00
3	---	---	---	---	---	---	---	---	.46	.00	.00	.00
4	---	---	---	---	---	---	---	---	.32	.08	.00	.00
5	---	---	---	---	---	---	---	---	.01	.01	.00	.00
6	---	---	---	---	---	---	---	---	.00	.00	.00	.00
7	---	---	---	---	---	---	---	---	.00	.00	.00	.00
8	---	---	---	---	---	---	---	---	.00	.06	.00	.00
9	---	---	---	---	---	---	---	---	.03	.14	.07	.00
10	---	---	---	---	---	---	---	---	.08	.24	.22	.03
11	---	---	---	---	---	---	---	---	.59	.31	.00	.00
12	---	---	---	---	---	---	---	---	.00	.04	.00	.00
13	---	---	---	---	---	---	---	---	.01	.01	.00	.00
14	---	---	---	---	---	---	---	---	.00	.04	.00	.00
15	---	---	---	---	---	---	---	---	.00	.08	.00	.00
16	---	---	---	---	---	---	---	---	1.15	.13	.00	.00
17	---	---	---	---	---	---	---	---	.49	.07	.75	.00
18	---	---	---	---	---	---	---	---	.00	.00	.00	.00
19	---	---	---	---	---	---	---	---	.00	.00	.01	.00
20	---	---	---	---	---	---	---	---	.00	.00	.18	.07
21	---	---	---	---	---	---	---	---	.00	.00	.09	.29
22	---	---	---	---	---	---	---	---	.00	.00	.00	.02
23	---	---	---	---	---	---	---	---	.06	.00	.02	.00
24	---	---	---	---	---	---	---	---	.05	1.05	.01	.00
25	---	---	---	---	---	---	---	---	.00	.01	.00	.41
26	---	---	---	---	---	---	---	---	.00	.00	.00	.01
27	---	---	---	---	---	---	---	---	.00	.00	.30	.00
28	---	---	---	---	---	---	---	---	.00	.00	.17	.00
29	---	---	---	---	---	---	---	---	.00	.00	.01	.00
30	---	---	---	---	---	---	---	.04	.04	.02	.00	.00
31	---	---	---	---	---	---	---	.01	---	.07	.45	---
TOTAL	---	---	---	---	---	---	---	---	3.93	2.89	2.28	1.12



QUANTITY OF PRECIPITATION

01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME

LOCATION.--Lat 44°33'04", long 70°32'38", 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.

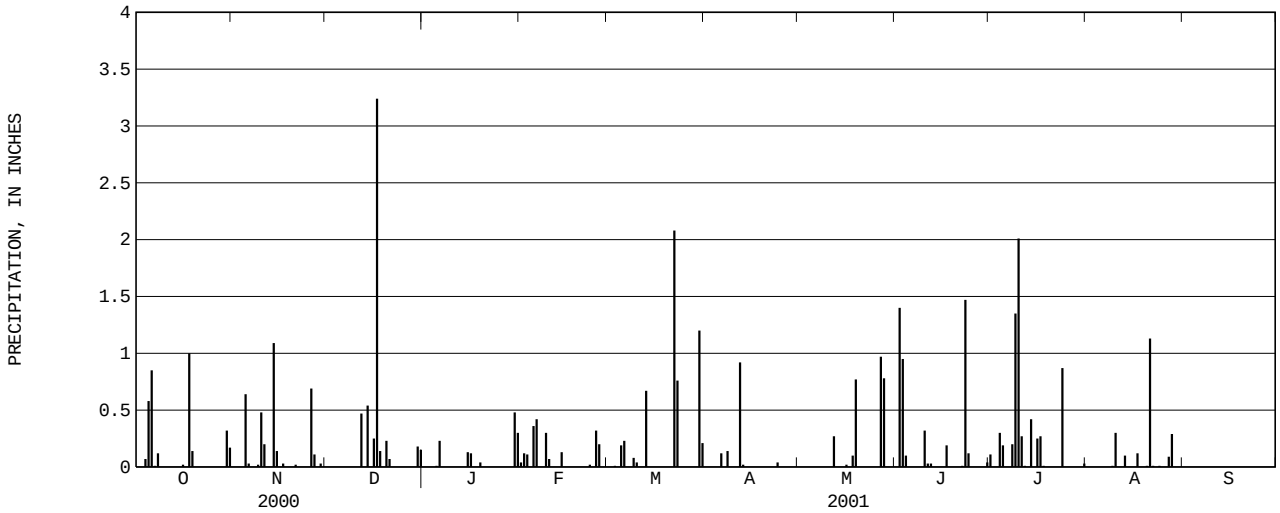
PERIOD OF RECORD.--October 1999 to current year.

INSTRUMENTATION.--Unshielded, standard 8-in. diameter, tipping bucket gage with 0.01 inch 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.--No precipitation record, Aug. 30 to Sept. 30. Gage is operated in conjunction with a co-located streamflow gage. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.04	.00	.00	.00	.00	.11	.00	---
2	.00	.00	.00	.00	.12	.00	.00	.00	1.40	.00	.00	---
3	.00	.00	.00	.00	.11	.01	.00	.00	.95	.00	.00	---
4	.07	.00	.00	.00	.00	.00	.00	.00	.10	.30	.00	---
5	.58	.64	.00	.01	.36	.19	.00	.00	.00	.19	.00	---
6	.85	.03	.00	.23	.42	.23	.12	.00	.00	.00	.00	---
7	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	---
8	.12	.00	.00	.00	.00	.00	.14	.00	.00	.20	.00	---
9	.00	.02	.00	.00	.30	.08	.00	.00	.00	1.35	.01	---
10	.00	.48	.00	.00	.07	.04	.00	.00	.32	2.01	.30	---
11	.00	.20	.00	.00	.00	.00	.00	.00	.03	.27	.00	---
12	.00	.00	.47	.00	.00	.00	.92	.27	.03	.01	.00	---
13	.00	.00	.00	.00	.00	.67	.02	.00	.00	.00	.10	---
14	.00	1.09	.54	.00	.13	.00	.00	.00	.00	.42	.00	---
15	.00	.14	.00	.13	.00	.00	.00	.00	.00	.00	.00	---
16	.02	.00	.25	.12	.00	.00	.00	.02	.00	.25	.00	---
17	.00	.03	3.24	.00	.00	.00	.00	.00	.19	.27	.12	---
18	1.00	.00	.14	.00	.00	.00	.00	.10	.00	.01	.00	---
19	.14	.00	.00	.04	.00	.00	.00	.77	.00	.00	.00	---
20	.00	.00	.23	.00	.00	.00	.00	.00	.00	.00	.01	---
21	.00	.02	.07	.00	.00	.00	.00	.00	.00	.00	1.13	---
22	.00	.00	.00	.00	.00	2.08	.00	.00	.01	.00	.01	---
23	.00	.00	.00	.00	.02	.76	.00	.00	1.47	.00	.00	---
24	.00	.00	.00	.00	.00	.00	.04	.00	.12	.87	.01	---
25	.00	.00	.00	.00	.32	.00	.00	.00	.00	.00	.00	---
26	.00	.69	.00	.00	.20	.00	.00	.00	.00	.00	.00	---
27	.00	.11	.00	.00	.00	.00	.00	.97	.00	.00	.09	---
28	.00	.00	.00	.00	.00	.00	.00	.78	.00	.00	.29	---
29	.00	.03	.00	.00	---	.00	.00	.00	.00	.00	.00	---
30	.32	.00	.18	.48	---	1.20	.00	.00	.04	.00	---	---
31	.17	---	.15	.30	---	.21	---	.00	---	.03	---	---
TOTAL	3.28	3.48	5.27	1.31	2.09	5.47	1.24	2.91	4.66	6.29	---	---



01066000 SACO RIVER AT CORNISH, ME

LOCATION.--Lat 43°48'29", long 70°46'53", Cumberland County, Hydrologic Unit 01060002, on left bank 300 ft upstream from Route. 117 bridge at Cornish and 0.4 mi downstream from Ossipee River.

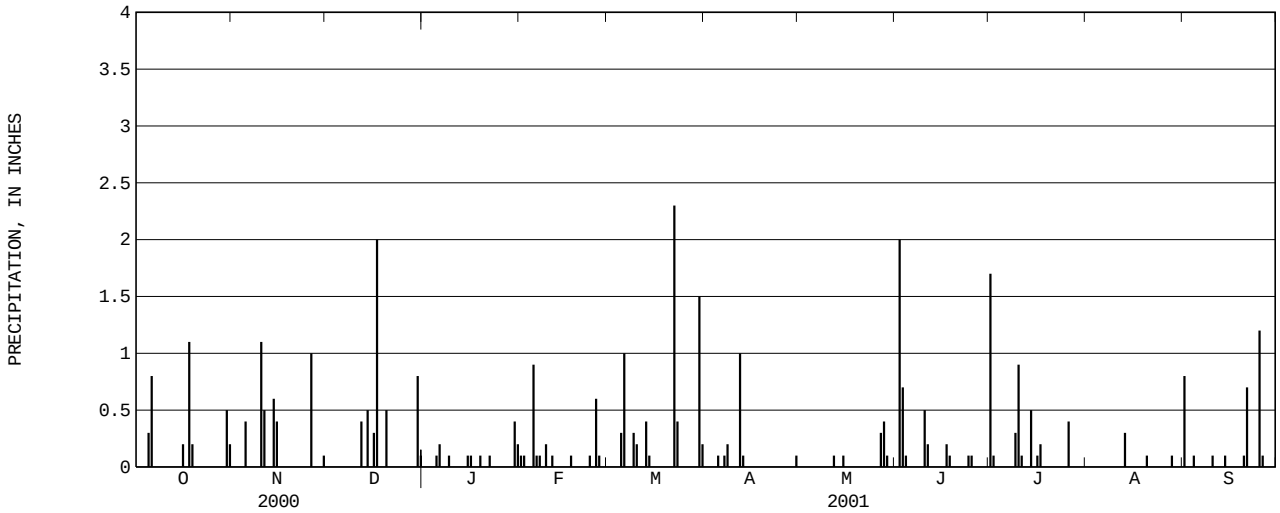
PERIOD OF RECORD.--October 1999 to current year.

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. Satellite telemeter at station.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.0	.0	.0	.1	.0	.0	.0	.0	1.7	.0	.8
2	.0	.0	.0	.0	.1	.0	.0	.0	2.0	.1	.0	.0
3	.0	.0	.0	.0	.0	.0	.0	.0	.7	.0	.0	.0
4	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.1
5	.3	.4	.0	.1	.9	.3	.1	.0	.0	.0	.0	.0
6	.8	.0	.0	.2	.1	1.0	.0	.0	.0	.0	.0	.0
7	.0	.0	.0	.0	.1	.0	.1	.0	.0	.0	.0	.0
8	.0	.0	.0	.0	.0	.0	.2	.0	.0	.0	.0	.0
9	.0	.0	.0	.1	.2	.3	.0	.0	.0	.3	.0	.0
10	.0	1.1	.0	.0	.0	.2	.0	.0	.5	.9	.0	.1
11	.0	.5	.0	.0	.1	.0	.0	.0	.2	.1	.0	.0
12	.0	.0	.4	.0	.0	.0	1.0	.1	.0	.0	.0	.0
13	.0	.0	.0	.0	.0	.4	.1	.0	.0	.0	.3	.0
14	.0	.6	.5	.0	.0	.1	.0	.0	.0	.5	.0	.1
15	.0	.4	.0	.1	.0	.0	.0	.1	.0	.0	.0	.0
16	.2	.0	.3	.1	.0	.0	.0	.0	.0	.1	.0	.0
17	.0	.0	2.0	.0	.1	.0	.0	.0	.2	.2	.0	.0
18	1.1	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
19	.2	.0	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0
20	.0	.0	.5	.0	.0	.0	.0	.0	.0	.0	.1	.1
21	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.7
22	.0	.0	.0	.1	.0	2.3	.0	.0	.0	.0	.0	.0
23	.0	.0	.0	.0	.1	.4	.0	.0	.0	.0	.0	.0
24	.0	.0	.0	.0	.0	.0	.0	.0	.1	.0	.0	.0
25	.0	.0	.0	.0	.6	.0	.0	.0	.1	.0	.0	1.2
26	.0	1.0	.0	.0	.1	.0	.0	.0	.0	.4	.0	.1
27	.0	.0	.0	.0	.0	.0	.0	.3	.0	.0	.0	.0
28	.0	.0	.0	.0	.0	.0	.0	.4	.0	.0	.1	.0
29	.0	.0	.0	.0	---	.0	.0	.1	.0	.0	.0	.0
30	.5	.1	.8	.4	---	1.5	.1	.0	.0	.0	.0	.0
31	.2	---	.1	.2	---	.2	---	.0	---	.0	.0	---
TOTAL	3.3	4.1	4.6	1.4	2.5	6.7	1.6	1.0	4.0	4.3	0.5	3.2



QUANTITY OF SNOW

431232070471101 -- SOUTH BERWICK SNOW SITE (1324-143) (LAT 43 12 32 LONG 70 47 11)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	13.5	2.6	03...	20.4	7.6
FEB			10...	6.5	2.2
27...	16	5.4	17...	0	0
MAR			24...	0	0
14...	35.7	9.8	MAY		
20...	23.7	7.1	01...	0	0
27...	21.3	7.6			

431943070543801 -- SOUTH LEBANON SNOW SITE (1069-128) (LAT 43 19 43 LONG 70 54 38)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	9.5	2.3	03...	16.8	5.5
MAR			10...	5.1	1.6
14...	28.3	7.4	17...	0	0
20...	19.3	6.3	24...	0	0
27...	15.3	5.4	MAY		
			01...	0	0

432500070394001 -- WEST KENNEBUNK SNOW SITE (1121-129) (LAT 43 25 00 LONG 70 39 40)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	11.3	2.2	03...	19.2	7.1
FEB			10...	11.4	4.1
27...	18.5	5.1	17...	1	.4
MAR			24...	0	0
14...	34.3	9.2	MAY		
20...	23.5	7.8	01...	0	0
27...	20.3	6.8			

433147070505901 -- SHAPLEIGH SNOW SITE (1322-142) (LAT 43 31 47 LONG 70 50 59)

DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB		
26...	20	4.7

433159070290301 -- SACO (TANNERY SITE) SNOW SITE (1490-240)(LAT 43 31 59 LONG 70 29 03)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	11	2.4	03...	17.6	6.2
FEB			10...	7.1	2.5
27...	18.7	4.9	17...	0	0
MAR			24...	0	0
14...	28.7	7.8	MAY		
20...	16.5	5.3	01...	0	0
26...	16	4.9			

433750070535501 -- NEWFIELD SNOW SITE (1192-117) (LAT 43 37 50 LONG 70 53 55)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB			APR		
26...	20.7	4.5	03...	31.6	10.8
MAR			10...	23.8	8.5
20...	24.4	6.9	17...	13	4.7
27...	27	9.9	24...	0	0
			MAY		
			01...	0	0

433900070401101 -- HOLLIS SNOW SITE (1510-000)(LAT 43 39 00 LONG 70 40 11)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	13.2	2.6	03...	31	10.6
FEB			10...	19.4	7.7
12...	18.8	4.8	17...	10.3	4
27...	20	5.9	24...	0	0
MAR			MAY		
14...	32.8	8.4	01...	0	0
20...	23	8			
26...	25	9			

434403070152601 -- FALMOUTH SNOW SITE (1183-112)(LAT 43 44 03 LONG 70 15 26)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB			APR		
13...	16.5	4.5	03...	16.8	5.2
27...	16.7	4.9	04...	0	0
MAR			10...	6.3	2.2
14...	24.7	6.4	17...	0	0
20...	16.3	5.4	MAY		
26...	17.7	6.3	01...	0	0

434538070310101 -- SEBAGO SNOW SITE (1083-111)(LAT 43 45 38 LONG 70 31 01)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	14.5	2.9	03...	25.8	9.2
FEB			10...	18.4	6.9
12...	20.3	5.4	24...	0	0
27...	20	5.8	MAY		
MAR			01...	0	0
14...	30	7.8			
20...	20.3	7.2			
26...	22	7.2			

434900070461401 -- CORNISH SNOW SITE (1056-114)(LAT 43 49 00 LONG 70 46 14)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB			APR		
26...	20.9	4.6	03...	26.6	9.5
MAR			10...	15.6	6.4
20...	21.3	6	17...	8.8	3.5
27...	19.7	6.3	24...	0	0
			MAY		
			01...	0	0

435223070422501 -- DOUGLAS MOUNTAIN SNOW SITE (1526-000)(LAT 43 52 23 LONG 70 42 25)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
APR			APR		
16...	23.8	10.2	24...	1.8	.65

435259070150001 -- GRAY SNOW SITE (1509-000)(LAT 43 52 59 LONG 70 15 00)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	12	2.3	03...	28.2	9.3
FEB			10...	17	7
13...	19.4	4.1	17...	6.8	2.7
27...	22	5.1	24...	0	0
MAR			MAY		
14...	30.4	7.4	01...	0	0
20...	21.3	6.5			
27...	21	7.5			

435743070475501 -- DENMARK SNOW SITE (1184-115)(LAT 43 57 43 LONG 70 47 55)

DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB		
26...	25.4	4.8

435900070030001 -- DURHAM SNOW SITE (1494-000)(LAT 43 59 00 LONG 70 03 00)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	11.8	2.5	03...	29	9.8
FEB			10...	21	7
13...	21	4.7	17...	7.5	3
27...	17	5.5			
MAR					
14...	30	7.8			
20...	22	6.2			
26...	24	8			

440009069565001 -- TOPSHAM SNOW SITE (1170-104)(LAT 44 00 09 LONG 69 56 50)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB			APR		
13...	18.5	4	03...	21.8	6.9
27...	19.3	4.9	10...	14.2	5
MAR			17...	1.2	.4
14...	27.7	6.8	24...	0	0
20...	18	6.1	MAY		
26...	17	6.1	01...	0	0

440027070214201 -- POLAND SNOW SITE (1512-000)(LAT 44 00 27 LONG 70 21 42)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB			APR		
26...	23	4.4	02...	34	9.8
MAR			17...	8.1	2.6
14...	29	6.6			
20...	24	5.5			
26...	25	8			

440336070163101 -- AUBURN SNOW SITE (1136-095)(LAT 44 03 36 LONG 70 16 31)

DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB		
26...	22	4.9

QUANTITY OF SNOW

441156069294401 -- JEFFERSON SNOW SITE (1318-137)(LAT 44 11 56 LONG 69 29 44)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	10.1	1.6	03...	23.4	6.9
FEB			10...	10.2	2.7
13...	18.8	2.9	17...	2.6	1
27...	21.5	4.7	24...	0	0
MAR			MAY		
14...	31.2	6.6	01...	0	0
20...	17.2	5			

441250069105701 -- SOUTH HOPE SNOW SITE (1325-127)(LAT 44 12 50 LONG 69 10 57)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	9	1.7	03...	22	7.6
FEB			10...	14	3.6
13...	15.1	3.6	17...	0	0
27...	17.2	4.6	24...	0	0
MAR			MAY		
14...	27	6.6	01...	0	0
20...	18.8	5.6			

441540070130501 -- TURNER SNOW SITE (1095-105)(LAT 44 15 40 LONG 70 13 05)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	11.6	2	03...	35.6	13
FEB			10...	26	9.6
13...	22.3	3.6	17...	17	6.4
27...	23.4	4	24...	.5	.2
MAR			MAY		
14...	30	8.9	01...	0	0
20...	25.7	6.7			
27...	30.1	7.8			

441723069422801 -- AUGUSTA SNOW SITE (1008-066)(LAT 44 17 23 LONG 69 42 28)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	8.4	1.8	03...	22.9	6.6
FEB			10...	13.5	3.8
13...	18.4	2.9	17...	3.4	1.2
27...	20.4	4.7	24...	0	0
MAR			MAY		
14...	26.6	5.7	01...	0	0
20...	18.9	5			

442059069530301 -- MANCHESTER SNOW SITE (1118-084)(LAT 44 20 59 LONG 69 53 03)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB					
27...	20.8	5			

442227070190101 -- HARTFORD SNOW SITE (1516-000)(LAT 44 22 27 LONG 70 19 01)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	18	2.6	03...	49	13.9
FEB			10...	35	13.9
12...	35	4.6	16...	24	9.8
27...	33	5.5	24...	2.5	1.5
MAR					
07...	45	6.9			
14...	42	9.5			
19...	31	9.2			
26...	42	12.6			

442412069133801 -- SEARSMONT SNOW SITE (1093-126)(LAT 44 24 12 LONG 69 13 38)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	9.4	1.2	03...	20.4	6.8
FEB			10...	16.7	4.9
13...	16.1	3.1	17...	6.8	2.2
27...	23.2	4.5	24...	0	0
MAR			MAY		
14...	25.2	5.3	01...	0	0
20...	17.5	4.4			

QUANTITY OF SNOW

442451070501601 -- BETHEL SNOW SITE (1045-097)(LAT 44 24 51 LONG 70 50 16)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	18.4	3.4	03...	41.3	15.3
FEB			10...	31.6	12.2
13...	27.7	5.6	17...	23.7	10.4
27...	24.5	4.8	24...	10.2	4.3
MAR			MAY		
14...	34.7	9.3	01...	0	0
20...	29.4	9.7			
27...	32.7	11.3			

442859069285901 -- ALBION SNOW SITE (1523-000)(LAT 44 28 59 LONG 69 28 59)

MAR			APR		
14...	35	8	03...	33	8.5
20...	28	7.7	MAY		
26...	27	8.7	01...	0	0

443116069525801 -- BELGRADE SNOW SITE (1123-067)(LAT 44 31 16 LONG 69 52 58)

JAN			APR		
16...	8.2	1.2	03...	34.3	8.6
FEB			10...	13.7	5.2
13...	26.2	3.9	17...	2.7	1
26...	23.6	4.2	24...	0	0
MAR			MAY		
14...	32.3	5.3	01...	0	0
20...	20.4	5.1			

443324068474901 -- BUCKSPORT SNOW SITE (1146-027)(LAT 44 33 24 LONG 68 47 49)

JAN			APR		
16...	9	1.4	03...	14.8	3.6
FEB			10...	6.1	1.4
13...	16.9	3.1	17...	0	0
27...	14.6	3	24...	0	0
MAR			MAY		
14...	23.2	4.8	01...	0	0
20...	18.7	4.6			

443412070542201 -- NEWRY SNOW SITE (1169-180)(LAT 44 34 12 LONG 70 54 22)

JAN			APR		
16...	17.9	3.3	03...	44.1	15.7
FEB			10...	34.4	13.7
13...	28.2	5.4	17...	24.6	10.7
27...	27.4	6.2	24...	12.8	5.8
MAR			MAY		
14...	38.9	11.6	01...	2.5	1
20...	33.2	11.4			
27...	39.9	13.3			

443514070211601 -- DIXFIELD SNOW SITE (1151-098)(LAT 44 35 14 LONG 70 21 16)

JAN			APR		
16...	14.5	2.3	03...	40.2	14.1
FEB			10...	29.6	11.5
13...	23.3	4.7	17...	21.5	8.9
27...	24.3	6.7	MAY		
MAR			01...	.5	.2
14...	33.8	9.2			
20...	28.5	9.7			
27...	34.4	11.7			

443748068072701 -- FRANKLIN SNOW SITE (1112-124)(LAT 44 37 48 LONG 68 07 27)

FEB		
24...	17.2	4

443759070000001 -- NEW SHARON SNOW SITE (1493-000)(LAT 44 37 59 LONG 70 00 00)

MAR			APR		
26...	31	9.9	02...	42	12
			16...	16	9.1

QUANTITY OF SNOW

443836070350801 -- ROXBURY SNOW SITE (1051-102)(LAT 44 38 36 LONG 70 35 08)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	15.3	2.4	03...	29.7	10.9
FEB			10...	23.2	8.8
13...	24	4.8	17...	15.8	6.8
27...	24.1	5.9	24...	2.2	1
MAR			MAY		
14...	28.9	9.4	01...	0	0
20...	23.6	7.5			
27...	26.9	9.3			

444053069084801 -- DIXMONT SNOW SITE (1205-032)(LAT 44 40 53 LONG 69 08 48)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	8.1	1.2	03...	40.2	11.1
FEB			10...	31.5	10.6
13...	19.4	2.9	17...	18	6.2
27...	20.4	4.2	24...	1.8	.7
MAR			MAY		
14...	33.7	6.6	01...	0	0
20...	29	7.2			

444055069535301 -- MERCER SNOW SITE (1015-085)(LAT 44 40 55 LONG 69 53 53)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	13.6	2	03...	31.3	8.3
FEB			10...	19.5	6.9
13...	25.5	3.3	17...	7.7	2.5
26...	27	4.9	24...	0	0
MAR			MAY		
14...	31	8	01...	0	0
20...	25.8	7.4			
27...	22.8	6.7			

444229067312801 -- WHITNEYVILLE SNOW SITE (1041-130)(LAT 44 42 29 LONG 67 31 28)

DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB		
27...	17.9	3.9

444311067450801 -- COLUMBIA FALLS/EPPING SNOW SITE (1317-145)(LAT 44 43 11 LONG 67 45 08)

DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB		
27...	20.4	3.8

444408069254501 -- PITTSFIELD SNOW SITE (1050-091)(LAT 44 44 08 LONG 69 25 45)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB			APR		
13...	19.7	4.6	03...	25.3	8.4
27...	20.7	4.2	10...	12.9	4.7
MAR			17...	1.8	.7
20...	20.5	5.9	24...	0	0
27...	18.7	5.8	MAY		
			01...	0	0

444551070263801 -- WELD-PHILLIPS SNOW SITE (1133-107)(LAT 44 45 51 LONG 70 26 38)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	17.2	3.6	03...	47.2	16.4
FEB			10...	34.6	14.2
13...	25.5	6.1	17...	24.7	11.1
27...	27.8	5.2	24...	11.7	5.5
MAR			MAY		
14...	34.9	11.3	01...	.5	.2
20...	28.5	10.3			
27...	37.1	13.6			

445022068043701 -- BEDDINGTON SNOW SITE (1117-131)(LAT 44 50 22 LONG 68 04 37)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	12.7	2.8	03...	28.8	8.6
FEB			10...	20	7
13...	19	3.7	17...	9.7	4.2
27...	19.8	3.3	24...	0	0
MAR			MAY		
14...	26.6	5.3	01...	0	0
20...	19.8	4			
27...	18.8	5.2			

445226069565301 -- NORTH ANSON SNOW SITE (1024-088)(LAT 44 52 26 LONG 69 56 53)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	13.8	2.1	03...	32.5	11.8
FEB			10...	24.3	9.5
13...	25.1	5.8	17...	8.2	3.8
27...	27.1	7	24...	.5	.2
MAR			MAY		
14...	28.5	8.8	01...	0	0
20...	22.5	7.7			
27...	24.7	9.6			

445346068530301 -- KENDUSKEAG SNOW SITE (1099-040)(LAT 44 53 46 LONG 68 53 03)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	11.1	1.8	03...	28.4	7.4
FEB			10...	18.6	4.8
13...	22.8	3	17...	9.4	3.3
27...	24.5	4.3	24...	0	0
MAR			MAY		
14...	28.2	4.3	01...	0	0
20...	23	5			

445730069361501 -- HARMONY-ATHENS SNOW SITE (1159-161)(LAT 44 57 30 LONG 69 36 15)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB					
26...	29.9	6			

445730070070801 -- KINGFIELD SNOW SITE (1187-159)(LAT 44 57 30 LONG 70 07 08)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	18.5	3.6	03...	44.3	13.4
FEB			10...	27.3	10.9
13...	27.9	5.9	17...	20.1	8.5
27...	28.4	7.7	24...	6.7	3
MAR			MAY		
14...	31.8	9.2	01...	.5	.2
20...	26.8	9.3			
27...	35	11.7			

445833067384301 -- WESLEY SNOW SITE (1327-147)(LAT 44 58 33 LONG 67 38 43)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	12.2	2.5	03...	27.6	7.7
FEB			10...	16	5.1
13...	19.4	3.6	17...	4.3	1.1
27...	19.8	3.8	24...	0	0
MAR			MAY		
14...	23.8	5.2	01...	0	0
20...	17.4	3.6			
27...	16.8	4.5			

445847069515101 -- SOLON (BINGHAM) SNOW SITE (1153-069)(LAT 44 58 47 LONG 69 51 51)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	14.1	2.2	03...	30.4	8.6
FEB			10...	17.8	6.2
13...	25	3.9	17...	8.9	3.1
26...	26.6	5.6	24...	.5	.2
MAR			MAY		
14...	28.4	8.1	01...	0	0
20...	22	7.7			
27...	21	7.2			

450237069185901 -- DEXTER SNOW SITE (1165-077)(LAT 45 02 37 LONG 69 18 59)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	13.3	2.3	03...	31.5	9.9
FEB			10...	19.7	7.8
13...	22.1	6.5	17...	11.1	4.4
26...	25.8	6.8	24...	.5	.2
MAR			MAY		
14...	27.9	7.9	01...	0	0
20...	22.2	6.6			
27...	22.5	7.6			

QUANTITY OF SNOW

450559069464501 -- MAYFIELD SNOW SITE (1066-068)(LAT 45 05 59 LONG 69 46 45)

DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB		
26...	30.9	6.3

450634067194201 -- BARING SNOW SITE (1152-023)(LAT 45 06 34 LONG 67 19 42)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	13	2.8	03...	31.2	10
FEB			10...	23.8	8
13...	22.4	4.7	17...	17.8	7.4
27...	23.3	4.2	24...	4.7	1.8
MAR			MAY		
14...	28.4	6.2	01...	0	0
20...	23	4.4			
27...	22.4	6.4			

450826069204101 -- DOVER-FOXCROFT SNOW SITE (1020-034)(LAT 45 08 26 LONG 69 20 41)

DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB		
26...	26.6	8.8

451015069351701 -- KINGSBURY SNOW SITE (1195-041)(LAT 45 10 15 LONG 69 35 17)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	17.3	3.3	03...	29.2	10.1
FEB			10...	27.4	9.3
13...	27.8	6.1	17...	18.4	6.3
26...	29.9	7.8	24...	4.3	1.5
MAR			MAY		
14...	31.1	8.8	01...	0	0
20...	24.8	7.9			
27...	30.4	8			

451138068281601 -- LOWELL SNOW SITE (1005-046)(LAT 45 11 38 LONG 68 28 16)

DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB		
28...	22	5.4

451500069135901 -- GREELEY'S LANDING SNOW SITE (1492-000)(LAT 45 15 00 LONG 69 13 59)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	11	2.3	03...	38	10
FEB			10...	30	9
12...	25	5	17...	23	7.9
27...	28	6.8	24...	16	5.9
MAR					
05...	27	6.5			
12...	26	6.3			
19...	26	7			
26...	27	8			

451559069345301 -- BLANCHARD SNOW SITE (1101-056)(LAT 45 15 59 LONG 69 34 53)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB			APR		
12...	35	7.7	03...	40	10.4
27...	36	8.9	10...	21	7.4
MAR					
08...	33.5	9.5			
13...	34	8.7			
20...	32	9.8			
27...	30	9.8			

451700069005501 -- MILO SNOW SITE (1006-052)(LAT 45 17 00 LONG 69 00 55)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	11.3	2	03...	30.1	8.9
FEB			10...	21.3	7.7
13...	21	4.6	17...	12.3	4.6
28...	24.5	6.5	24...	0	0
MAR			MAY		
14...	24.9	8.2	01...	0	0
20...	21.2	6.2			
27...	22.8	7.3			

QUANTITY OF SNOW

451829069073001 -- BARNARD PLT. SNOW SITE (1384-061)(LAT 45 18 29 LONG 69 07 30)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB			APR		
12...	23	4.6	03...	36	10
27...	26	6	10...	24	9.3
MAR			17...	15	5.8
07...	26	6.5	24...	5	1.9
13...	27	6.3			
20...	25	6.9			
27...	24	8.6			

451955069324701 -- MONSON SNOW SITE (1190-053)(LAT 45 19 55 LONG 69 32 47)

FEB					
26...	33.3	8.3			

452038069565501 -- THE FORKS SNOW SITE (1002-094)(LAT 45 20 38 LONG 69 56 55)

JAN			APR		
16...	16.5	3.4	03...	40	10.1
FEB			10...	27.6	8
13...	27	5.8	17...	18.5	6.1
26...	27.2	5.8	24...	8.6	3.1
MAR			MAY		
14...	29.9	7.2	01...	0	0
20...	26.7	8.7			
27...	33.1	8.7			

452249068265801 -- LINCOLN SNOW SITE (1132-045)(LAT 45 22 49 LONG 68 26 58)

JAN			APR		
16...	11.1	2.1	03...	35	9.6
FEB			10...	23.2	8.4
13...	19.6	4	17...	12.9	5.6
28...	22.3	5.4	24...	0	0
MAR			MAY		
14...	25.4	6.1	01...	0	0
20...	23	6.2			
27...	19.8	6.1			

452435067581401 -- CARROL-KOSSUTH SNOW SITE (1075-028)(LAT 45 24 35 LONG 67 58 14)

FEB					
28...	25	6.1			

452623067442901 -- TOPSFIELD SNOW SITE (1154-025)(LAT 45 26 23 LONG 67 44 29)

JAN			APR		
16...	12.2	2.8	03...	33.4	9.7
FEB			10...	21	8.1
13...	20.2	4.4	17...	14.4	5.6
28...	23	6	24...	0	0
MAR			MAY		
14...	30.4	6.2	01...	0	0
20...	23.4	6.5			
27...	22.2	6.4			

453559068265901 -- MATTASEUNK SNOW SITE (1201-047)(LAT 45 35 59 LONG 68 26 59)

FEB		
28...	23.4	5.8

453900067491001 -- DANFORTH SNOW SITE (1331-036)(LAT 45 39 00 LONG 67 49 10)

FEB		
28...	25.9	6.6

454346068351301 -- GRINDSTONE SNOW SITE (1004-038)(LAT 45 43 46 LONG 68 35 13)

FEB		
28...	22.1	5.3

455656067593201 -- HOULTON SNOW SITE (1208-011)(LAT 45 56 56 LONG 67 59 32)

FEB		
28...	22	5.3

QUANTITY OF SNOW

460259068133001 -- DYER BROOK SNOW SITE (1110-035)(LAT 46 02 59 LONG 68 13 30)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	10.4	2	03...	31.4	8
FEB			10...	22.6	8.2
12...	18	4.4	17...	16.4	6
27...	23.5	5.5	24...	0	0
MAR			MAY		
08...	22.8	5.1	01...	0	0
13...	24.9	5.4			
20...	23	5.9			
27...	23	6.3			

461013069122901 -- CHAMBERLAIN BRIDGE SNOW SITE (1522-000)(LAT 46 10 13 LONG 69 12 29)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB			APR		
27...	25	5.3	03...	38.4	9.2
MAR			10...	29	8.2
06...	24	5.1	17...	17.6	6.5
13...	27	5.8	24...	8.2	3.2
20...	27	7.9			
27...	33.3	7.6			

461948067502301 -- MONTICELLO SNOW SITE (1500-000)(LAT 46 19 48 LONG 67 50 23)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	13.3	2.9	03...	35.8	8.6
FEB			10...	24.2	9.8
12...	23	5.3	17...	17.9	6
27...	30.2	6.9	MAY		
MAR			01...	0	0
08...	25.3	5.9			
13...	28.5	6.2			
20...	26	6.6			
27...	23.4	6.6			

462153068205801 -- KNOWLES CORNER SNOW SITE (1080-012)(LAT 46 21 53 LONG 68 20 58)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	16.7	3.6	03...	42	10.1
FEB			10...	30.5	9.4
12...	26	4.8	17...	24	8.9
27...	32.2	7.1	24...	13	4.8
MAR			MAY		
08...	29.4	6.6	01...	0	0
13...	33.8	6.5			
20...	30	7.5			
27...	34.1	8.7			

462933069171101 -- CHURCHILL DAM SNOW SITE (1521-000)(LAT 46 29 33 LONG 69 17 11)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
FEB			APR		
27...	31	6.5	03...	34	9.4
MAR			10...	26	8.5
08...	29	5.5	17...	20.5	6.9
20...	27	7.9	24...	14.3	7.1

463600070000001 -- DAAQUAM SNOW SITE (1426-134)(LAT 46 36 00 LONG 70 00 00)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	25.4	5.8	03...	39.7	9.4
FEB			10...	31.3	8.8
13...	30.3	7.1	17...	26.5	5.4
27...	33.8	7	24...	17.3	6.7
MAR			MAY		
08...	33.2	7.9	01...	.5	.2
13...	31.5	7.9			
20...	34.2	8.7			
27...	38.7	8.1			

QUANTITY OF SNOW

463613069310901 -- CLAYTON LAKE SNOW SITE (1206-003)(LAT 46 36 13 LONG 69 31 09)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	21.9	5.4	03...	38.9	9.7
FEB			10...	28.5	7.8
13...	29	6.5	17...	23.2	4.5
27...	31.3	7	24...	14.7	5.6
MAR			MAY		
08...	29.7	7.8	01...	.5	.2
13...	29.9	8			
20...	32.3	8.3			
27...	35.8	9.3			

463619069081201 -- MUSQUACOOK SNOW SITE (1297-133)(LAT 46 36 19 LONG 69 08 12)

JAN			APR		
16...	19	4.2	03...	37.5	8.9
FEB			10...	30.4	8.7
13...	25.1	4.1	17...	23.1	6.1
27...	29.6	5.4	24...	16.5	5.9
MAR			MAY		
08...	29.6	7.6	01...	.5	.2
13...	30.2	6			
20...	32.2	6.1			
27...	34.1	8			

463625068134703 -- SQUA PAN SNOW SITE (1487-000)(LAT 46 36 25 LONG 68 13 47)

FEB			APR		
13...	25	5	03...	42.3	9.4
27...	30.1	6.3	10...	31.5	8.5
MAR			17...	24.4	8.5
08...	27.2	6.1	24...	14	5.2
13...	27.9	6.5	MAY		
20...	27.8	7.4	01...	3.3	1.3
27...	29	7.9			

464051068450201 -- MACHIAS LAKE SNOW SITE (1064-132)(LAT 46 40 51 LONG 68 45 02)

JAN			APR		
16...	19.2	4.1	03...	40.3	9.6
FEB			10...	30.6	9.2
13...	27.4	5.7	17...	23.7	7.2
27...	29.5	6.8	24...	15.2	6.2
MAR			MAY		
08...	27.7	7.4	01...	.5	.2
13...	27.4	7.3			
20...	32	7.8			
27...	30.3	9.3			

465211068010901 -- CARIBOU SNOW SITE (1343-005)(LAT 46 52 11 LONG 68 01 09)

FEB		
12...	21	4.8

465232068000601 -- CARIBOU SNOW SITE (1520-000)(LAT 46 52 32 LONG 68 00 06)

JAN			APR		
16...	12.3	2.5	03...	19.8	7.5
FEB			10...	20	7
27...	27	6	17...	18.3	6.7
MAR			24...	0	0
08...	23	5.9	MAY		
13...	28	6.3	01...	0	0
20...	25	6.2			
26...	22.9	6.3			

465350068305901 -- WINTERVILLE SNOW SITE (1090-021)(LAT 46 53 50 LONG 68 30 59)

JAN			APR		
16...	22.6	5.3	03...	41.3	10.8
FEB			10...	34.6	10.8
12...	23	5.4	17...	27.2	9.5
27...	34.9	5.8	24...	15	4.9
MAR			30...	2.9	.9
12...	32.9	8.2			
20...	36	8.8			
27...	35.2	9.1			

QUANTITY OF SNOW

465451069423401 -- SEVEN ISLANDS SNOW SITE (1266-136)(LAT 46 54 51 LONG 69 42 34)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	18.4	5.3	03...	29.4	10.4
FEB			10...	22.4	9
13...	20.9	6.8	17...	16.8	7.1
27...	26	8.5	24...	11.1	5.5
MAR			MAY		
08...	27.1	8.9	01...	9.4	4.6
13...	25.9	8.2			
20...	26.7	8.7			
27...	30.8	9.8			

470432069041501 -- ALLAGASH SNOW SITE (1038-001)(LAT 47 04 32 LONG 69 04 15)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	21.8	4.6	03...	36.5	9.4
FEB			10...	30.8	8.8
13...	29.4	7.6	17...	22.1	7
27...	32.9	8.4	24...	11.2	3.6
MAR			MAY		
08...	29.6	6.9	01...	.5	.2
13...	29	7.1			
20...	30.6	8.9			
27...	34.1	9.2			

470501068135301 -- GUERETTE SNOW SITE (1061-135)(LAT 47 05 01 LONG 68 13 53)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	20.2	4.6	03...	39.6	10.7
FEB			10...	34.6	11.1
27...	35	7.4	17...	27	8.5
MAR			24...	22.7	7.7
08...	30.1	7.1	29...	9.8	3.4
12...	34	8.1			
20...	36	9			
27...	36.8	9.7			

471412068345201 -- FORT KENT SNOW SITE (1022-008)(LAT 47 14 12 LONG 68 34 52)

DATE	SNOW DEPTH	SNOW, WATER CONTENT	DATE	SNOW DEPTH	SNOW, WATER CONTENT
JAN			APR		
16...	16.7	3	03...	30	8.5
FEB			10...	24.1	6.5
13...	25.9	5.3	17...	15.2	4.9
27...	28.1	7	MAY		
MAR			01...	0	0
08...	24.8	5.5			
13...	24.4	6			
20...	26.6	6.2			
27...	27.9	7.1			

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Tipping bucket precipitation gage

Shirley Mills,Maine

Station Number 452156069371801

Low-flow discharge measurement using a flume

August 2001

CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929)—a geodetic datum derived from a general adjustment for the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.