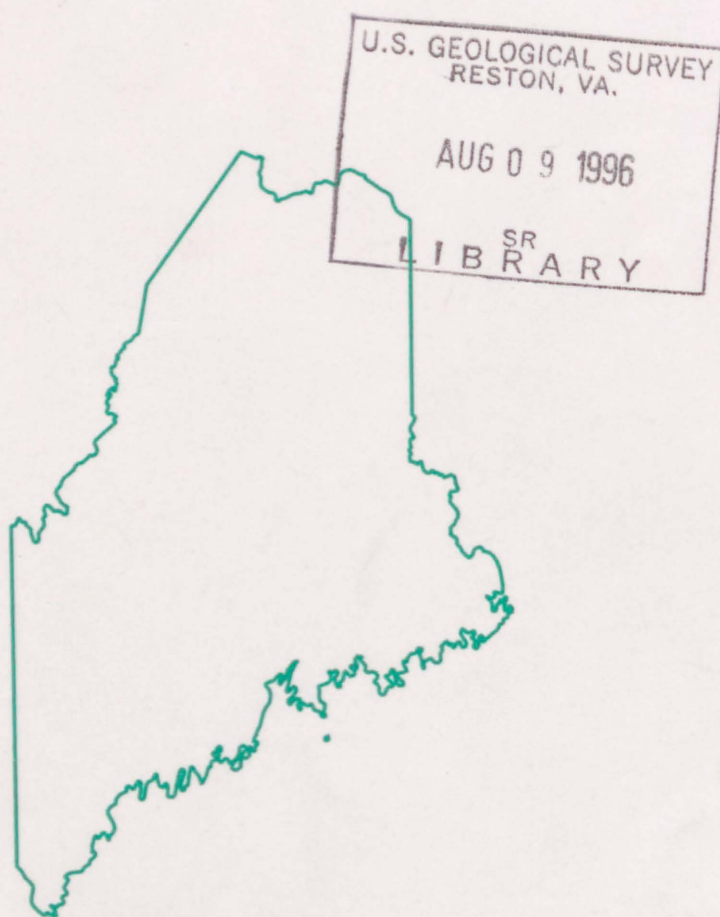


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Water Resources Data Maine Water Year 1995



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ME-95-1
Prepared in cooperation with the State of Maine
and with other agencies

CALENDAR FOR WATER YEAR 1995

1994

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1995

JANUARY							FEBRUARY							MARCH						
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16	17	18	19	20	21	22	21	22	23	24	25	26	27	18	19	20	21	22	23	24
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Water Resources Data Maine Water Year 1995

by J.P. Nielsen, W.B. Higgins, and R.G. Lippert



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ME-95-1
Prepared in cooperation with the State of Maine
and with other agencies

U.S. DEPARTMENT OF THE INTERIOR
BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY
Gordon P. Eaton, Director

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26 Ganneston Drive
Augusta, ME 04330

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 Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

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This report was prepared in cooperation with the State of Maine and with other agencies under the general supervision of William P. Bartlett Jr., Acting Maine District Chief.

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Sandy River near Mercer (d)	01048000	82
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number

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DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

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

[Letters after station name designate type of data collected: (d) discharge, (e) elevation (stage only)]

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	1977-81
St. John River above Fish River at Fort Kent, ME (d)	01012500	4,764	1906-15
Clayton Stream at outlet of Clayton Lake, ME (d)	01012515	13.0	1982-84
Bald Mountain Brook near Bald Mountain, ME (d)	01012520	1.69	1981-84
Bishop Mountain Brook near Bishop Mountain, ME (d)	01012525	1.04	1982-84
Fish River at inlet of Fish River Lake, ME (d)	01012570	70.3	1982-84
St. John River at Van Buren, ME (d)	01015000	8,174	1908-28
Machias River near Ashland, ME (d)	01016500	329	1951-84
Aroostook River at Fort Fairfield, ME (d)	01017500	2,301	1904-10
Marley Brook near Ludlow, ME (d)	01017900	1.47	1964-83
Meduxnekeag River near Houlton, ME (d)	01018000	175	1941-83
St. Croix River Basin			
St. Croix River near Baileyville, ME (d)	01020000	1,315	1920-83
Machias River Basin			
Machias River at Whitneyville, ME (d)	01021500	458	1906-09 1910-21 1929-77
East Machias River near East Machias, ME (d)	01022000	^a 251	1927-58
Pleasant River Basin			
Taylor Brook at the Great Heath, ME (d)	01022250	7.06	1980-83
Pleasant River near Epping, ME (d)	01022260	60.6	1980-91
Union River Basin			
West Branch Union River at Amherst, ME (d)	01023000	148	1910-19 1929-79
Garland Brook near Mariaville, ME (d)	01024200	9.79	1964-83
Green Lake Stream at Lakewood, ME (d)	01025000	^a 47.0	1910-11 1913-13
Branch Lake Stream near Ellsworth, ME (d)	01026000	^a 31.0	1910-13
Penobscot River Basin			
West Branch Penobscot River near Medway, ME (d)	01028000	^a 2,115	1917-40
East Branch Penobscot River at Grindstone, ME (d)	01029500	1,086	1903-03 1905-06 1908-82
Penobscot River near Mattawamkeag, ME (d)	01030000	3,356	1940-91
Mattawamkeag River at Mattawamkeag, ME (d)	01031000	^a 1,500	1903-34
Morrison Brook near Sebec Corners, ME (d)	01031600	4.35	1964-78
Sebec River at Sebec, ME (d)	01033000	326	1925-82 1985-93
Pleasant River near Milo, ME (d)	01033500	323	1920-79
Passadumkeag River at Lowell, ME (d)	01035000	297	1916-79
Cold Stream at Enfield, ME (d)	01035500	^a 28.5	1904-07
Penobscot River at Passadumkeag, ME (d)	01036000	^a 7,000	1939-58
Kenduskeag Stream near Kenduskeag, ME (d)	01036500	176	1942-79
Kenduskeag Stream near Bangor, ME (d)	01037000	^a 195	1909-19
Damariscotta River Basin			
Tributary A, Little Pond near Damariscotta (d)	01037700	0.31	1977-78

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station Name	Station Number	Drainage Area (mi ²)	Period of Record (Water Year)
Kennebec River Basin			
Moose River near Rockwood, ME (d)	01039000	^a 708	1920-25
Kennebec River at Moosehead, ME (d)	01041000	1,268	1920-83
Dead River near Dead River, ME (d)	01043500	516	1940-83
Dead River at The Forks, ME (d)	01045000	867	1903-07 1911-79
Austin Stream at Bingham, ME (d)	01046000	90.0	1932-69
Sandy River near Farmington, ME (d)	01047500	242	1911-15
Wilson Stream at East Wilton, ME (d)	01047730	45.8	1977-85
Kennebec River at Waterville, ME (d)	01048500	4,228	1894-35
Johnson Brook at South Albion, ME (d)	01049130	2.92	1980-91
Cold Brook near North Belgrade, ME (d)	01049218	0.85	1978-79
Hatchery Brook at North Belgrade, ME (d)	01049221	8.83	1978-79
Kennebec River at North Sidney, ME (d)	01049265	5,403	1979-93
Stony Brook near South Vassalboro, ME (d)	01049270	2.99	1979-80
North Branch Tanning Brook near Manchester, ME (d)	01049300	0.93	1964-83
Mill Stream at Winthrop, ME (d)	01049373	32.7	1978-92
Jock Stream at South Monmouth, ME (d)	01049396	13.7	1978-84
Cobbosseecontee Lake at East Winthrop, ME (e)	01049400	131	1975-92
Androscoggin River Basin			
Ellis River at South Andover, ME (d)	01054300	130	1963-83
Pennesseewassee Lake Outlet at Norway, ME (d)	01057510	^a 30.3	1982-83
Thompson Lake Outlet at Oxford, ME (d)	01058005	47.7	1975-78 1981-83
Little Androscoggin River near Auburn, ME (d)	01058500	328	1941-83
Hooper Brook at Sprague Mill, ME (d)	01059090	8.30	1978-80
Sabattus River at Lisbon Center, ME (d)	01059160	72.5	1975-77
Cathance River near Topsham, ME (d)	01059500	36.4	1953-55
Royal River Basin			
Collyer Brook near Gray, ME (d)	01059800	13.8	1965-82
Presumpscot River Basin			
Crooked River near Naples, ME (d)	01063100	150	1975-77
Stroudwater River Basin			
Stroudwater River at South Portland, ME (d)	01064158	27.6	1975-77
Saco River Basin			
Ossipee River at Effingham Falls, NH (d)	01065000	330	1942-90
Little Ossipee River near South Limington, ME (d)	01066500	168	1940-83
Saco River at West Buxton, ME (d)	01067000	^a 1,572	1910-16 1920-40
Saco River at Salmon Falls, ME (d)	01067500	1,593	1939-48
Sandy Brook above landfill near Saco, ME (d)	01067851	1.28	1993-94
Sandy Brook below landfill near Saco, ME (d)	01067853	1.42	1993-94
Mousam River Basin			
Littlefield River at Alfred, ME (d)	01068980	22.4	1978-80
Mousam River near West Kennebunkport, ME (d)	01069500	99.0	1940-84
Webhannet River Basin			
Blacksmith Brook at Wells, ME (d)	01069800	^a 2.48	1975-76
Piscataqua River Basin			
Salmon Falls River near South Lebanon, ME (d)	01072500	140	1929-69

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

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
St. John River at Dickey, ME	01010500	2,680	sd	1976
Allagash River near Allagash, ME	01011000	1,229	sc,wt	1975-80
Allagash River near Allagash, ME	01011000	1,229	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
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
St. Croix River at Milltown, ME	01021050	1,460	sc,pH,wt,do	1969-94
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
Penobscot River at West Enfield, ME	01034500	6,671	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
Sheepscot River at North Whitefield, ME	01038000	145	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
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
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	e	1971(1)
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

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)
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)

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station Name	Station Number	Drainage Area (mi ²)	Type of Record	Period of Record and (number of samples)
Androscoggin River Basin--Continued				
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)
Presumpscot River Basin				
Presumpscot River at Outlet of Sebago Lake, ME	01064000	441	c,e,n	1953(2), 1971(1)
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 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	1959-76
440438070261601	ANW 986	"	Poland	Ice-contact deposits	1976-83
440730070035303	ANW 988B	"	Sabattus	Ice-contact deposits	1976-83
440730070035304	ANW 988C	"	Sabattus	Outwash	1976-89
464619068280401	ARW 1	Aroostook	Portage Lake	Glacial till	1943-83
464807068284401	ARW 1A	"	Portage Lake	Bedrock	1976-91
455611068194601	ARW 2	"	Sherman Mills	Glacial till-bedrock	1943-70 1975-78
460657067512201	ARW 3	"	Houlton	Bedrock	1958-75
460728067513201	ARW 61	"	Houlton	Ice-contact deposits	1980-83
460855067552201	ARW 887	"	Ludlow	Glacial till	1976-81
464018068010101	ARW 904	"	Presque Isle	Bedrock	1986-87
464239067574401	ARW 905	"	Presque Isle	Bedrock	1986-90
464303067592201	ARW 907	"	Presque Isle	Till	1986-91
444950068220601	HW 1	Hancock	Amherst	Glacial till	1943-91
442023069553801	KW 88	Kennebec	East Winthrop	Bedrock	1967-83
443647070552301	OW 400	Oxford	Middle Dam	Glacial till	1944-92
441507070310201	OW 413	"	South Paris	Outwash	1976-78
440642070583401	OW 615	"	Fryeburg	Outwash	1978-91
442515070481001	OW 616	"	Bethel	Outwash	1978-89
444720068523001	PEW 33	Penobscot	Hermon	Bedrock	1958-60
444953068424701	PEW 401	"	Veazie	Ice-contact deposits	1963-67
451047068512201	PEW 455	"	Lagrange	Glacial till	1975-83
451955068344501	PEW 457	"	South Lincoln	Ice-contact deposits	1982-89
444219069545801	SMW 1	Somerset	Mercer	Eolian deposits	1943-83
450234069525701	SMW 48	"	Bingham	Ice-contact deposits	1981-83
454105070170201	SMW 49	"	Dennistown	Glacial till	1981-83
454105070170202	SMW 49A	"	Dennistown	Glacial till	1981-83
442858068593201	WOW 78	"	Belfast	Ice-contact deposits	1981-83
442858068593202	WOW 79	"	Belfast	Ice-contact deposits	1981-83
442822069080901	WOW 84	"	Morrill	Glacial till	1989-91
444240067283501	WW 1	Washington	Machias	Bedrock	1958-83
444950067000501	WW 2	"	Lubec	Terminal moraine deposits	1958-83
443754067384401	WW 901	"	Carr Hill	Ice-contact deposits - till	1985-88
444500068011601	WW 921	"	Deblois	Glacial till	1988-91
434822070482501	YW 1	York	Cornish	Outwash	1943-83
432611070404601	YW 834	"	South Sanford	Glacial sand and gravel	1989-91



Gage house construction
Salmon Falls River near South Lebanon, Maine
1928

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; and water levels and water quality of ground-water wells. This volume contains records for water discharge at 46 gaging stations, water quality data at 12 gaging stations, and water levels at 31 observation wells. Locations of these sites are shown on figures 1-3. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous data. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Maine.

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

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

Publications similar to this report are published annually by the U.S. Geological Survey for all States. These reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report ME-95-1." 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. From 1990 to 1994, all water-data reports were also available on Compact Disc-Read Only Memory (CD-ROM). All data reports published for the given water year for the entire Nation, including Puerto Rico and the Trust Territories, are reproduced on a single CD-ROM disc.

Additional information, including current prices, for ordering specific reports may be obtained from the District Office Chief at the address given on the back of the title page or by telephone (207) 622-8201. A limited number of CD-ROM discs are available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

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:

*Maine Department of Conservation,
C. E. Meadows, Jr., Commissioner
Maine Department of Transportation,
J.G. Melrose, Commissioner
Maine Department of Environmental Protection,
M. Kirkpatrick, Commissioner
University of Maine,
P.D. Uttormark, Assistant Vice President
Greater Portland Council of Governments,
J. D. Bubier, Executive Director
Kennebec Valley Council of Governments,
E. Keene, Executive Director
Northern Maine Development Commission,
R. Clark, Executive Director
Town of Jay,
C. Knight, Town Manager*

Assistance with funds or services was given by the U.S. Department of State in collecting records for 3 gaging stations and 1 water-quality station and by the U.S. Veterans Administration in collecting records for 1 gaging station.

WATER RESOURCES DATA - MAINE 1995

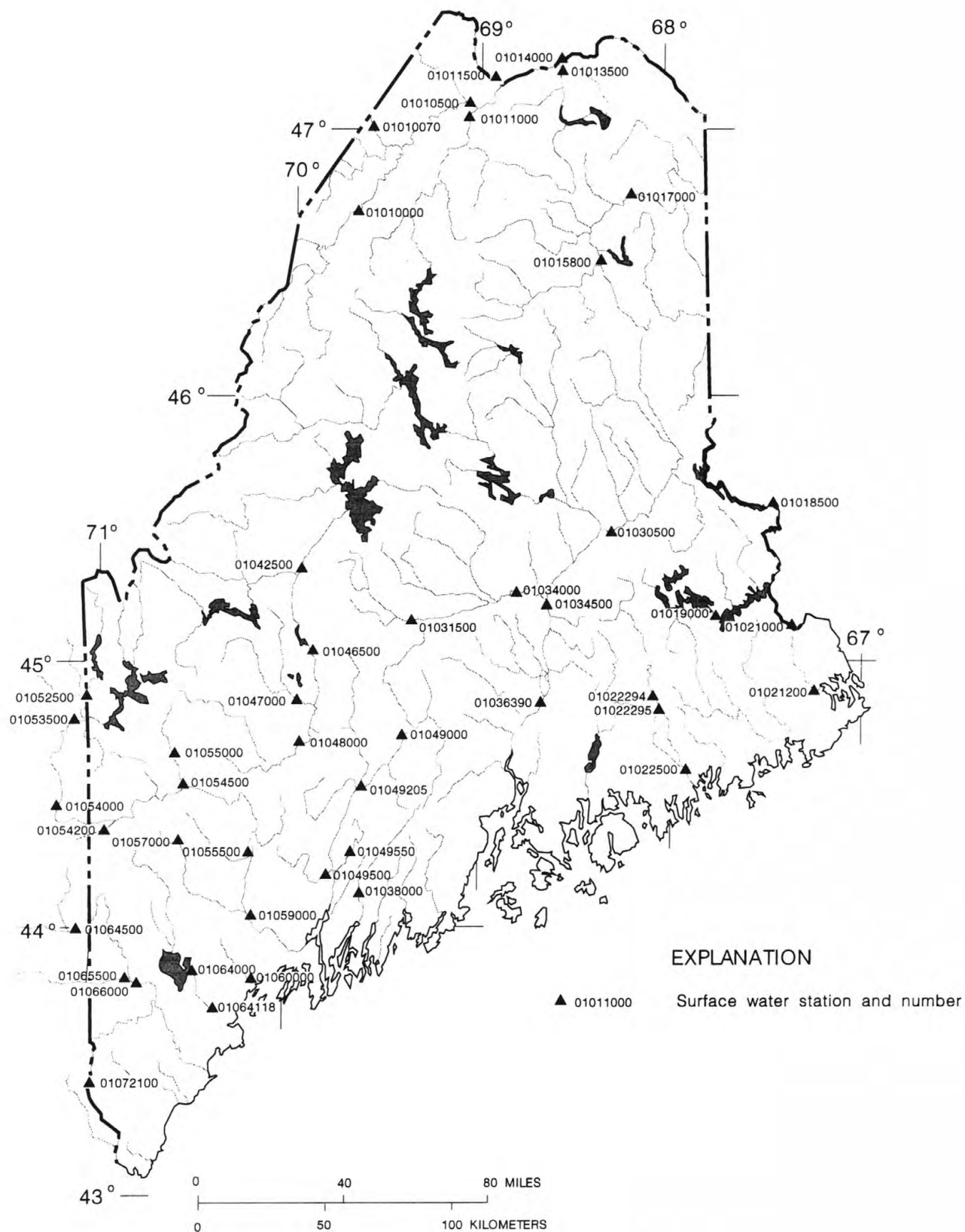


Figure 1.--Location of active surface-water gaging stations.

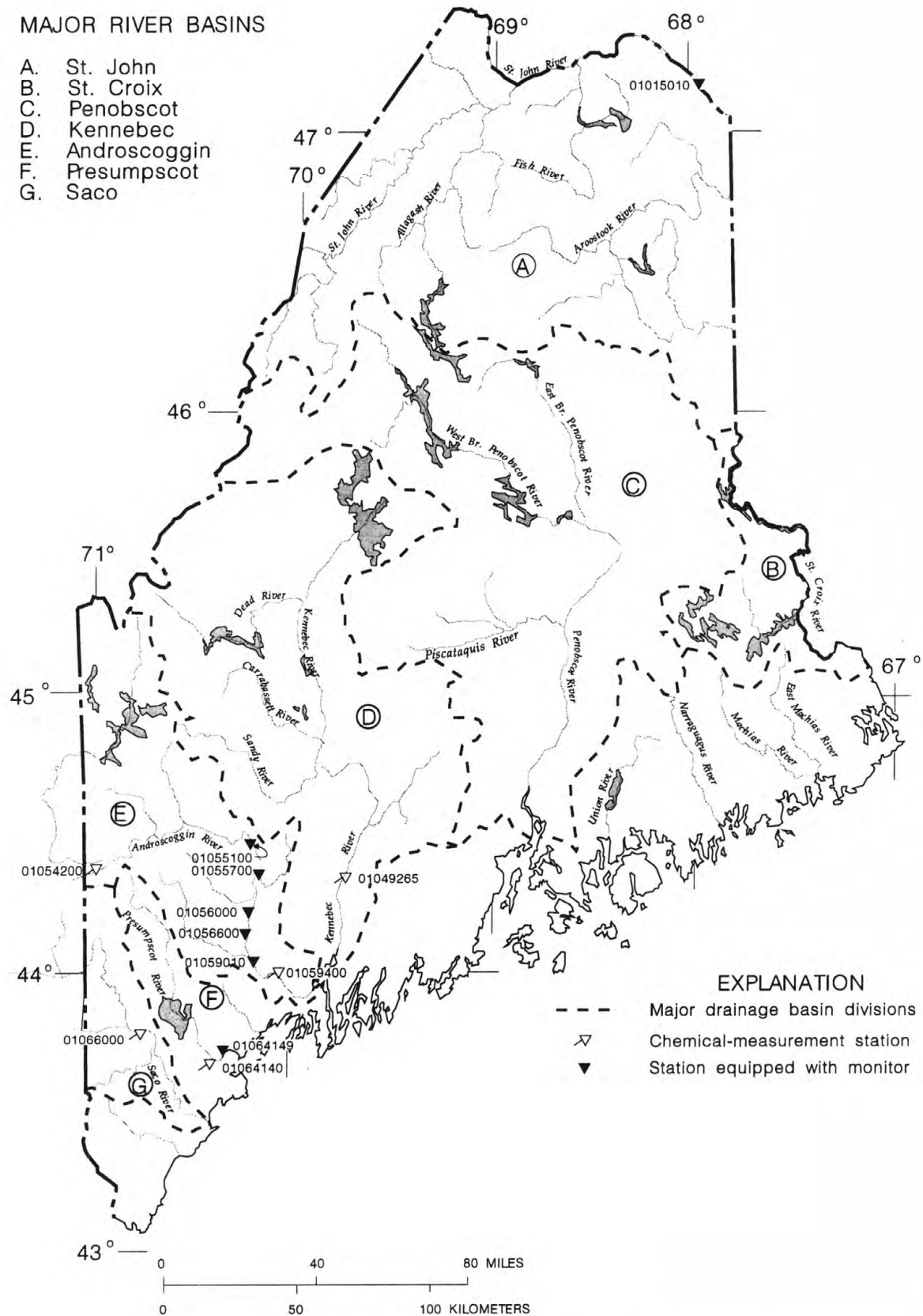


Figure 2.--Location of active surface-water quality data-collection stations.

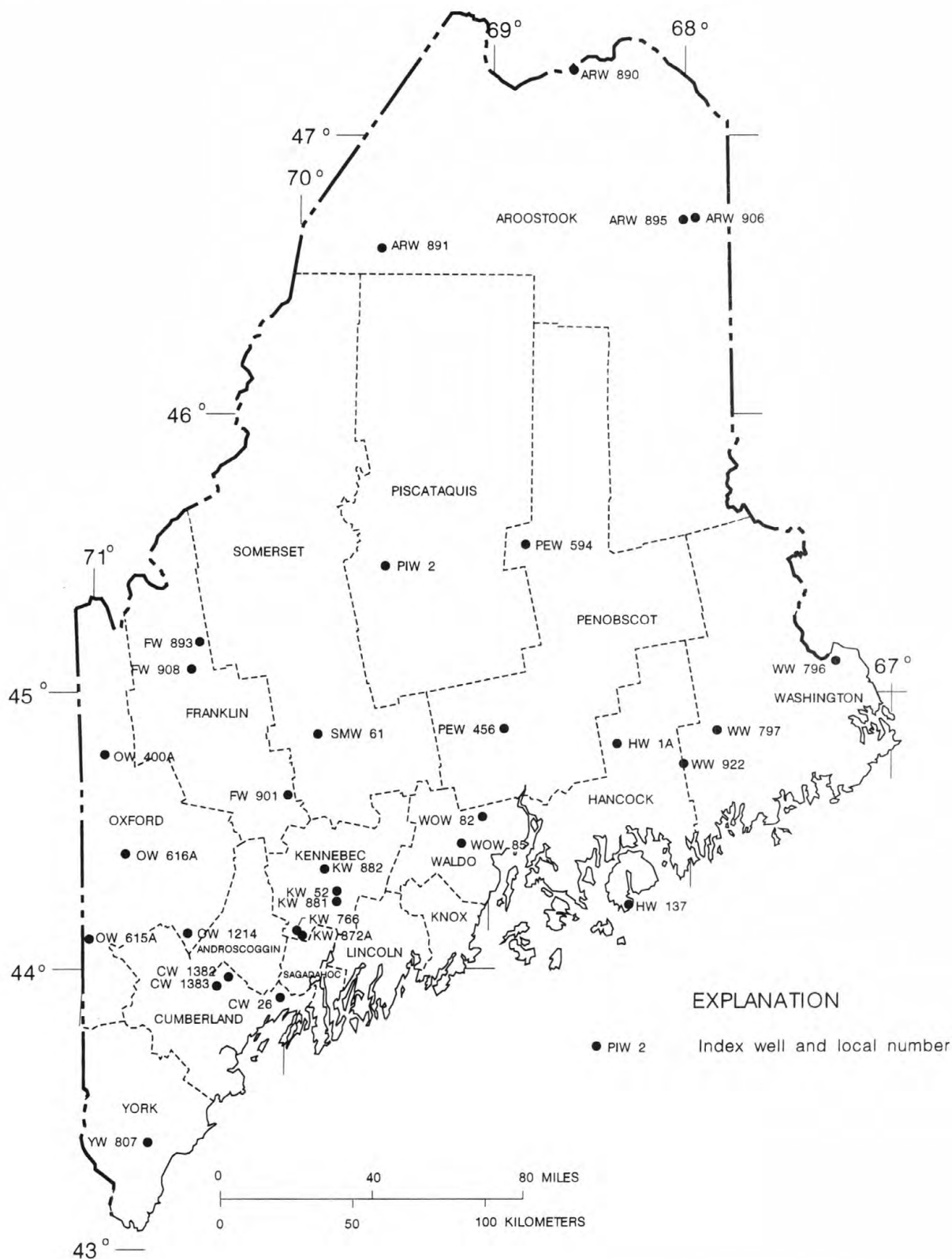


Figure 3.--Location of active ground-water data collection stations.

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

Bangor Hydro-Electric Company
Boise Cascade
Central Maine Power Company
Consolidated Hydro
Georgia-Pacific Corporation
Kennebec Water Power Company
Maine Public Service
S. D. Warren
Union Water Power Company

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

Runoff for the 1995 water year was characterized by flows in the below-normal range following the normal to above-normal flows in water year 1994 (above normal refers to the upper quartile of record, below normal refers to the lower quartile of record, and normal refers to the two middle quartiles). Annual runoff was in the below-normal range at 35 of 43 sites and in the normal range at 8 sites. Annual peak flows had less than a 2-year recurrence interval at all 43 sites. Minimum flows at 30 sites were at flows which have been equaled or exceeded 99 percent of the time and minimum flows at 9 sites were at flows which have been equaled or exceeded 95 to 98 percent of the time. The 1995 monthly and annual mean discharges and the median monthly and annual discharges for the 1961-90 reference period are shown in figure 4 for three long-term index stations. Monthly runoff conditions for Maine are summarized in figure 5.

Usable surface-water storage in six reservoir systems in Maine, as reported by river basin managers, totaled 108,006 million ft³ (cubic feet) at the beginning of the water year; this volume is 62 percent of capacity and 104 percent of the long-term average storage at the beginning of water year. Usable storage decreased during October, increased during November, December, and January, and then began a steady seasonal decline to the 1995 water-year minimum at the end of March, when storage was 80,652 million ft³ (46 percent of capacity, and 119 percent of the long-term average storage at the end of March). Usable storage increased during April and May to the 1995 maximum of 146,087 million ft³ (84 percent of capacity and 93 percent of the long-term average storage at the end of May). Usable storage then decreased during June, July, August, and September. Usable storage at the end of the

water year was 91,502 million ft³ (53 percent of capacity and 87 percent of long-term end-of-water-year average storage).

Precipitation, as reported by the National Weather Service, ranged from 72 to 96 percent of normal at 11 sites in Maine. Table 1 summarizes annual precipitation data at the 11 selected sites during the 1995 water year.

Table 1. --Precipitation at selected locations in Maine for the 1995 water year

Station Location	Precipitation		Departure (inches)	Percentage of normal
	Annual Oct.-Sept. (inches)	Normal Oct.-Sept. (inches)		
Caribou	30.25	36.60	-6.35	83
Presque Isle	26.13	35.25	-9.12	74
Brassua Dam	31.94	39.95	-8.01	80
Jackman	35.76	37.41	-1.65	96
Woodland	36.64	44.87	-8.23	82
Middle Dam	27.15	35.85	-8.70	76
Rumford	33.05	43.12	-10.07	77
Waterville	33.29	41.05	-7.76	81
Gardiner	35.19	42.56	-7.37	83
Lewiston	32.58	45.30	-12.72	72
Portland	35.66	44.34	-8.68	80

The number of National Stream Quality Accounting Network (NASQAN) Stations was reduced from five to four for water-year 1995. Stations on the Kennebec River at North Sidney and Androscoggin River at Brunswick were reactivated and 3 were discontinued. All remaining NASQAN stations were discontinued at the end of water-year 1995, ending the NASQAN program in Maine. Analyses of surface-water samples and associated discharge data from the remaining NASQAN Network and the Hydrologic Benchmark (HBM) station indicated no significant changes in chemical or biological quality from previous years. Nearly all values of the constituents analyzed were within the historical extremes for each site.

Three continuous recording monitoring stations for specific conductance, dissolved oxygen, water temperature and/or pH were discontinued in water-year 1995 leaving a network of seven stations.

In the Androscoggin River Basin, new minimum dissolved oxygen values were recorded at Jay, Turner Bridge, at the 5-foot level of Gulf Island Pond, and at Dressers Rips. New maximum specific conductance values were recorded at four of the continuous recording monitors including all depths at Gulf Island Pond.

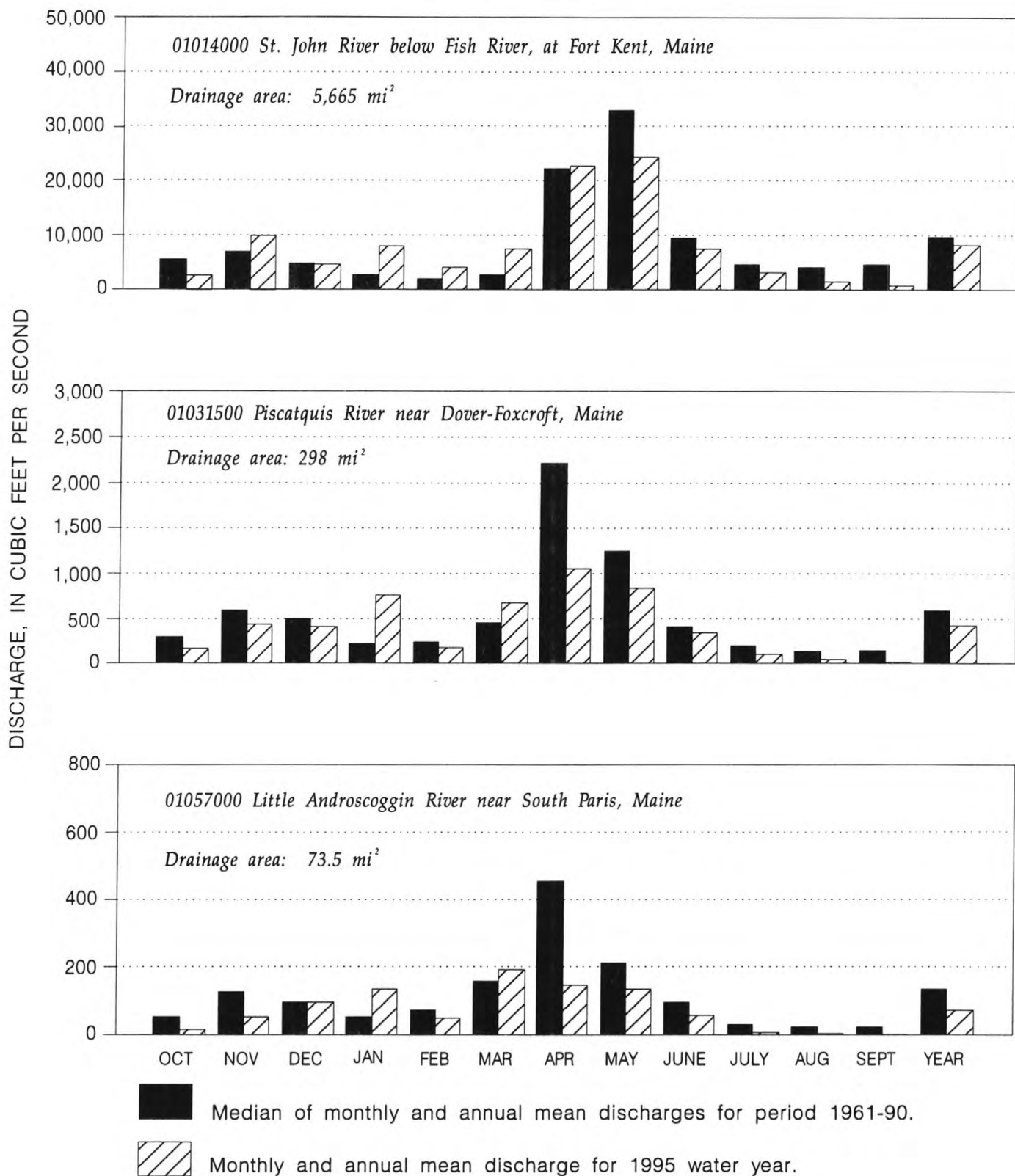


Figure 4.--Comparison of mean discharge at three long-term index gaging stations during 1995 water year with median discharge for period 1961-90.

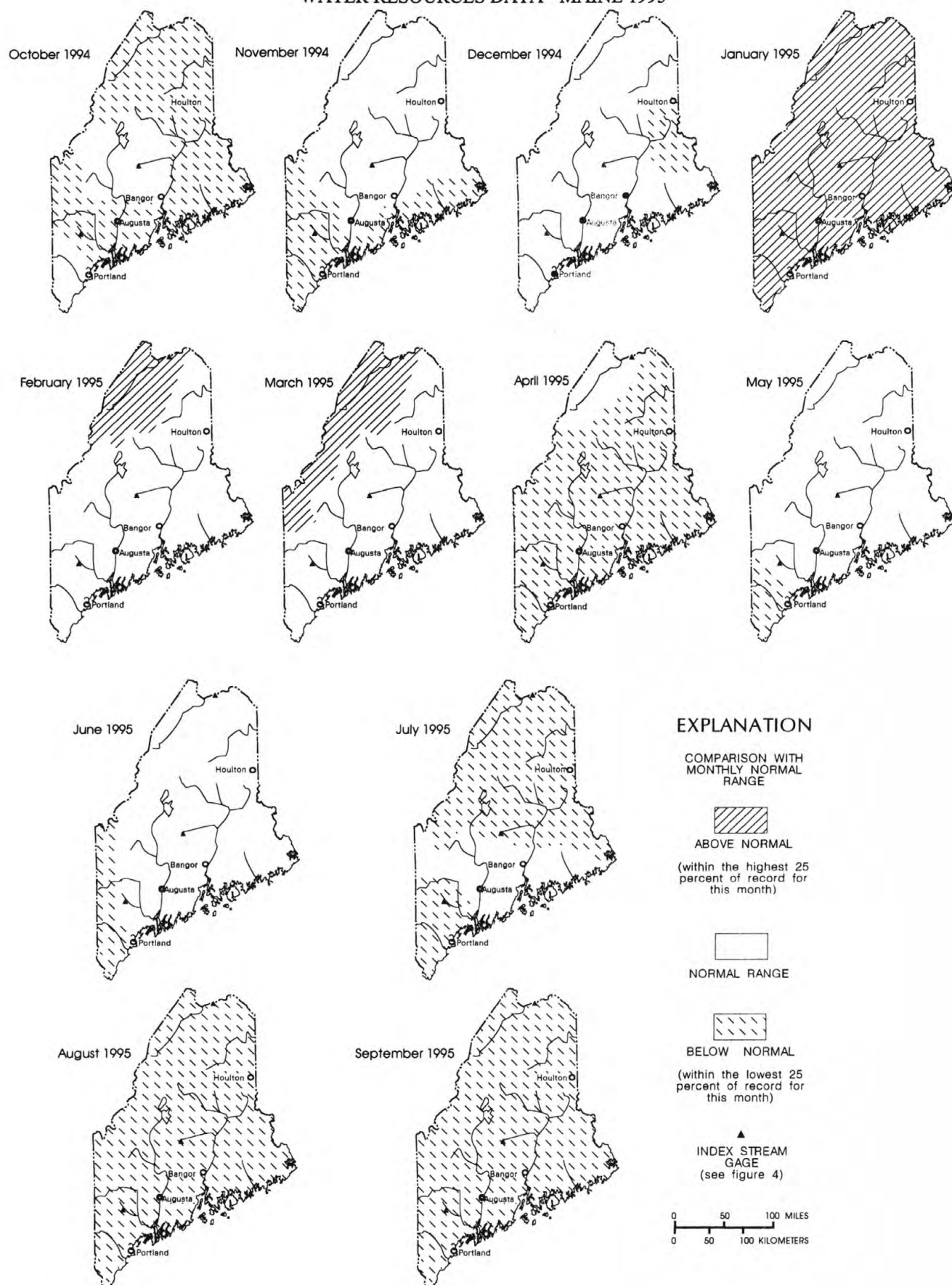


Figure 5.--Monthly surface-water conditions during the 1995 water year in Maine.

The ground-water observation well network consisted of 31 wells during the 1995 water year. Monthly ground-water levels for Maine are summarized in figure 6.

Record ground-water levels were recorded during the water year at the following wells where data have been collected for at least 10 years. A new all-time record low was recorded at Condon (KW 872A) in September. A new all-time record high was recorded at Kenduskeag (PEW 456) in January. New record month-end low levels were recorded at Clayton Lake (ARW 891) in October, February, and July; Parson's Road (ARW 895) in July, August, and September; Eustis (FW 893) in December, January, February, April, May, July, August, and September; Acadia Park (HW 137) in November, December, and September, Condon (KW 872A) in August and September; Madison (SMW 61) in April, August, and September; Calais (WW 796) in August and September; and Hadley Lakes (WW 797) in August and September. Record month-end high levels were recorded at Fort Kent (ARW 891) in January; Parson's Road (ARW 895) in January; Simplot Till (ARW 906) in January, February, March, and April; Acadia Park (HW 137) in January and June; and at Kenduskeag (PEW 456) in January.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 53 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 the activities of man.

National Stream-Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in national or regional water-quality planning and management. The 142 sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

NASQAN was redesigned in 1995 and will be known as NASQAN II beginning in 1996. NASQAN II will focus on four of the largest river basins in the Nation-- the Mississippi, the Columbia, the Colorado, and the Rio Grande. The objective of NASQAN II is to characterize the water quality of these large rivers by measuring concentration and mass

transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1995 water year that began October 1, 1994, and ended September 30, 1995. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water level data. The locations of the stations and wells where the data were collected are shown in figures 1-3. 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 or well, in this report is assigned a unique identification number. This number is unique in that it applies specifically to a given station and to no other. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and for surface-water stations where only miscellaneous measurements are made.

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 indentation in the "List of Stations" in the front of this report. Each indentation represents one rank. This downstream order and system of indentation shows which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

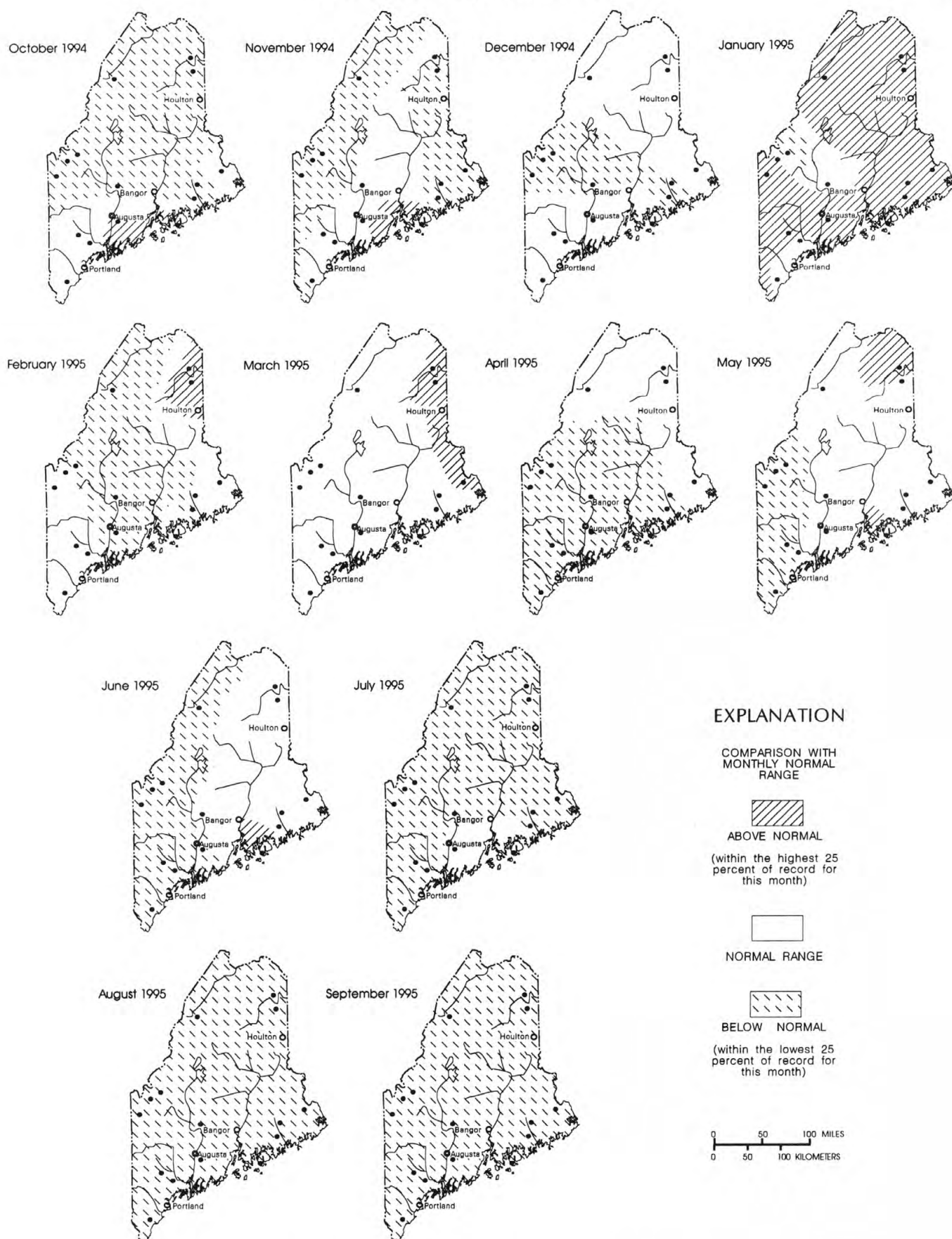


Figure 6.--Monthly ground-water conditions during the 1995 water year in Maine.

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 and miscellaneous surface-water sites 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 7.)

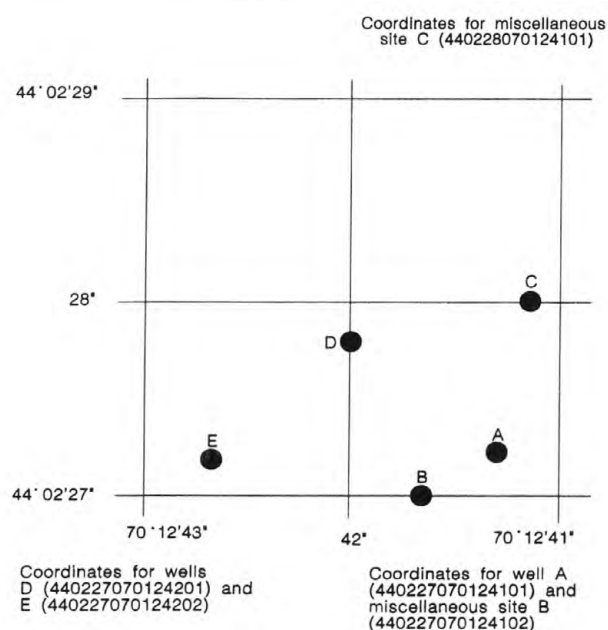


Figure 7.--System for numbering wells and miscellaneous sites (latitude and longitude).

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 miscellaneous discharge measurements or 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 analog recorders that trace continuous graphs of stage, with digital recorders that punch stage values on paper tapes at selected time intervals, or 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

Streamflow data in this report are presented in a new format that is considerably different from the format in data reports prior to the 1991 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table and less information is provided in the text or station manuscript above the table. These changes represent the results of a pilot program to reformat the annual water-data report to meet current user needs and data preferences. In addition, beginning with the 1993 water year, a graphical hydrograph is included for each surface-water discharge station.

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 ft³/s; to the nearest tenth between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures for more than 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value.

Discharges listed for partial-record stations and miscellaneous sites are given to the nearest hundredth of a cubic foot per second for values less than 10 ft³/s and to 3 significant figures for more than 10 ft³/s. An exception is made for discharge measurements made with volumetric techniques (see TWRI, Book 3, Chapter A8) which are given to the nearest thousandth of a cubic foot per second for values less than

0.10 ft³/s. Measurements made using volumetric techniques are footnoted in the table of miscellaneous 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.

Miscellaneous Records

Data collected at miscellaneous 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 **miscellaneous 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 2.

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 miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous 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. These methods are consistent with ASTM standards and generally follow ISO standards.

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. All samples obtained for the National Stream Quality Accounting Network (see definitions) are usually obtained from at least several verticals. 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.

Periodic measurements of in-situ conditions are made at water-quality monitoring points in order to show the relationship between recorded monitor readings and in-situ values. Measurements of a given constituent are made at points along several verticals across the stream, which together form a cross section of the constituent being measured. Cross sections of dissolved oxygen, water temperature, and specific conductance are shown in this report at some monitor locations. Additional cross sections are available from the Maine District Office.

Water temperature

Water temperatures are measured at all water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge 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.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers.

Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream. Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Samples are analyzed locally for specific conductance, dissolved oxygen, pH, temperature, and alkalinity. All other samples were analyzed in the Geological Survey laboratories in Arvada, Colorado, and Lemoyne, Pennsylvania. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI Book 5, Chapter C1. Methods used by the U.S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4, and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (μL) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's and 100's of nanograms per liter (ng/L). Present data above the mg/L level should be viewed with caution. Such data actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analyses. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994. These new protocols were not used in collecting the data presented in this report.

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 miscellaneous 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 miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous 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.

Remark Codes

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

PRINTED OUTPUT	REMARK
E	<i>Estimated value.</i>
>	<i>Actual value is known to be greater than the value shown.</i>
<	<i>Actual value is known to be less than the value shown.</i>
K	<i>Results based on colony count outside the acceptance range (non-ideal colony count).</i>

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 3.

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, from the punched tape of a water-stage recorder, 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.

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, and may be used to acknowledge the assistance of local (non-Survey) observers.

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. All 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 hydrographs, the extremes listed in the station description may not be reflected in the hydrographs. Periods of missing records are indicated by blank spaces in the hydrograph.

ACCESS TO WATSTORE DATA

The U.S. Geological Survey is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by numerous State, local, private, and other Federal agencies to develop and manage our water resources. As part of the Geological Survey's program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National Water Data Storage and Retrieval System (WATSTORE) was established in 1972 to provide an effective and efficient means for the processing and maintenance of water data collected through the activities of the U.S. Geological Survey and to facilitate release of the data to the public. A variety of useful products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced using WATSTORE. The system resides on the central computer facilities of the U.S. Geological Survey at its National Center in Reston, Virginia, and consists of related files and data bases.

***Station Header File** - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where the U.S. Geological Survey collects or has collected data.

***Daily Values File** - Contains more than 220 million daily values of stream flows, stages, reservoir contents, water temperatures, specific conductance, sediment concentrations, sediment discharges, and ground-water levels.

***Peak Flow File** - Contains approximately 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.

***Water Quality File** - Contains approximately 2 million analyses of water samples that describe the chemical physical, biological, and radio-chemical characteristics of both surface and ground water.

***Ground-water Site Inventory Data Base** - Contains inventory data for more than 900,000 wells, springs, and other sources of ground water. The data includes site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

In 1976, the U.S. Geological Survey opened WATSTORE to the public for direct access. The signing of a Memorandum

of Agreement with the Survey is required to obtain direct access to WATSTORE. The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs he/she incurs. Direct access may be obtained by contacting:

U.S. Geological Survey
National Water Data Exchange
421 USGS National Center
Reston, Virginia 20192

In addition to providing direct access to WATSTORE, data can be provided in various machine-readable formats on magnetic tape or floppy disk; and, as noted in the introduction, on CD-ROM discs. Beginning with the 1990 water year, all water-data reports are also available on Compact Disc - Read Only Memory (CD-ROM). All data reports published for the current water year for the entire Nation, including Puerto Rico and the Trust Territories, are reproduced on a single CD-ROM disc. 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's District offices. (See address on the back of the title page). A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, Colorado 80225.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System (SI) Units on the inside of the back cover.

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

Aquifer is a geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian means confined and is used to describe a well in which the water level stands above the top of the aquifer tapped by the well. A flowing artesian well is one in which the water is above the land surface.

Bacteria are microscopic unicellular organisms, 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.

Fecal coliform bacteria are bacteria that 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.

Fecal streptococcal bacteria are bacteria found also in the intestine of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as Gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which 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.

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.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, 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 salt water.

Cubic foot per second (ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Cubic foot per second-day 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, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,445 cubic meters.

Cubic feet per second per square mile [$(\text{ft}^3/\text{s})/\text{mi}^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

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

Instantaneous discharge is the discharge at a particular instant of time.

Annual 7-day minimum is 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.)

Dissolved refers to that material in a representative water sample which passes through a 0.45 μm membrane

filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Dissolved-solids concentration of water 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 of dissolved solids, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. Therefore, in the mathematical calculation of dissolved-solids concentration, the bicarbonate value, in milligrams per liter, is multiplied by 0.492 to reflect the change.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the more general term "stage," although gage height is more appropriate when used with a reading on a gage.

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

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 and is expressed as the equivalent concentration of calcium carbonate (CaCO_3).

Hydrologic Bench-Mark Network (HBM) is a network of 57 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 the activities of man.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an eight-digit number.

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

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

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

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the mass of solute 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.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. The 500 or so sites in NASQAN are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

Parameter Code is a 5-digit number used in the U.S. Geological Survey computerized data system, WATSTORE, to uniquely identify a specific constituent. The codes used in WATSTORE are the same as those used in the U.S. Environmental Protection Agency data system, STORET. The Environmental Protection Agency assigns and approves all requests for new codes.

Partial-record station is a particular site where limited streamflow and/or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of a particle determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube) 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 used in this report agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

<u>Classification</u>	<u>Size (mm)</u>	<u>Method of analysis</u>
Clay	0.00024 - 0.004	Sedimentation
Silt	.004 - .062	Sedimentation
Sand	.062 - 2.0	Sedimentation or 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.

Percent composition 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, mass, or volume.

pH is a symbol denoting the negative logarithm (base 10) of the hydrogen ion concentration of a solution; pH values range from 0 to 14—the lower the value, the more acid is the solution; i.e., the more hydrogen ions it contains.

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

Return period is the average time interval between occurrences of a hydrological event of a given or greater magnitude, usually expressed in years. May also be called recurrence interval.

Runoff in inches (IN., in.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it 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 factors. Some major factors are degree of slope, length

of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

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).

Suspended-sediment discharge (tons/day) is the rate at which dry mass of sediment passes a section of a stream or is the quantity of sediment, as measured by dry mass or volume, that passes a section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) $\times$ discharge (ft^3/s) $\times$ 0.0027.

Suspended-sediment load is a general term that refers to material in suspension. It is not synonymous with either discharge or concentration.

7-day 10-year low flow (7 Q 10) is the discharge at the 10-year recurrence interval taken from a frequency curve of annual values of the lowest mean discharge for 7 consecutive days (the 7-day low flow).

Solute is any substance that is dissolved in water.

Specific conductance (US/CM, $\mu\text{S}/\text{cm}$) is a measure of the ability of a water to conduct an electrical current. It is expressed in microsiemens per centimeter at 25°C. Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 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.

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

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.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best

maps available at the time planimeted. All areas shown are those for the stage when the planimeted map was made.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is associated with the material retained on a 0.45-micrometer filter.

Temperature is the degree of hotness or coldness measured on a defined scale.

Tons per day (T/DAY) is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Total is the total amount of a given constituent in a representative water-suspended sediment 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 all of the constituent in the sample.)

Water year in Geological Survey 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, thus, the year ending September 30, 1991, is called the "1991 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.

WSP is used as an abbreviation for "Water-Supply Paper" in reference to previously published reports.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

The U.S. Geological Survey 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. Geological Survey, Branch of 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 sent by 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 "U.S. Geological Survey Techniques of Water-Resources Investigations."

- 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.
- 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.
- 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.
- 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.
- 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-A10. *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 soluble 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.
- 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-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 H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 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.
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- 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.
- 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.
- 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.
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- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L. J. Britton and P. E. Greeson, editors: USGS--TWRI Book 5, 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.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 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.
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- 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, Chapter C1. 1976. 116 pages.
- 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, Chapter C2. 1978. 90 pages.
- 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, Chapter C3. 1981. 110 pages.
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- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
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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.
K	Results based on colony count outside the acceptance range (non-ideal colony count).

Dissolved Trace-Element Concentrations

NOTE.--Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (ug/L) level. Recent evidence, mostly from large rivers, indicates that actual dissolved-phase concentrations for a number of trace elements are within the range of 10's to 100's of nanograms per liter (ng/L). Data above the ug/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994. Full implementation of the protocols will take place during the 1995 water year. These new protocols were not used in collecting the data presented in this report.

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 mi².

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 periods of ice effect, Nov. 25 to Apr. 15, and Apr. 17, which are poor. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft³/s, May 1, 1974, gage height, 12.63 ft; maximum gage height, 23 ft, Apr. 11, 1991, estimated from flood marks (backwater from ice); minimum discharge, 59 ft³/s, Sept. 5, 1953; gage height, 0.25 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,300 ft³/s, Apr. 23, gage height, 7.19; maximum gage height 8.58 ft, Apr. 15 (backwater from ice); minimum discharge, 90 ft³/s, Sept. 12, 13, gage height 0.58 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2160	565	e530	e400	e1520	e390	e4700	9540	4020	143	860	135
2	1700	3800	e560	e395	e1390	e385	e5150	9200	3100	186	608	132
3	1330	13800	e650	e392	e1270	e380	e5000	8940	2510	185	462	122
4	1070	13500	e750	e387	e1170	e370	e4700	8330	3730	180	386	117
5	898	10100	e900	e381	e1060	e360	e3900	7590	3860	218	444	107
6	778	7540	e1200	e374	e1000	e350	e2950	6880	3230	181	665	109
7	676	6350	e2200	e370	e940	e345	e2760	6030	2710	152	595	115
8	601	5500	e2730	e365	e880	e360	e2620	5010	2230	190	437	122
9	531	4500	e2450	e360	e830	e455	e2500	4250	1770	1110	334	123
10	487	3700	e2150	e355	e790	e470	e2410	3740	1410	2320	270	116
11	462	3040	e1850	e350	e750	e475	e2380	3360	1180	1670	223	109
12	442	2550	e1600	e348	e710	e480	e2500	3130	1120	1070	216	97
13	409	2200	e1350	e343	e670	e495	e2700	3150	1130	688	253	92
14	383	1930	e1180	e340	e650	e545	e3320	3180	983	473	469	94
15	362	1750	e1030	e338	e620	e900	e6600	2930	814	344	642	100
16	339	1660	e940	e460	e590	e1150	8170	3420	685	261	581	128
17	323	1500	e850	e1400	e570	e1350	e6190	6000	613	215	847	148
18	310	1340	e780	e3800	e550	e1950	5720	7840	662	218	715	175
19	302	1280	e710	e10200	e530	e3150	6490	8360	889	327	506	271
20	301	1390	e670	e13300	e510	e3700	9180	6540	736	943	382	267
21	349	1240	e640	e10000	e500	e3600	11700	4870	560	835	304	211
22	647	1230	e650	e7400	e485	e4750	13900	3940	443	1030	255	182
23	907	1610	e640	e5700	e470	e6800	15000	3490	370	1030	220	195
24	971	971	e600	e4500	e460	e7600	12700	3090	312	2420	229	480
25	905	e830	e570	e3700	e440	e7550	10100	3130	264	4440	237	412
26	807	e740	e530	e3250	e430	e7150	8510	2790	220	3280	283	349
27	719	e670	e490	e2750	e415	e6400	7820	2390	191	2360	266	320
28	646	e620	e465	e2380	e400	e5600	8270	2380	170	1660	223	459
29	587	e570	e445	e2100	---	e4800	9630	2290	155	1250	185	541
30	541	e540	e425	e1860	---	e4300	10100	3020	145	1410	158	450
31	503	---	e410	e1670	---	e4470	---	4410	---	1240	140	---
TOTAL	21446	97016	30945	79968	20600	81080	197670	153220	40212	32029	12395	6278
MEAN	692	3234	998	2580	736	2615	6589	4943	1340	1033	400	209
MAX	2160	13800	2730	13300	1520	7600	15000	9540	4020	4440	860	541
MIN	301	540	410	338	400	345	2380	2290	145	143	140	92
CFSM	.52	2.41	.74	1.92	.55	1.95	4.91	3.69	1.00	.77	.30	.16
IN.	.59	2.69	.86	2.22	.57	2.25	5.48	4.25	1.12	.89	.34	.17

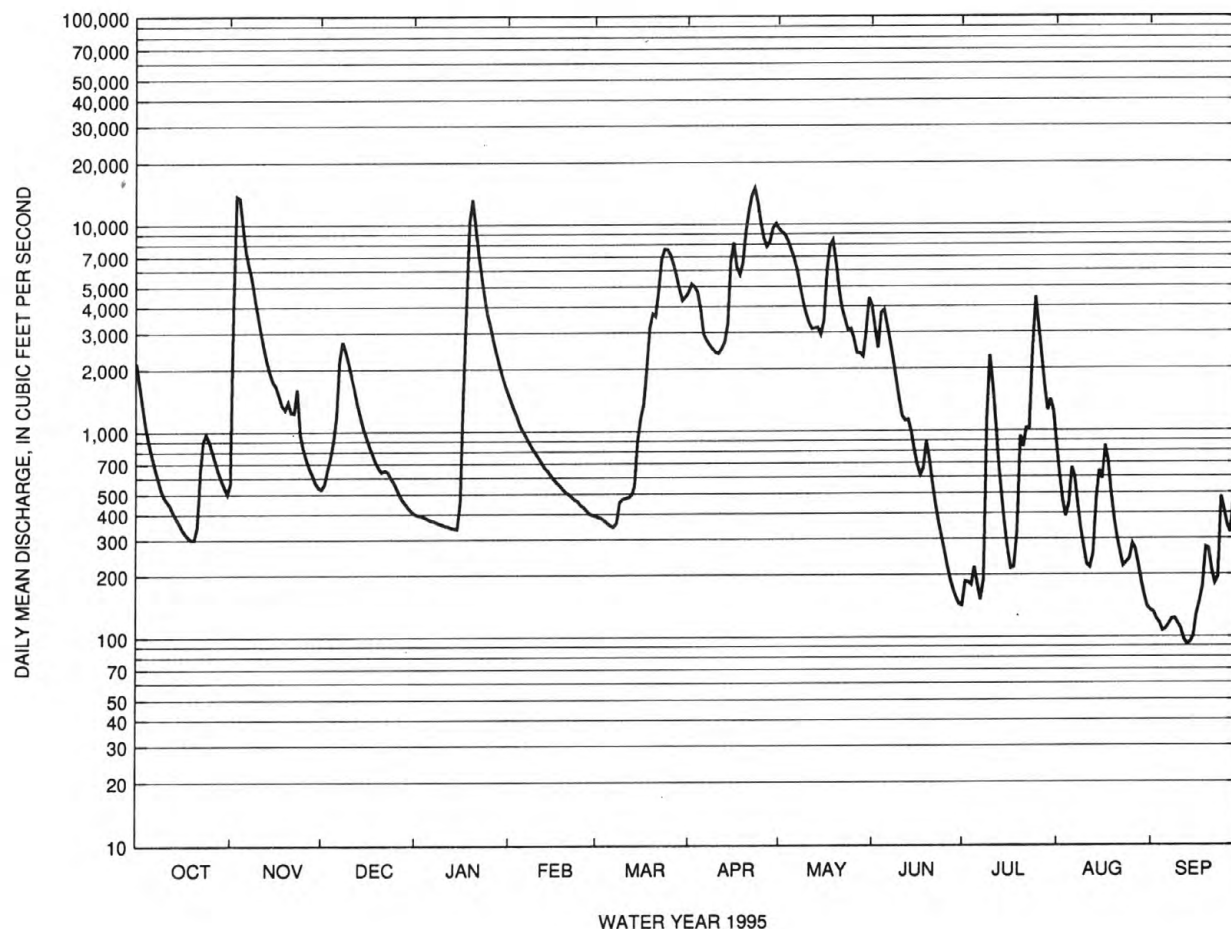
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1986	2233	1332	696	581	920	7160	7197	2130	1361	1369	1328
MAX	6102	5717	4899	2580	1997	4296	13410	16550	4705	6845	5985	3930
(WY)	1991	1964	1951	1995	1986	1979	1976	1961	1954	1984	1981	1954
MIN	347	540	311	207	143	180	1917	1474	453	174	113	102
(WY)	1956	1957	1956	1957	1961	1956	1967	1987	1988	1952	1953	1952

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1951 - 1995	
ANNUAL TOTAL	1043099		772859			
ANNUAL MEAN	2858		2117		2362	
HIGHEST ANNUAL MEAN					3547	
LOWEST ANNUAL MEAN					1336	
					1984	
HIGHEST DAILY MEAN	31100	Apr 18	15000	Apr 23	38600	May 1 1974
LOWEST DAILY MEAN	226	Feb 19	92	Sep 13	60	Sep 7 1987
ANNUAL SEVEN-DAY MINIMUM	237	Feb 13	104	Sep 9	66	Aug 30 1953
INSTANTANEOUS PEAK FLOW			15300	Apr 23	44400	May 1 1974
INSTANTANEOUS PEAK STAGE			8.58	Apr 15	23.00	Apr 11 1991
INSTANTANEOUS LOW FLOW			90	Sep 12	59	Sep 5 1953
ANNUAL RUNOFF (CFSM)	2.13		1.58		1.76	
ANNUAL RUNOFF (INCHES)	28.94		21.44		23.93	
10 PERCENT EXCEEDS	7830		6370		5940	
50 PERCENT EXCEEDS	900		790		975	
90 PERCENT EXCEEDS	343		216		255	



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 mi².

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 period of no gage-height record, Sept. 14-25, which is fair, and periods of ice effect, Nov. 21, Nov. 23 to Apr. 14, which are poor. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,420 ft³/s Apr. 1, 1987; gage height, 15.62 ft; minimum daily discharge, 7.4 ft³/s, Sep. 24, 1985.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 23	0115	*2,640	*9.50				

No other peak greater than base discharge.

Minimum discharge, 15 ft³/s, Sept. 7, gage height, 3.06 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	395	180	e84	e30	e114	e34	e510	1370	567	29	51	18
2	259	1010	e68	e29	e105	e33	e450	1420	350	82	48	17
3	186	1840	e70	e28	e96	e32	e390	1370	276	85	56	17
4	147	1440	e81	e28	e90	e32	e340	1200	327	54	64	16
5	129	913	e101	e27	e85	e31	e300	1060	276	39	96	17
6	102	705	e152	e27	e80	e30	e275	948	251	31	81	17
7	89	766	e350	e26	e76	e30	e255	820	227	27	56	17
8	81	715	e300	e26	e72	e29	e235	657	181	32	40	19
9	75	552	e270	e26	e68	e45	e220	558	141	91	32	22
10	70	427	e220	e25	e65	e56	e210	494	114	106	27	21
11	70	343	e187	e25	e62	e61	e220	445	125	72	23	19
12	65	287	e162	e25	e58	e66	e260	420	280	51	25	18
13	55	247	e142	e27	e55	e74	e350	404	346	38	27	18
14	52	218	e125	e32	e54	e96	e620	374	217	32	31	e19
15	49	210	e109	e40	e52	e135	1050	331	140	27	36	e21
16	47	205	e98	e94	e50	e200	885	503	104	24	48	e23
17	45	184	e86	e350	e48	e300	725	867	92	22	62	e22
18	44	166	e77	e1000	e47	e500	826	1120	97	26	45	e27
19	44	188	e71	e740	e45	e540	1110	997	94	29	31	e39
20	46	212	e65	e610	e43	e520	1690	703	88	32	25	e37
21	97	e173	e62	e490	e42	e490	2000	484	70	51	22	e38
22	230	222	e61	e420	e41	e640	2510	374	57	53	20	e36
23	222	e283	e60	e365	e40	e840	2420	310	49	46	19	e35
24	181	e210	e59	e310	e39	e800	1730	307	44	528	21	e39
25	146	e159	e52	e270	e38	e730	1320	380	39	606	23	e42
26	119	e127	e47	e225	e37	e660	1110	310	40	271	24	49
27	100	e103	e42	e190	e36	e590	1010	259	40	143	23	46
28	89	e87	e39	e170	e35	e530	1180	234	33	92	21	57
29	83	e107	e36	e155	---	e480	1510	210	29	70	19	75
30	76	e104	e34	e138	---	e490	1470	742	27	74	18	64
31	68	---	e32	e122	---	e500	---	829	---	68	17	---
TOTAL	3461	12383	3342	6070	1673	9594	27181	20500	4721	2931	1131	905
MEAN	112	413	108	196	59.7	309	906	661	157	94.5	36.5	30.2
MAX	395	1840	350	1000	114	840	2510	1420	567	606	96	75
MIN	44	87	32	25	35	29	210	210	27	22	17	16
CFSM	.65	2.41	.63	1.15	.35	1.81	5.30	3.87	.92	.55	.21	.18
IN.	.75	2.69	.73	1.32	.36	2.09	5.91	4.46	1.03	.64	.25	.20

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	296	341	195	98.5	72.8	204	1251	664	268	209	150	116
MAX	710	612	708	265	147	852	1807	1342	762	691	551	364
(WY)	1991	1989	1991	1991	1986	1990	1991	1984	1994	1984	1986	1986
MIN	90.5	207	60.5	27.5	13.6	25.9	678	152	67.3	49.1	23.6	20.1
(WY)	1985	1985	1993	1985	1985	1993	1985	1987	1988	1990	1989	1985

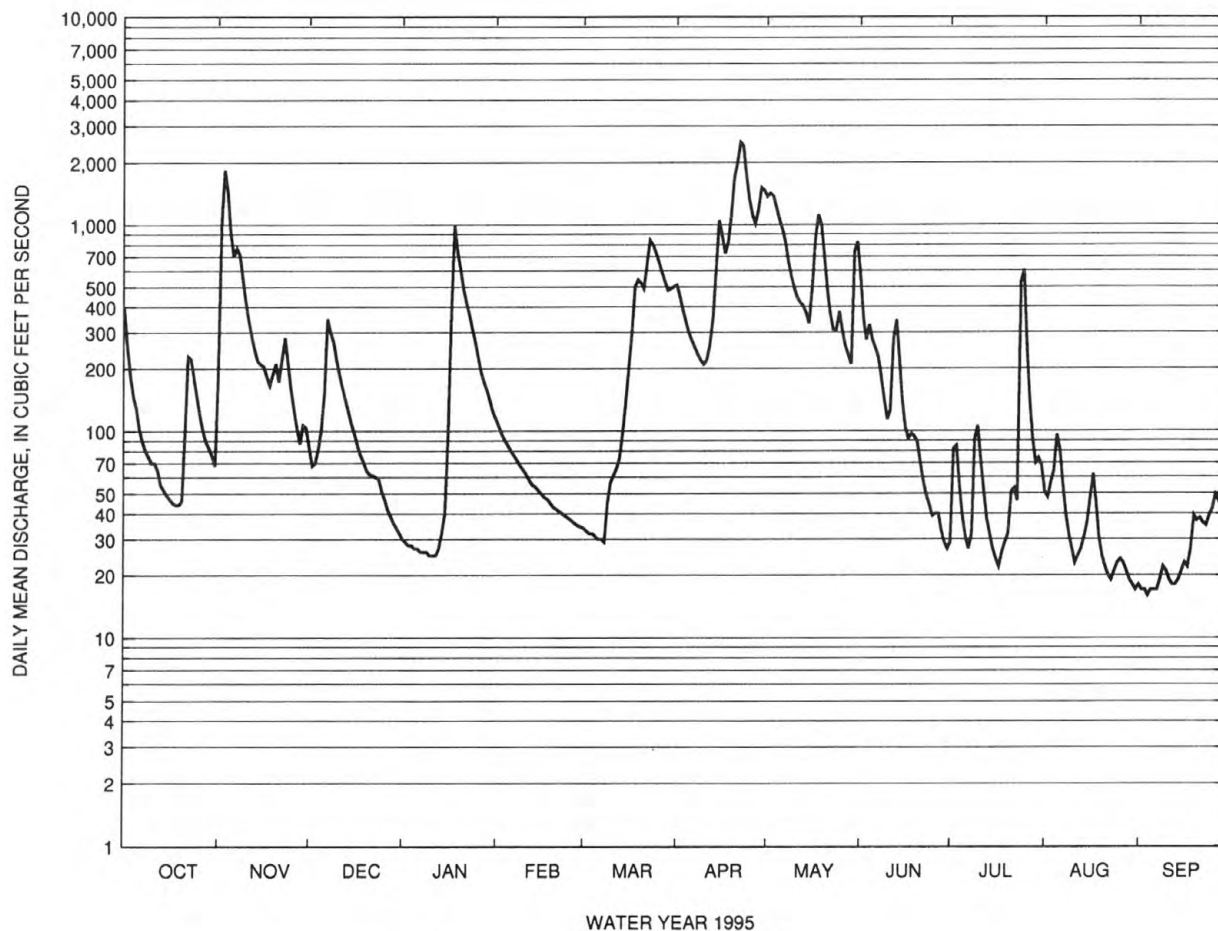
SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1984 - 1995

ANNUAL TOTAL	140614	93892	
ANNUAL MEAN	385	257	322
HIGHEST ANNUAL MEAN			438
LOWEST ANNUAL MEAN			157
			1984
			1985
HIGHEST DAILY MEAN	6080	Apr 16	2510
LOWEST DAILY MEAN	25	Mar 14	16
ANNUAL SEVEN-DAY MINIMUM	27	Mar 10	17
			Aug 31
INSTANTANEOUS PEAK FLOW			2640
INSTANTANEOUS PEAK STAGE			9.50
INSTANTANEOUS LOW FLOW			15
			Apr 23
			Apr 23
			Sep 7
ANNUAL RUNOFF (CFSM)	2.25	1.50	1.88
ANNUAL RUNOFF (INCHES)	30.59	20.43	25.60
10 PERCENT EXCEEDS	1070	734	834
50 PERCENT EXCEEDS	106	88	121
90 PERCENT EXCEEDS	33	26	32



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 mi².

PERIOD OF RECORD.--Discharge: July-Nov. 1910 and Apr.-Nov. 1911 (published as "near Dickey"), Sept. 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.

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 1,800 ft downstream at different datum. September 1946 to April 1962, water-stage recorder at site 800 ft downstream at same datum. April 1962 to August 1993, water-stage recorder at site 500 ft upstream at same datum.

REMARKS.--Records good except for period of no gage height record, Aug. 15 to Sept. 5, which is fair, and periods of ice effect, Nov. 20 to Dec. 6, and Dec. 12 to Apr. 21, which are poor. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 91,700 ft³/s, Apr. 29, 1979, gage height, 19.13 ft; maximum gage height 37.89 ft, from flood marks, Apr. 9, 1991 (backwater from ice); minimum discharge, 129 ft³/s Sept. 17, 1948.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 21	1145	Ice Jam	*20.05	Apr. 23	1330	*32,100	11.56

Minimum discharge, 258 ft³/s, Sept. 6, 7, gage height 1.89 ft.

REVISIONS.--Revised daily discharges for the period Aug. 3, 1993 through Sept. 30, 1994, and appropriate monthly and annual statistics are given on pages 32 and 33. These figures supercede those published in the reports for 1993 and 1994.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4120	1020	e1090	e810	e2930	e780	e9000	20900	8430	550	1730	e354
2	3440	2630	e1180	e790	e2700	e760	e9920	21200	6660	851	1370	e335
3	2640	16400	e1310	e770	e2480	e740	e10200	21200	5220	866	1140	e331
4	2120	22500	e1500	e750	e2250	e720	e9450	20300	4900	781	986	e292
5	1770	17500	e1790	e735	e2080	e700	e7490	18700	6130	671	966	e270
6	1540	13400	e1660	e725	e1960	e680	e5600	16900	5630	589	998	263
7	1370	11600	4350	e710	e1860	e665	e5350	14800	4900	567	1070	285
8	1230	10900	5730	e700	e1770	e690	e5100	12300	4070	590	1050	325
9	1130	8880	5260	e695	e1650	e720	e4900	10400	3300	972	848	351
10	1030	7240	4820	e690	e1550	e770	e4720	9280	2670	2300	694	338
11	955	6030	3900	e685	e1460	e820	e4580	8430	2340	3180	586	322
12	897	5090	e3350	e675	e1390	e900	e4990	7790	3150	2280	536	304
13	864	4370	e2800	e665	e1310	e980	e5300	7410	4500	1630	584	290
14	808	3860	e2400	e660	e1270	e1070	e6530	7200	3530	1260	626	289
15	755	3510	e2150	e660	e1210	e1760	e9150	6770	2560	997	e585	318
16	717	3450	e1950	e810	e1180	e2040	e13400	6210	2040	797	e790	357
17	684	3250	e1750	e1700	e1120	e2560	e12700	9420	1750	660	e1090	347
18	656	2910	e1600	e6000	e1080	e3860	e11700	13300	1690	584	e1150	426
19	637	2690	e1500	e16000	e1040	e5910	e12200	15800	1620	568	e1150	623
20	628	e2630	e1400	e22000	e1010	e7610	e16300	13100	1630	655	e911	580
21	705	e2620	e1310	e14200	e990	e8370	e22100	10100	1470	1190	e723	605
22	968	e2500	e1340	e12800	e960	e8870	28900	7840	1230	1520	e600	577
23	1390	e2600	e1310	e10500	e935	e10500	31700	6690	1040	1460	e540	537
24	1740	e2490	e1220	e8900	e905	e13300	28000	6130	907	2590	e548	620
25	1710	e1840	e1130	e7400	e880	e14800	22100	6240	810	6470	e504	632
26	1550	e1630	e1080	e6300	e860	e14000	18100	6020	726	6130	e483	847
27	1390	e1420	e1020	e5350	e840	e12600	16200	5070	653	4260	e508	737
28	1260	e1250	e940	e4650	e810	e11000	17000	4390	599	3080	e483	700
29	1170	e1180	e900	e4100	---	e9240	19900	4240	567	2290	e462	738
30	1080	e1110	e870	e3600	---	e8210	21700	5260	505	1930	e412	949
31	993	---	e840	e3250	---	e8150	---	8560	---	1930	e378	---
TOTAL	41947	168500	63450	138280	40480	153775	394280	331950	85227	54198	24501	13942
MEAN	1353	5617	2047	4461	1446	4960	13140	10710	2841	1748	790	465
MAX	4120	22500	5730	22000	2930	14800	31700	21200	8430	6470	1730	949
MIN	628	1020	840	660	810	665	4580	4240	505	550	378	263
CFSM	.50	2.10	.76	1.66	.54	1.85	4.90	4.00	1.06	.65	.29	.17
IN.	.58	2.34	.88	1.92	.56	2.13	5.47	4.61	1.18	.75	.34	.19

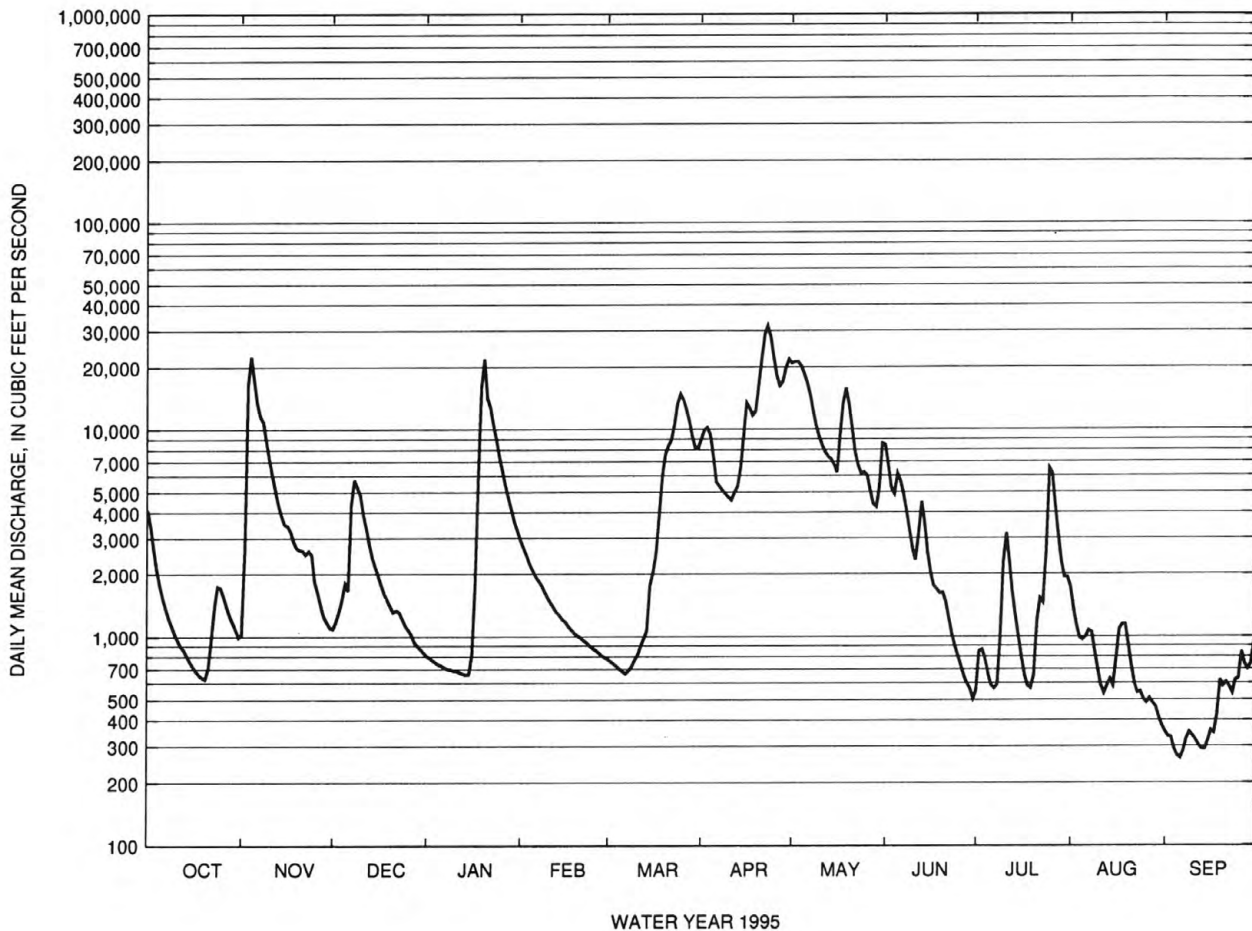
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01010500 ST. JOHN RIVER AT DICKEY, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3677	4141	2619	1370	1110	1689	14190	15830	4572	2799	2645	2484
MAX	11280	10170	9781	4461	3902	9249	27790	35100	10840	10320	11740	7655
(WY)	1978	1964	1951	1995	1981	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

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1946 - 1995	
ANNUAL TOTAL	2039862		1510530		4771	
ANNUAL MEAN	5589		4138		7193	
HIGHEST ANNUAL MEAN					2844	
LOWEST ANNUAL MEAN					1976	
HIGHEST DAILY MEAN	61600		31700		86800	
LOWEST DAILY MEAN	628		263		135	
ANNUAL SEVEN-DAY MINIMUM	683		300		142	
INSTANTANEOUS PEAK FLOW			32100		91700	
INSTANTANEOUS PEAK STAGE			20.05		37.89	
INSTANTANEOUS LOW FLOW			258		129	
ANNUAL RUNOFF (CFSM)	2.09		1.54		1.78	
ANNUAL RUNOFF (INCHES)	28.31		20.97		24.19	
10 PERCENT EXCEEDS	15400		12200		11900	
50 PERCENT EXCEEDS	1740		1550		2010	
90 PERCENT EXCEEDS	849		582		555	



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

REVISIONS. --Revised daily discharges for the period Aug. 3, 1993 through Sept. 30, 1993, and appropriate monthly and annual statistics are given below. These figures supercede those published in the reports for 1993 and 1994.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1992 TO SEPTEMBER 1993
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1270	2990	3960	e460	e660	e304	e2270	12000	5980	3620	2120	1210
2	1160	2570	3400	e455	e630	e297	e2600	11100	9340	3830	2340	1380
3	1100	2260	3030	e450	e605	e292	e2670	9780	15900	2970	2410	1980
4	1090	2090	2700	e450	e585	e286	e2580	8340	12800	2390	3210	2260
5	1080	2070	e2020	e595	e565	e283	e2380	7540	8920	2070	3140	5930
6	1110	2400	e1260	e1100	e545	e276	e2270	7660	6600	1910	2410	6060
7	1020	2890	e882	e1950	e525	e272	e2280	10400	5340	1690	1860	4620
8	935	e2130	e825	e2550	e505	e271	e2400	10800	4570	1450	1470	4620
9	852	e1600	e785	e3050	e485	e268	e2900	8390	3880	1230	1260	4360
10	1020	e1190	e745	e2680	e475	e263	e8000	6720	3610	1110	1190	3730
11	2420	e1140	e710	e2400	e460	e254	e17400	5870	4410	999	1220	6230
12	5110	e1160	e680	e2180	e440	e252	e44500	6140	5460	938	1960	8900
13	4450	2330	e650	e1900	e430	e250	51600	7940	5170	945	2730	6980
14	3370	6680	e630	e1660	e425	e249	39800	13500	4130	831	2640	4840
15	2670	8460	e610	e1470	e415	e247	31000	12000	3280	762	2310	3610
16	2240	6360	e595	e1300	e400	e242	26300	9020	2710	724	1800	2810
17	1960	4840	e585	e1190	e390	e241	26600	7280	2510	689	1470	2380
18	1750	e3170	e575	e1100	e380	e278	36600	6270	2280	652	1760	2130
19	1670	e2320	e640	e980	e370	e330	35400	5410	2070	615	2230	1900
20	1610	e1530	e690	e900	e365	e368	24600	4730	1920	596	2290	1690
21	1500	e1330	e650	e883	e355	e400	18400	4240	1780	646	1800	1520
22	1510	2290	e615	e785	e347	e420	22500	3920	1790	694	1510	1370
23	1650	3190	e610	e820	e342	e415	28800	3620	9410	695	1250	1250
24	1880	3400	e560	e855	e333	e395	32800	3340	22200	750	1100	1220
25	2290	3120	e520	e885	e328	e385	27400	3280	18000	734	1250	1260
26	2900	2810	e490	e890	e322	e480	28100	4540	12100	682	1740	1360
27	3990	2850	e485	e860	e314	e555	27700	5630	7560	625	3380	1410
28	5940	4040	e480	e810	e308	e590	21000	5120	5230	584	2900	1710
29	5680	5300	e475	e770	---	e700	15600	4520	4110	600	2200	3310
30	4590	4740	e470	e730	---	e1300	13200	5830	3640	816	1690	4410
31	3660	---	e465	e690	---	e1760	---	6560	---	1060	1350	---
TOTAL	73477	93250	31792	37798	12304	12923	599650	221490	196700	37907	61990	96440
MEAN	2370	3108	1026	1219	439	417	19990	7145	6557	1223	2000	3215
MAX	5940	8460	3960	3050	660	1760	51600	13500	22200	3830	3380	8900
MIN	852	1140	465	450	308	241	2270	3280	1780	584	1100	1210
CFSM	.88	1.16	.38	.45	.16	.16	7.46	2.67	2.45	.46	.75	1.20
IN.	1.02	1.29	.44	.52	.17	.18	8.32	3.07	2.73	.53	.86	1.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1993, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1946	3662	11280	1978	690	1954
1947	4067	10170	1964	605	1948
1948	2609	9781	1951	624	1956
1949	1312	3059	1978	341	1948
1950	1103	3902	1981	201	1948
1951	1628	9249	1979	378	1956
1952	14130	27790	1976	3999	1965
1953	15890	35100	1961	2681	1987
1954	4494	10840	1947	1152	1968
1955	2780	10320	1984	796	1991
1956	2699	11740	1981	265	1953
1957	2554	7655	1954	397	1953

SUMMARY STATISTICS FOR 1992 CALENDAR YEAR FOR 1993 WATER YEAR WATER YEARS 1946 - 1993

ANNUAL TOTAL	1573379	1475721	
ANNUAL MEAN	4299	4043	4754
HIGHEST ANNUAL MEAN			7193
LOWEST ANNUAL MEAN			2844
			1976
			1965
HIGHEST DAILY MEAN	64900	Apr 24	51600
LOWEST DAILY MEAN	465	Dec 31	241
ANNUAL SEVEN-DAY MINIMUM	484	Dec 25	248
			Mar 11
INSTANTANEOUS PEAK FLOW			57100
INSTANTANEOUS PEAK STAGE			15.38
INSTANTANEOUS LOW FLOW			129
			Apr 13
			Apr 13
			Apr 29 1979
			Sep 15 1948
			Sep 11 1948
ANNUAL RUNOFF (CFSM)	1.60	1.51	1.77
ANNUAL RUNOFF (INCHES)	21.84	20.48	24.10
10 PERCENT EXCEEDS	9900	8910	11800
50 PERCENT EXCEEDS	2030	1800	2000
90 PERCENT EXCEEDS	610	409	550

e Estimated

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3710	3930	e7160	e1570	e1000	e2000	e1180	32700	15200	8850	2320	1360
2	3070	3780	e5040	e1510	e1040	e1950	e1180	37000	16300	7430	1990	1090
3	2810	3480	e4090	e1450	e1090	e1860	e1180	38100	14400	8160	1860	917
4	4860	3310	3840	e1410	e1100	e1750	e1200	34600	11600	9020	2770	795
5	6620	3350	3670	e1330	e1110	e1620	e1240	34400	8890	7160	4060	711
6	6830	5850	3360	e1300	e1100	e1510	e1350	32900	7020	6030	5050	728
7	5400	14600	3270	e1250	e1050	e1400	e1640	29500	6060	6360	4930	792
8	4250	14500	2980	e1200	e970	e1290	e2290	27700	6990	5700	3540	851
9	3660	10800	e2560	e1150	e900	e1240	e2920	27100	8830	5090	2600	1060
10	4630	8250	e2280	e1110	e840	e1210	e3680	27600	7620	5230	2160	1180
11	8100	6730	e3040	e1080	e790	e1200	e4560	25700	5880	6060	1890	1430
12	7530	5770	e5780	e1050	e750	e1170	e5620	21900	4730	5810	1590	1810
13	6310	5170	e7040	e1010	e730	e1160	e7650	20900	4720	4530	1380	2220
14	6330	4940	e7430	e970	e710	e1150	e11500	18900	9490	3500	1310	2010
15	6110	5040	e7310	e950	e690	e1140	e18000	15900	22700	2820	1360	1660
16	5240	6340	e6040	e925	e680	e1150	e31300	13800	19400	2470	2160	1390
17	4370	7150	e4180	e900	e670	e1150	59700	12100	12500	2460	2020	1220
18	4960	6510	e3440	e880	e660	e1160	61600	10800	8300	2320	1620	1140
19	8640	5700	e3140	e860	e660	e1160	50700	9560	7170	2210	1310	1120
20	8430	5840	e3020	e845	e710	e1170	37800	8370	6760	2550	1110	1280
21	6780	7460	e3000	e830	e880	e1180	30100	7330	5540	3120	1070	1240
22	11600	7640	e3190	e815	e1200	e1180	24400	6510	8090	3370	1270	1120
23	18200	6390	e2900	e800	e1400	e1170	19700	6270	13900	3940	1590	1010
24	14200	e5350	e2460	e785	e1620	e1160	16200	6460	10700	4510	1610	921
25	10300	e3910	e2300	e770	e1900	e1160	14800	6010	7140	3860	1280	863
26	8070	e2830	e2150	e760	e2020	e1170	15800	5330	6500	3680	1060	832
27	6500	e2430	e2010	e750	e2070	e1180	17300	6030	9000	4430	929	843
28	5540	e2860	e1920	e740	e2050	e1190	28400	9920	8850	5070	852	901
29	5090	e5200	e1820	e780	---	e1200	38200	13500	13100	4510	1000	1050
30	4760	e8770	e1730	e860	---	e1190	35900	13000	12300	3510	1270	2420
31	4250	---	e1640	e930	---	e1190	---	13600	---	2860	1790	---
TOTAL	207150	183880	113790	31570	30390	40410	547090	573490	299680	146620	60751	35964
MEAN	6682	6129	3671	1018	1085	1304	18240	18500	9989	4730	1960	1199
MAX	18200	14600	7430	1570	2070	2000	61600	38100	22700	9020	5050	2420
MIN	2810	2430	1640	740	660	1140	1180	5330	4720	2210	852	711
CFSM	2.49	2.29	1.37	.38	.40	.49	6.80	6.90	3.73	1.76	.73	.45
IN.	2.88	2.55	1.58	.44	.42	.56	7.59	7.96	4.16	2.04	.84	.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 1994, BY WATER YEAR (WY)

MEAN	3725	4110	2631	1306	1103	1621	14210	15940	4608	2821	2683	2526
MAX	11280	10170	9781	3059	3902	9249	27790	35100	10840	10320	11740	7655
(WY)	1978	1964	1951	1978	1981	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

SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1946 - 1994

ANNUAL TOTAL	1782022	2270785	
ANNUAL MEAN	4882	6221	4784
HIGHEST ANNUAL MEAN			7193
LOWEST ANNUAL MEAN			2844
			1976
HIGHEST DAILY MEAN	51600	Apr 13	61600
LOWEST DAILY MEAN	241	Mar 17	660
ANNUAL SEVEN-DAY MINIMUM	248	Mar 11	683
			Feb 18
			Feb 14
INSTANTANEOUS PEAK FLOW			69700
INSTANTANEOUS PEAK STAGE			23.81
INSTANTANEOUS LOW FLOW			Apr 17
			Apr 15
			91700
			37.89
			129
			Apr 29 1979
			Apr 9 1991
			Sep 17 1948
ANNUAL RUNOFF (CFSM)	1.82	2.32	1.79
ANNUAL RUNOFF (INCHES)	24.74	31.52	24.25
10 PERCENT EXCEEDS	10600	14700	11900
50 PERCENT EXCEEDS	2670	3070	2020
90 PERCENT EXCEEDS	409	901	552

e Estimated

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 mi², not including 249 mi² drained by Chamberlain Lake through Telos Canal.

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

Chemical analyses: Water years 1952-53, 1975, 1981.

Specific conductance: April 1975 to September 1980.

Water temperatures: April 1975 to September 1980.

Suspended sediment discharge: October 1975 to September 1976.

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

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

REMARKS.--Records good except for period of ice effect, Dec. 8 to Apr. 18, which is poor. Some regulation for recreational purposes since May 1969 by Churchill Lake, usable capacity, about 3.4 billion ft³, 58 mi upstream. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,710 ft³/s, Apr. 23, gage-height, 6.96 ft; maximum gage-height, 7.56 ft, Jan. 19 (backwater from ice); minimum discharge, 183 ft³/s, Sept. 12-14, gage height 1.78 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1410	647	1190	e780	e1800	e730	e1300	7320	3020	616	567	220
2	1270	1440	1160	e750	e1700	e720	e1380	7700	2770	654	538	218
3	1130	3410	1260	e730	e1610	e705	e1320	7760	2790	608	478	212
4	1010	3910	1160	e715	e1530	e695	e1330	7530	3350	571	450	203
5	914	3620	1190	e700	e1450	e685	e1330	7140	3320	547	439	200
6	845	3270	1490	e695	e1400	e675	e1320	6680	3200	533	411	207
7	784	3260	2080	e685	e1340	e670	e1310	5960	2860	524	385	212
8	740	3230	e1730	e675	e1280	e680	e1290	5150	2460	582	363	235
9	699	2960	e1630	e665	e1230	e730	e1270	4850	2130	766	337	230
10	681	2690	e1520	e655	e1190	e800	e1250	4380	1920	774	316	214
11	657	2450	e1450	e645	e1160	e800	e1230	3970	1810	696	302	200
12	613	2240	e1360	e635	e1120	e790	e1290	3750	1900	608	305	188
13	582	2100	e1310	e625	e1090	e770	e1450	3700	1830	571	354	184
14	564	1960	e1250	e620	e1060	e750	e1620	3540	1660	585	359	206
15	534	1860	e1190	e680	e1020	e745	e1850	3290	1500	529	346	218
16	506	1770	e1150	e1170	e980	e790	e2100	3050	1400	482	368	206
17	483	1660	e1110	e2570	e960	e840	e2440	3190	1360	441	366	201
18	464	1510	e1060	e4250	e940	e860	e3030	3840	1310	442	325	244
19	460	1400	e1020	e4640	e910	e865	3760	4190	1160	450	289	260
20	460	1280	e990	e4250	e890	e860	4950	3940	1020	446	272	252
21	536	1170	e965	e3680	e870	e850	6070	3630	908	477	267	271
22	797	1270	e950	e3300	e845	e1040	7660	3430	838	466	262	302
23	837	1430	e925	e3070	e825	e1390	8580	3340	776	450	253	365
24	832	1360	e900	e2850	e805	e1580	7790	3200	731	837	278	373
25	808	1330	e895	e2670	e790	e1550	7010	3130	707	979	298	361
26	790	1270	e900	e2510	e770	e1490	6400	2940	723	774	286	352
27	775	1070	e900	e2360	e755	e1440	6100	2810	707	760	265	363
28	719	857	e895	e2220	e740	e1370	6380	2700	680	732	248	362
29	677	1130	e875	e2110	---	e1300	7030	2630	650	682	235	327
30	644	1210	e845	e2010	---	e1250	7030	3200	619	684	226	307
31	610	---	e825	e1900	---	e1220	---	3350	---	624	219	---
TOTAL	22831	58764	36175	55815	31060	29640	106870	135290	50109	18890	10407	7693
MEAN	736	1959	1167	1800	1109	956	3562	4364	1670	609	336	256
MAX	1410	3910	2080	4640	1800	1580	8580	7760	3350	979	567	373
MIN	460	647	825	620	740	670	1230	2630	619	441	219	184
CFSM	.60	1.59	.95	1.46	.90	.78	2.90	3.55	1.36	.50	.27	.21
IN.	.69	1.78	1.09	1.69	.94	.90	3.23	4.10	1.52	.57	.32	.23

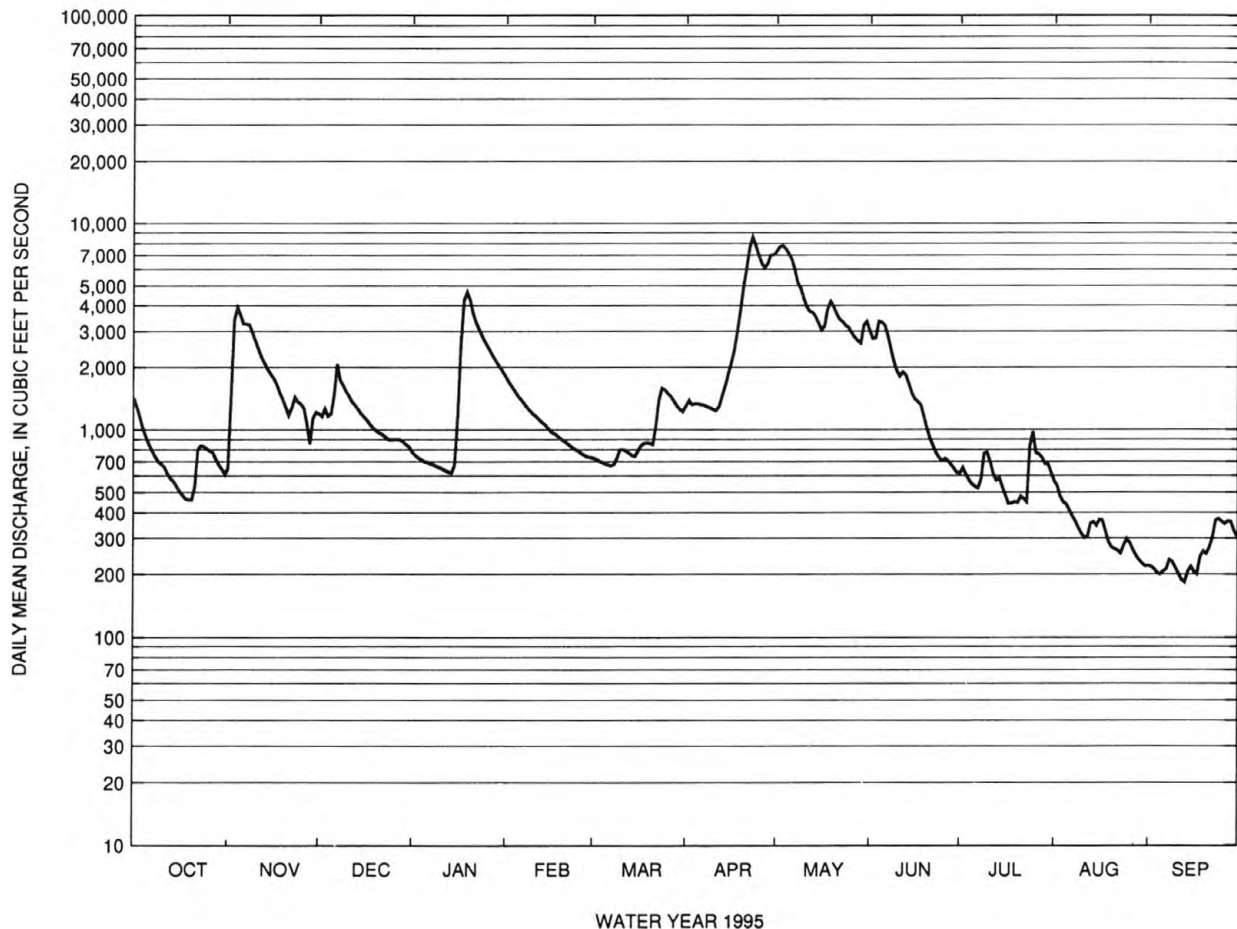
e Estimated

01011000 ALLAGASH RIVER NEAR ALLAGASH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1329	1585	1182	718	579	736	4602	6572	2287	1417	1148	1066
MAX	5068	4628	4549	1865	2224	3610	10100	13550	4544	4053	5292	3133
(WY)	1991	1964	1951	1958	1981	1979	1976	1961	1947	1954	1976	1954
MIN	149	235	252	192	119	181	623	1269	719	365	165	122
(WY)	1969	1969	1969	1948	1948	1956	1944	1987	1968	1965	1968	1968

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1931 - 1995	
ANNUAL TOTAL	877409		563544			
ANNUAL MEAN	2404		1544		1940	
HIGHEST ANNUAL MEAN					2899	
LOWEST ANNUAL MEAN					989	
					1976	
HIGHEST DAILY MEAN	18100		Apr 18		32100	
LOWEST DAILY MEAN	460		Oct 19		91	
ANNUAL SEVEN-DAY MINIMUM	485		Mar 10		91	
					Mar 9 1948	
INSTANTANEOUS PEAK FLOW			8710		Apr 23	
INSTANTANEOUS PEAK STAGE			7.56		Jan 19	
INSTANTANEOUS LOW FLOW			183		Sep 12	
					87	
					Apr 18 1983	
					Apr 10 1991	
					Sep 11 1960	
ANNUAL RUNOFF (CFSM)	1.96		1.26		1.58	
ANNUAL RUNOFF (INCHES)	26.56		17.06		21.45	
10 PERCENT EXCEEDS	5970		3470		4670	
50 PERCENT EXCEEDS	1070		910		980	
90 PERCENT EXCEEDS	569		304		320	



01011500 ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE, NEAR CONNORS, NEW BRUNSWICK
(International gaging station)

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

DRAINAGE AREA.--524 mi².

PERIOD OF RECORD.--October 1951 to current year.

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

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 ft³/s, Apr. 30, 1979, gage height, 15.39 ft; minimum daily discharge, 60 ft³/s, Oct. 11, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,790 ft³/s, May 5, gage height, 9.40 ft; minimum daily discharge, 73 ft³/s, Sept. 12 and 13.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

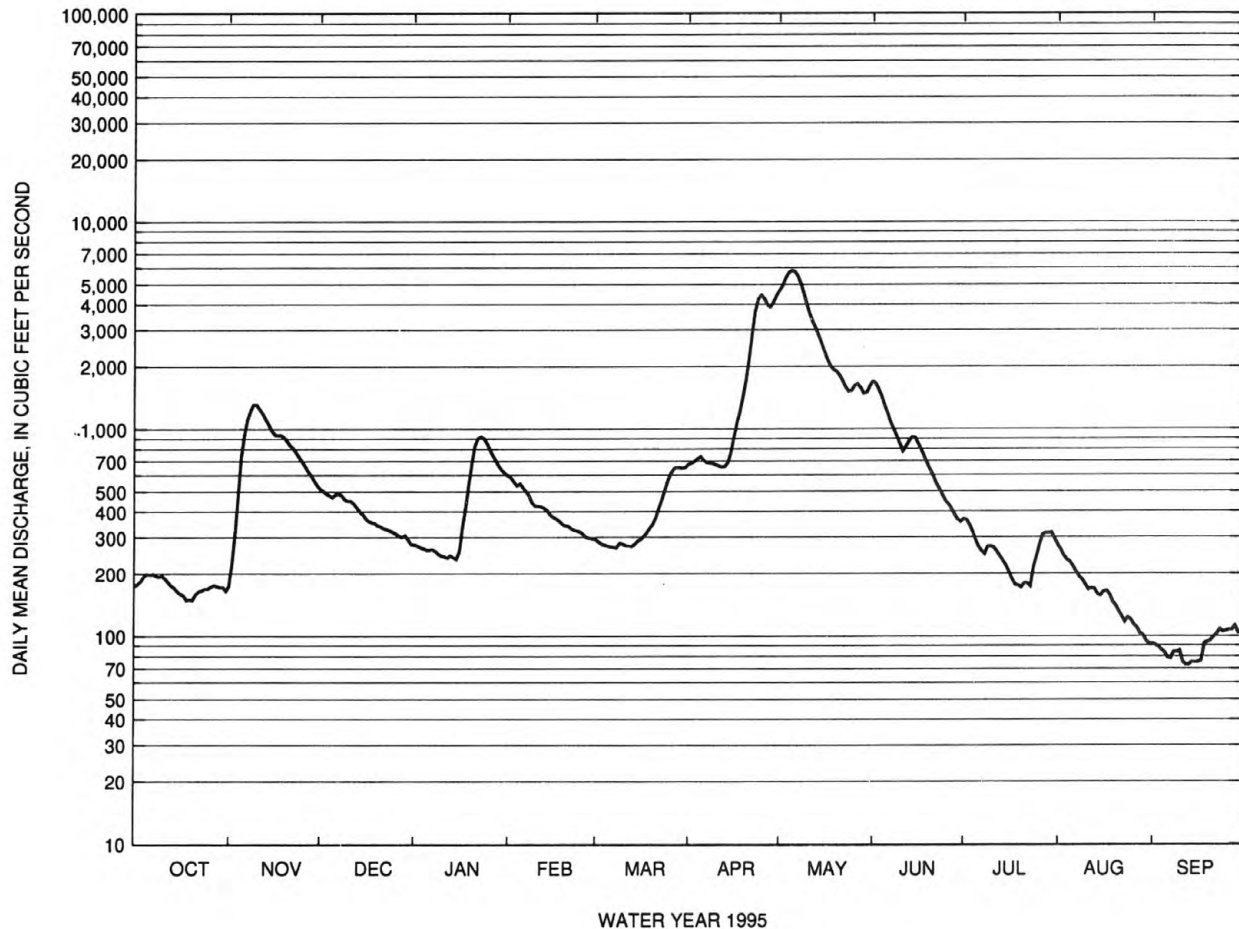
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	174	514	277	597	294	676	4650	1690	366	276	92
2	178	223	502	274	584	286	683	4930	1650	363	261	91
3	184	319	490	269	556	280	699	5360	1550	343	244	89
4	193	491	479	265	535	276	719	5690	1430	317	233	86
5	199	739	471	262	545	273	734	5790	1290	292	228	84
6	197	943	485	261	522	270	706	5760	1180	271	216	79
7	199	1120	490	263	502	269	688	5490	1070	258	204	78
8	195	1230	480	258	479	268	683	5040	993	249	193	84
9	193	1310	459	250	442	282	681	4510	918	271	187	84
10	195	1310	451	245	427	280	671	4020	843	271	177	85
11	189	1250	451	242	425	274	663	3590	779	268	168	75
12	182	1190	438	239	423	273	654	3280	823	256	170	73
13	175	1120	419	245	416	272	658	3050	873	244	169	73
14	171	1050	400	240	406	278	685	2810	915	231	159	75
15	164	984	387	236	386	288	765	2570	908	219	157	75
16	160	942	370	258	376	292	906	2350	849	203	164	75
17	157	936	358	334	368	303	1070	2150	793	188	165	76
18	149	938	353	415	360	314	1220	2010	733	177	158	92
19	150	915	351	535	348	331	1420	1930	681	175	146	94
20	149	876	341	677	341	346	1720	1890	634	172	140	95
21	159	836	338	821	339	372	2190	1810	591	180	131	99
22	164	810	331	902	331	412	2910	1710	544	180	124	102
23	166	771	327	919	324	454	3710	1590	514	174	117	108
24	169	732	323	902	322	505	4270	1520	481	215	123	105
25	169	697	318	861	318	562	4430	1530	450	243	120	106
26	173	663	312	799	309	611	4250	1610	432	277	113	107
27	176	624	305	746	300	642	3980	1640	413	308	110	107
28	174	596	301	703	297	653	3880	1580	386	313	103	112
29	172	565	306	662	---	651	4110	1480	365	313	101	104
30	172	535	293	633	---	647	4430	1490	356	315	95	104
31	165	---	279	610	---	653	---	1600	---	294	92	---
TOTAL	5412	24889	12122	14603	11578	11911	54861	94430	25134	7946	5044	2709
MEAN	175	830	391	471	413	384	1829	3046	838	256	163	90.3
MAX	199	1310	514	919	597	653	4430	5790	1690	366	276	112
MIN	149	174	279	236	297	268	654	1480	356	172	92	73
CFSM	.33	1.58	.75	.90	.79	.73	3.49	5.81	1.60	.49	.31	.17
IN.	.38	1.77	.86	1.04	.82	.85	3.89	6.70	1.78	.56	.36	.19

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	555	714	525	319	270	302	2142	3405	994	525	460	398
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	456	206	101	83.3
(WY)	1969	1979	1979	1990	1961	1962	1967	1987	1968	1991	1978	1978

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1952 - 1995	
ANNUAL TOTAL	338493		270639			
ANNUAL MEAN	927		741		887	
HIGHEST ANNUAL MEAN					1285	
LOWEST ANNUAL MEAN					485	
HIGHEST DAILY MEAN	6860		5790		14500	
LOWEST DAILY MEAN	142		73		60	
ANNUAL SEVEN-DAY MINIMUM	155		75		65	
INSTANTANEOUS PEAK FLOW			5790		15000	
INSTANTANEOUS PEAK STAGE			9.40		15.39	
ANNUAL RUNOFF (CFSM)	1.77		1.42		1.69	
ANNUAL RUNOFF (INCHES)	24.03		19.21		23.00	
10 PERCENT EXCEEDS	2690		1620		2110	
50 PERCENT EXCEEDS	329		348		426	
90 PERCENT EXCEEDS	169		115		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 mi².

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. 11 to Jan. 21 and Jan. 26 to Mar. 20, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,810 ft³/s, May 4, gage height, 7.74 ft; minimum discharge, 49 ft³/s, Sept. 28-30, gage height, 1.92 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	325	275	680	e398	e1480	e625	1020	6220	2360	562	319	89
2	311	443	673	e391	e1410	e610	1050	6480	2260	617	304	85
3	299	662	656	e385	e1370	e600	1070	6660	2220	545	294	80
4	291	676	651	e380	e1320	e590	1110	6770	2150	508	293	76
5	287	756	647	e375	e1270	e580	1130	6780	2070	477	274	73
6	277	848	747	e373	e1220	e570	1140	6690	1990	455	261	69
7	270	986	757	e370	e1180	e560	1140	6460	1920	435	249	71
8	264	1060	727	e367	e1130	e555	1140	6230	1780	441	239	78
9	260	1110	736	e363	e1090	e550	1150	5970	1700	504	229	73
10	256	1140	744	e361	e1050	e545	1140	5700	1620	459	220	69
11	239	1150	e731	e358	e1020	e542	1150	5420	1570	427	212	65
12	235	1170	e723	e352	e990	e550	1160	5160	1560	402	207	63
13	232	1170	e685	e347	e960	e590	1210	4910	1480	386	201	62
14	221	1170	e655	e345	e930	e640	1310	4620	1390	357	192	63
15	211	1150	e630	e343	e900	e640	1440	4350	1310	328	189	64
16	201	1120	e610	e360	e870	e642	1600	4060	1250	302	179	63
17	198	1100	e580	e430	e850	e638	1750	3830	1190	293	163	62
18	195	1070	e560	e570	e830	e630	1980	3820	1150	293	151	71
19	193	1040	e545	e690	e800	e627	2290	3720	1080	281	141	67
20	193	985	e530	e920	e775	e635	2810	3580	992	263	135	65
21	220	961	e525	e1190	e755	640	3370	3450	931	290	128	63
22	231	963	e520	1560	e735	686	4180	3340	885	291	116	62
23	242	918	e525	1630	e720	740	4860	3200	833	290	106	62
24	252	870	e508	1680	e700	779	5180	3130	790	501	116	59
25	253	843	e485	1710	e690	822	5380	3000	749	448	105	57
26	265	802	e470	e1720	e670	848	5400	2860	735	414	101	55
27	255	759	e455	e1710	e650	872	5500	2720	696	405	99	55
28	253	742	e445	e1690	e640	885	5670	2590	649	388	93	54
29	253	729	e435	e1670	---	904	5930	2500	614	383	90	50
30	249	694	e425	e1630	---	938	6040	2550	582	364	90	49
31	245	---	e406	e1550	---	979	---	2450	---	338	88	---
TOTAL	7676	27362	18466	26218	27005	21012	79300	139220	40506	12447	5584	1974
MEAN	248	912	596	846	964	678	2643	4491	1350	402	180	65.8
MAX	325	1170	757	1720	1480	979	6040	6780	2360	617	319	89
MIN	193	275	406	343	640	542	1020	2450	582	263	88	49
CFM	.28	1.04	.68	.97	1.10	.78	3.03	5.14	1.55	.46	.21	.08
IN.	.33	1.17	.79	1.12	1.15	.90	3.38	5.93	1.73	.53	.24	.08

e Estimated

01013500 FISH RIVER NEAR FORT KENT, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	780	1188	1059	616	482	550	3044	5131	1813	951	691	581
MAX	2776	4116	4688	1891	1597	3104	7495	8951	3696	3075	3571	2492
(WY)	1991	1964	1951	1958	1986	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

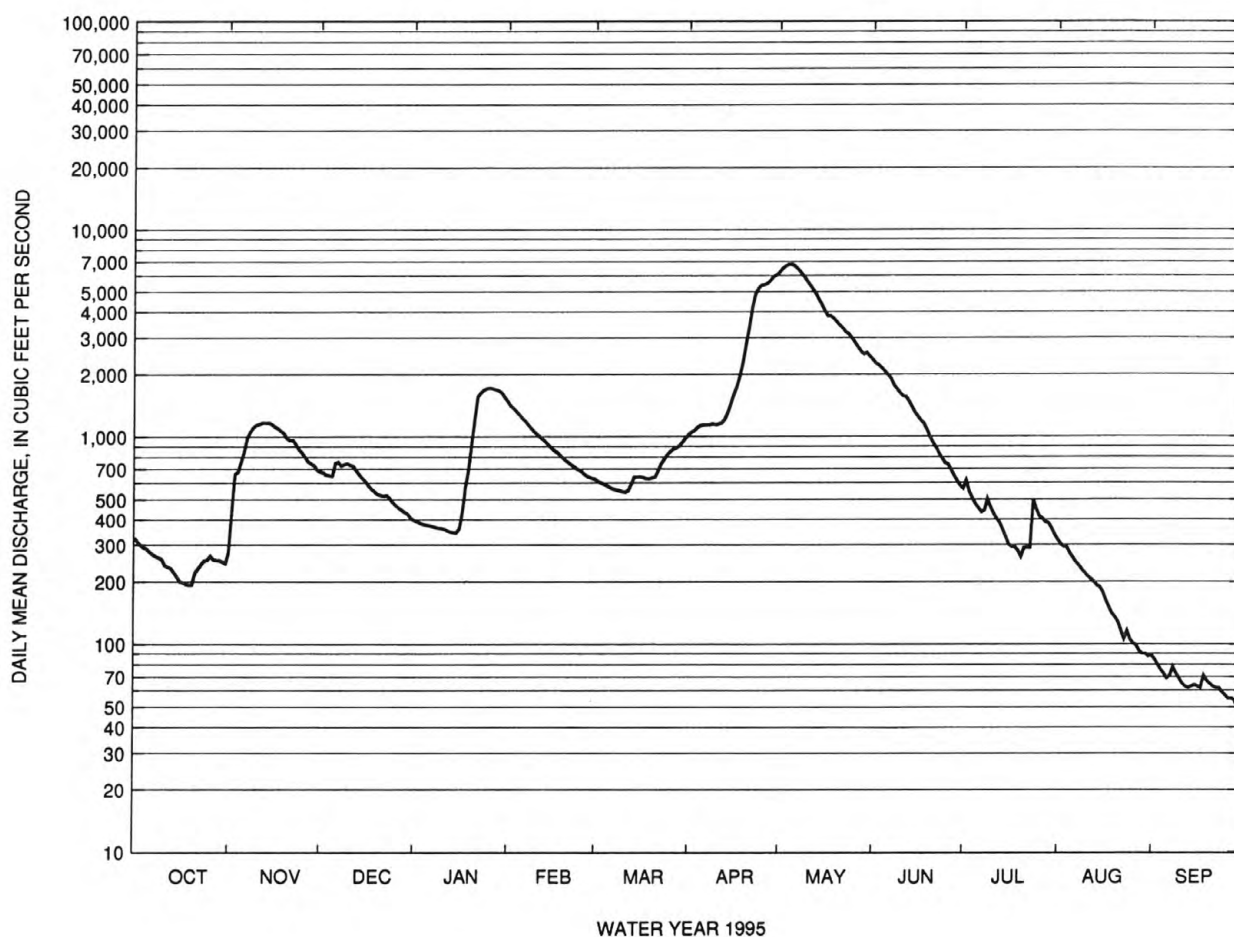
SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1903 - 1995

ANNUAL TOTAL	564227	406770	
ANNUAL MEAN	1546	1114	1416
HIGHEST ANNUAL MEAN			2175
LOWEST ANNUAL MEAN			773
			1973
			1965
HIGHEST DAILY MEAN	7990	May 10	6780
LOWEST DAILY MEAN	193	Oct 19	49
ANNUAL SEVEN-DAY MINIMUM	202	Oct 15	54
			May 5
			Sep 30
			Sep 24
INSTANTANEOUS PEAK FLOW			6810
INSTANTANEOUS PEAK STAGE			7.74
INSTANTANEOUS LOW FLOW			49
			May 4
			May 4
			Sep 28
			15800
			12.43
			34
			Apr 30 1973
			Apr 30 1973
			Aug 29 1968
ANNUAL RUNOFF (CFSM)	1.77	1.28	1.62
ANNUAL RUNOFF (INCHES)	24.04	17.33	22.04
10 PERCENT EXCEEDS	4430	2830	3560
50 PERCENT EXCEEDS	676	640	719
90 PERCENT EXCEEDS	271	103	220



01014000 ST. JOHN RIVER BELOW FISH RIVER, AT FORT KENT, ME
(International gaging station)

LOCATION.--Lat 47°15'27", long 68°35'35", Aroostook County, Hydrologic Unit 01010001, on right bank at Fort Kent and 0.2 mi downstream from Fish River.

DRAINAGE AREA.--5,665 mi², not including 249 mi² 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. Prior to Oct. 10, 1933, nonrecording gage on opposite bank at same datum.

REMARKS.--Records good except for periods of ice effect Nov. 23 to Dec. 5, Dec. 12 to Jan. 20, and Jan. 23 to Apr. 18, which are fair. Several observations of water temperature and specific conductance were made during the year. 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 ft³/s, Apr. 30, 1979, gage height, 27.31 ft; minimum daily discharge, 510 ft³/s, Mar. 13-15, 1948.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Apr. 23	1730	*52,500	*15.86	No other peak greater than base discharge.			

Minimum discharge, 647 ft³/s, Sept. 5-7, 13, and 14, gage height 0.76 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6330	2250	e3620	e2370	e7200	e2530	e12200	41800	16900	2270	3570	852
2	6360	3510	e3670	e2310	e6760	e2480	e14400	43100	15000	2560	3070	829
3	5300	14500	e3890	e2260	e6350	e2420	e14700	44300	13300	2690	2610	735
4	4440	27800	e3990	e2210	e5940	e2380	e13900	44000	12600	2450	2310	707
5	3830	24400	e4340	e2170	e5620	e2330	e11700	42000	13400	2250	2140	674
6	3380	20100	5380	e2150	e5360	e2290	e9520	39600	13200	2050	2080	647
7	3050	18100	6290	e2120	e5130	e2250	e9200	36300	12000	1920	2020	674
8	2780	17600	9320	e2090	e4900	e2230	e8900	32100	10700	1910	2080	746
9	2560	15900	10500	e2070	e4630	e2210	e8660	28400	9470	2400	1910	747
10	2410	14000	10200	e2040	e4420	e2430	e8410	25600	8340	3110	1650	757
11	2270	12400	9350	e2020	e4260	e2550	e8240	23400	7600	4980	1450	701
12	2140	11100	e7540	e1990	e4110	e2630	e8050	21900	8020	4510	1330	666
13	2010	10000	e6000	e1970	e3950	e2740	e8900	20900	9560	3550	1350	648
14	1940	9190	e5150	e1950	e3840	e2880	e11000	19900	9140	2920	1400	651
15	1830	8600	e4650	e2010	e3680	e3670	e14000	18700	7740	2490	1420	660
16	1720	8210	e4340	e2710	e3560	e4040	e19000	17300	6710	2120	1470	671
17	1640	7940	e4030	e5260	e3450	e4680	e19000	17900	6040	1830	1950	694
18	1580	7460	e3790	e12000	e3350	e6180	e18900	22900	5700	1640	1920	801
19	1530	7030	e3620	e23800	e3240	e8520	21100	26200	5420	1580	1950	917
20	1500	6650	e3450	e29500	e3150	e10500	27600	24400	5000	1570	1750	1100
21	1600	6430	e3310	21300	e3090	e11400	36100	20900	4680	1790	1470	1030
22	1860	6330	e3320	19800	e3000	e12200	44400	18200	4200	2690	1270	1090
23	2580	e6070	e3260	e17600	e2930	e14500	51400	16400	3780	2670	1120	1110
24	3170	e5790	e3120	e15400	e2850	e17900	49500	15400	3410	3700	1130	1090
25	3380	e4960	e2980	e13600	e2800	e19200	42800	15100	3150	6980	1120	1190
26	3280	e4580	e2910	e12200	e2720	e19100	37100	14700	3030	9240	1090	1250
27	3060	e4060	e2820	e10900	e2660	e17200	34200	13700	2850	7260	1050	1430
28	2830	e3750	e2710	e9890	e2600	e15400	34400	12500	2640	5790	966	1360
29	2610	e3670	e2640	e9090	---	e13300	38400	11900	2470	4640	968	1270
30	2420	e3880	e2550	e8360	---	e12300	41400	12900	2320	4060	920	1320
31	2280	---	e2460	e7750	---	e11700	---	15900	---	3640	863	---
TOTAL	87670	296260	145200	250890	115550	236140	677080	758300	228370	103260	51397	27017
MEAN	2828	9875	4684	8093	4127	7617	22570	24460	7612	3331	1658	901
MAX	6360	27800	10500	29500	7200	19200	51400	44300	16900	9240	3570	1430
MIN	1500	2250	2460	1950	2600	2210	8050	11900	2320	1570	863	647
CFSM	.50	1.74	.83	1.43	.73	1.34	3.98	4.32	1.34	.59	.29	.16
IN.	.58	1.95	.95	1.65	.76	1.55	4.45	4.98	1.50	.68	.34	.18

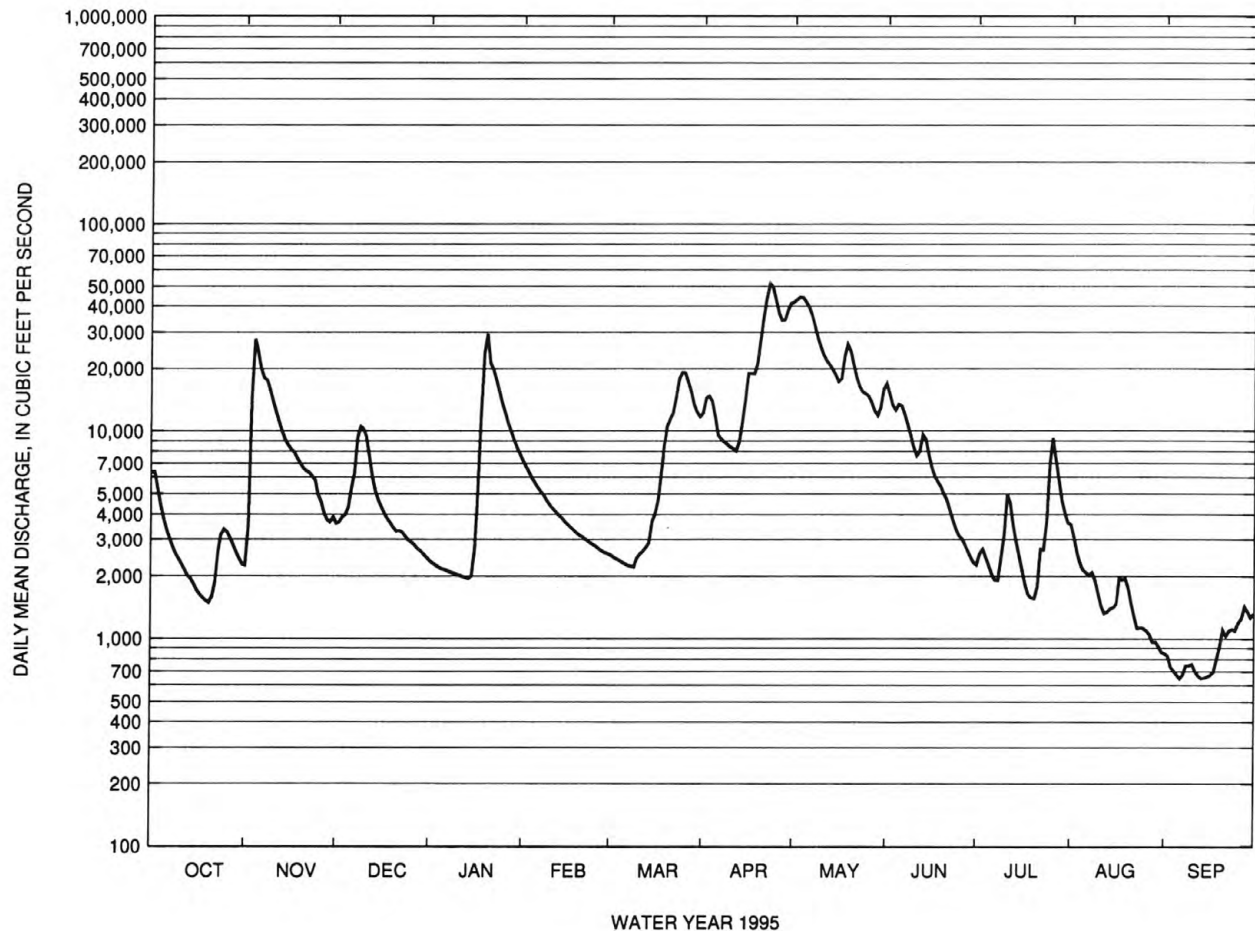
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6785	8575	5721	3245	2442	3387	24530	34170	10820	6302	5273	4802
MAX	19840	24220	22900	8093	8610	23590	49210	68160	21800	17250	24640	14700
(WY)	1991	1928	1951	1995	1981	1936	1983	1974	1947	1984	1981	1954
MIN	1116	1367	1232	871	562	669	3298	6464	3616	2077	910	901
(WY)	1969	1948	1956	1948	1948	1944	1944	1987	1968	1991	1968	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1927 - 1995	
ANNUAL TOTAL	4073890		2977134			
ANNUAL MEAN	11160		8157		9698	
HIGHEST ANNUAL MEAN					14100	
LOWEST ANNUAL MEAN					5667	
					1928	
HIGHEST DAILY MEAN	107000		51400		146000	
LOWEST DAILY MEAN	1500		647		510	
ANNUAL SEVEN-DAY MINIMUM	1630		670		513	
					Mar 9 1948	
INSTANTANEOUS PEAK FLOW			52500		151000	
INSTANTANEOUS PEAK STAGE			15.86		27.31	
INSTANTANEOUS LOW FLOW			647			
					Apr 30 1979	
ANNUAL RUNOFF (CFSM)	1.97		1.44		1.71	
ANNUAL RUNOFF (INCHES)	26.75		19.55		23.26	
10 PERCENT EXCEEDS	28200		19800		22900	
50 PERCENT EXCEEDS	3900		3790		4600	
90 PERCENT EXCEEDS	2270		1270		1500	



LOCATION.--Lat 47°06'34", long 67°53'27", Aroostook County, Hydrologic Unit 01010001, on right bank approximately 5.5 mi upstream from Hamlin, and 3.1 mi downstream from Hammond Brook, and 4.2 mi downstream from the International Bridge at Van Buren.

PERIOD OF RECORD. - - August 1989 to September 1995 (discontinued).

SPECIFIC CONDUCTANCE: Seasonal records August 1989 to September 1995.

pH: Seasonal records August 1989 to September 1994.

WATER TEMPERATURE: Seasonal records August 1989 to September 1995.

DISSOLVED OXYGEN: Seasonal records August 1989 to September 1995.

INSTRUMENTATION. -- Water-quality monitor since August 1989. Continuous flow-through system. Submersible pump located 50 ft streamward from right bank, and 1.5 ft above river bed.

REMARKS.--Monitor not operated during period October to May. Interruptions in the record were due to malfunctions of the monitor.

SPECIFIC CONDUCTANCE: Maximum, 164 $\mu\text{S}/\text{cm}$, Sept.11-12, 1995; minimum, 42 $\mu\text{S}/\text{cm}$, Aug. 16-17, 1990.

pH: Maximum, 8.0 units, July 4, 1991; minimum, 6.7 units, Aug. 16-18, 1990.

WATER TEMPERATURE: Maximum, 27.5°C, July 29-31, 1990; minimum, 9.0°C, June 2, 1993.

DISSOLVED OXYGEN: Maximum, 15.9 mg/L, Aug. 18, 1995; minimum, 5.8 mg/L, Aug. 30, 1990.

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	77	71	73	120	115	118	96	92	94	150	138	143
2	77	72	73	122	118	120	100	96	98	160	150	155
3	78	74	76	124	117	122	102	99	100	161	158	159
4	80	77	78	---	---	---	103	102	103	160	155	157
5	80	79	79	---	---	---	105	103	104	157	148	152
6	79	78	79	---	---	---	107	105	106	149	148	148
7	78	76	77	119	117	117	110	107	109	152	149	150
8	79	75	76	122	119	120	114	110	112	160	152	156
9	79	77	78	126	122	124	117	114	116	159	157	158
10	82	77	80	132	126	129	119	117	118	157	156	156
11	85	82	84	133	130	131	120	118	119	164	157	160
12	90	85	88	130	122	125	124	120	123	164	143	157
13	90	87	89	122	108	115	124	124	124	143	125	135
14	87	81	85	108	107	107	125	124	124	---	---	---
15	82	80	81	108	107	108	127	124	126	---	---	---
16	84	80	82	108	105	107	131	127	129	122	121	121
17	87	84	86	113	105	107	135	131	133	121	120	120
18	89	87	88	116	113	115	139	135	137	122	119	120
19	92	89	90	120	116	118	140	138	139	130	122	125
20	98	91	96	123	119	121	138	137	138	144	130	139
21	101	95	97	128	123	125	138	134	137	153	144	149
22	103	100	102	131	128	129	135	131	132	152	147	150
23	104	103	103	132	131	131	131	129	129	147	134	138
24	107	103	105	132	130	131	129	128	129	144	134	137
25	109	104	107	132	112	123	130	129	129	154	139	149
26	116	107	112	115	106	112	134	130	132	155	153	154
27	115	106	112	106	87	94	135	133	134	153	150	152
28	112	108	111	90	87	89	140	134	136	152	150	151
29	115	109	113	88	85	86	142	139	140	154	152	153
30	117	114	116	88	86	86	142	141	142	154	153	154
31	---	---	---	93	88	90	141	138	140	---	---	---
MONTH PERIOD	117 164	71 71	91 118	133	85	114	142	92	124	164	119	146

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	14.5	12.5	13.5	24.5	23.5	24.0	24.5	22.5	23.5	18.5	18.0	18.5
2	16.5	14.5	15.5	24.5	23.5	23.5	25.0	23.5	24.0	19.0	18.0	18.5
3	16.5	16.5	16.5	23.5	23.0	23.5	24.0	23.5	24.0	19.5	18.0	18.5
4	16.5	16.0	16.5	---	---	---	24.0	23.5	23.5	18.5	18.0	18.0
5	16.0	15.5	16.0	---	---	---	23.5	23.0	23.0	18.5	18.0	18.0
6	15.5	14.5	15.0	---	---	---	23.5	22.5	23.0	18.5	18.0	18.0
7	15.5	14.5	15.0	25.5	24.0	24.5	23.0	22.5	22.5	18.0	17.0	17.5
8	16.5	15.5	16.0	25.0	24.5	25.0	24.5	22.5	23.0	18.0	16.5	17.0
9	17.0	16.0	16.5	25.0	24.5	25.0	24.0	22.5	23.5	17.0	16.5	16.5
10	17.0	16.0	16.5	25.0	24.5	24.5	25.5	23.0	23.5	16.5	16.0	16.0
11	17.0	16.0	16.5	24.5	23.0	24.0	25.0	23.5	24.0	16.0	15.5	15.5
12	16.0	15.0	15.5	23.5	22.5	23.0	25.5	24.0	24.5	16.0	15.0	15.5
13	15.5	15.0	15.0	22.5	22.5	22.5	24.0	23.5	23.5	15.5	15.0	15.5
14	17.5	15.5	16.5	23.5	22.5	22.5	23.5	23.0	23.5	---	---	---
15	17.5	17.0	17.5	23.5	22.5	23.0	23.5	22.5	23.0	---	---	---
16	17.5	17.0	17.0	23.0	22.0	22.5	23.5	22.5	23.0	14.5	14.5	14.5
17	17.5	17.0	17.0	23.0	22.5	22.5	23.0	22.5	22.5	14.5	14.0	14.5
18	19.5	17.0	18.0	22.5	21.5	22.0	23.0	22.0	22.5	14.5	14.0	14.5
19	20.0	18.0	19.0	22.0	21.5	21.5	22.5	22.0	22.0	14.5	14.0	14.0
20	20.5	20.0	20.0	22.0	21.0	21.5	23.0	22.0	22.0	14.5	14.0	14.0
21	20.5	19.5	20.0	22.0	21.0	21.5	23.0	22.0	22.5	14.5	14.0	14.0
22	20.5	19.5	20.0	22.0	21.0	21.5	23.0	21.5	22.0	14.5	14.0	14.0
23	21.0	19.5	20.0	22.5	21.5	22.0	22.0	21.0	21.5	14.5	14.0	14.5
24	22.0	20.0	21.0	23.5	22.0	22.5	21.5	20.5	21.0	14.0	13.5	14.0
25	23.0	21.0	22.0	23.5	22.5	22.5	20.5	20.0	20.0	14.0	14.0	14.0
26	24.0	22.5	23.0	23.5	22.5	23.0	20.0	19.5	19.5	14.0	13.5	14.0
27	26.0	23.0	23.5	24.5	23.5	24.0	19.5	19.0	19.5	13.5	13.5	13.5
28	24.0	22.5	23.5	24.0	23.5	23.5	20.0	18.5	19.0	13.5	12.5	13.0
29	24.0	22.5	23.5	23.5	23.5	23.5	19.0	18.5	18.5	12.5	12.5	12.5
30	25.0	23.0	24.0	23.5	23.0	23.0	18.5	18.5	18.5	12.5	12.0	12.5
31	---	---	---	24.0	22.5	23.0	18.5	18.0	18.5	---	---	---
MONTH PERIOD	26.0 26.0	12.5 12.0	18.3 19.7	25.5	21.0	23.0	25.5	18.0	22.1	19.5	12.0	15.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN			
	JUNE				JULY				AUGUST				SEPTEMBER		
1	10.8	10.3	10.6	9.0	8.2	8.5	7.5	6.7	7.0	9.1	8.2	8.7			
2	10.4	9.7	10.1	9.1	8.0	8.4	7.5	7.0	7.3	8.3	7.7	8.1			
3	9.8	9.4	9.7	9.1	7.8	8.4	7.4	6.9	7.1	8.9	7.8	8.1			
4	9.8	9.4	9.6	---	---	---	7.3	6.7	6.9	8.6	7.6	8.2			
5	9.9	9.6	9.7	---	---	---	7.3	6.6	6.9	8.8	7.7	8.3			
6	9.9	9.5	9.7	---	---	---	7.2	6.2	6.6	9.3	8.4	8.7			
7	10.1	9.8	9.9	---	---	---	7.1	6.1	6.7	8.6	7.6	8.1			
8	9.9	9.5	9.8	---	---	---	8.3	6.4	7.3	8.7	7.8	8.2			
9	9.5	9.3	9.4	---	---	---	8.5	7.0	7.7	8.9	8.4	8.6			
10	9.6	9.2	9.4	---	---	---	10.9	6.3	8.8	9.1	8.5	8.8			
11	9.5	9.2	9.4	6.9	6.0	6.4	9.7	8.5	9.0	9.4	9.0	9.2			
12	9.3	9.0	9.2	7.5	6.3	7.0	9.7	7.9	8.7	10.2	9.0	9.5			
13	9.5	9.1	9.3	7.6	7.0	7.3	8.7	8.1	8.4	11.1	9.8	10.5			
14	9.5	9.1	9.4	7.9	7.2	7.5	9.0	8.2	8.6	---	---	---			
15	9.2	8.8	9.0	7.7	7.1	7.3	9.4	8.4	8.9	---	---	---			
16	9.0	8.7	8.8	8.1	6.8	7.4	9.6	8.7	9.1	11.1	10.4	10.7			
17	9.0	8.7	8.9	7.9	7.2	7.4	9.6	8.9	9.3	11.1	10.7	10.9			
18	9.0	8.7	8.8	7.3	7.0	7.2	15.9	9.4	12.4	10.9	8.3	10.7			
19	8.8	8.5	8.6	7.5	6.8	7.1	14.9	12.2	13.2	11.1	10.5	10.8			
20	8.6	8.1	8.3	7.6	6.9	7.1	12.7	8.4	10.0	11.0	10.4	10.6			
21	8.7	8.1	8.4	7.7	6.9	7.2	8.4	6.4	7.2	10.6	9.6	10.1			
22	8.7	8.2	8.4	7.6	6.9	7.2	7.8	6.7	7.2	10.0	9.4	9.7			
23	8.9	8.3	8.6	7.6	6.9	7.3	7.1	6.5	6.8	10.5	9.8	10.1			
24	8.9	8.4	8.7	8.0	7.2	7.6	6.7	6.2	6.4	10.4	9.0	9.8			
25	9.1	8.3	8.7	8.2	7.3	7.6	7.4	6.2	6.8	10.0	8.1	8.7			
26	8.5	7.9	8.3	7.5	7.0	7.3	7.4	7.1	7.2	8.4	8.0	8.1			
27	8.7	7.8	8.2	7.3	6.9	7.1	7.8	7.2	7.5	8.5	8.1	8.3			
28	9.3	7.9	8.6	7.3	6.8	7.1	8.6	7.7	8.2	9.3	8.4	8.8			
29	9.6	8.2	8.8	7.4	7.1	7.2	8.5	8.0	8.3	9.5	9.1	9.3			
30	9.5	8.3	8.8	7.2	7.0	7.1	8.8	8.4	8.6	10.0	9.3	9.5			
31	---	---	---	7.3	6.8	7.0	9.1	8.6	8.8	---	---	---			
MONTH PERIOD	10.8 15.9	7.8 6.0	9.1 8.5	9.1	6.0	7.4	15.9	6.1	8.2	11.1	7.6	9.3			

01015010 ST. JOHN RIVER NEAR HAMLIN, ME--Continued

CROSS SECTION OF OXYGEN DISSOLVED (DO), MG/L, AND WATER TEMPERATURE (WT), DEG C
AND SPECIFIC CONDUCTANCE (SC), US/CM, AT 25 DEG C
(LOOKING DOWNSTREAM)

JULY 10, 1995

LEFT BANK		WIDTH IN FEET														RIGHT BANK	
1640 hrs																1530 hrs	
800	750	700	650	600	550	500	450	400	350	300	250	200	150	100	50	0	0
D E P T H	0	7.7	7.4	7.4	7.5	7.6	7.7	7.8	7.8	7.8	7.7	7.6	7.6	7.7	7.7	7.7	0
		25.1	24.9	24.9	24.9	25.0	25.0	25.1	25.1	25.2	25.2	25.1	25.1	25.2	25.1	25.1	
		130	129	130	130	129	129	129	129	129	129	129	129	129	129	129	
	5	7.5	7.4	7.4	7.3	7.2	7.1	7.2	7.3	7.3	7.6	7.7	7.5	7.6	7.7	7.7	5
		24.8	24.8	24.8	24.8	24.8	24.7	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	25.0	
D E P T H	10	6.5	6.7	6.8	7.0	6.9	7.0	7.0	7.0	7.2	7.0	7.6	7.3	7.4	7.5	7.6	10
		24.4	24.4	24.5	24.5	24.5	24.5	24.6	24.6	24.6	24.7	24.8	24.8	24.9	24.9	25.0	
		129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	
	15	6.5	6.5	6.5	6.6	6.7	6.8	6.8	6.8	7.1	7.0	7.2	7.2	7.3	24.9	7.5	15
		129	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.6	24.7	24.7	24.8	24.9	129	129	
D E P T H		129	129	129	129	129	129	129	129	129	129	129	129	129			

MONITORING POINT

DAILY MEAN DISCHARGE

RECORDED HOURLY VALUES

CROSS SECTION VALUES

RECORDED DAILY VALUES

3,344 ft³/s

	1500	1600	1700
DO	6.7	6.7	6.3
WT	24.8	24.8	24.6
SC	129	129	129

	Max	Min	Mean
DO	7.8	6.5	7.3
WT	25.2	24.4	24.8
SC	130	129	129

	Max	Min	Mean
DO	7.1	6.3	---
WT	24.8	24.3	24.5
SC	132	126	129



Flood of March 1936
Austin Stream at Bingham, Maine



Flood of March 1936
Austin Stream at Bingham, Maine

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 mi².

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. 23 to Apr. 15, which is fair. Some regulation by Millinocket Lake, capacity 1,110,000,000 ft³, used for power. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,900 ft³/s, Apr. 23, gage height, 11.00 ft, minimum discharge 44 ft³/s, Sept. 21, 22, 26, and 27, gage height 2.40 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	486	233	e349	e414	e1430	e435	e1920	5080	1480	182	142	82
2	446	686	e337	e405	e1320	e415	e1940	4900	1290	185	126	80
3	371	1950	e348	e395	e1230	e400	e1940	4750	1220	183	115	78
4	318	2450	e375	e385	e1170	e396	e1890	4570	1550	169	127	72
5	270	2130	e395	e375	e1060	e395	e1720	4300	1620	155	137	74
6	233	1730	e440	e370	e1000	e396	e1600	4010	1480	144	131	80
7	207	1640	e650	e360	e940	e395	e1670	3920	1320	138	117	77
8	188	1720	e1330	e352	e885	e400	e1640	3820	1160	136	109	79
9	176	1520	e1270	e347	e835	e480	e1570	3780	1010	131	101	80
10	168	1300	e1240	e342	e800	e570	e1570	3480	866	130	96	76
11	154	1120	e1170	e337	e765	e670	e1830	3060	765	124	91	71
12	147	976	e1020	e325	e735	e735	e2100	2670	739	119	96	68
13	139	859	e920	e315	e710	e790	e2540	2590	772	114	121	65
14	130	773	e790	e310	e685	e825	e2930	2570	744	113	138	65
15	127	717	e720	e330	e670	e880	e3390	2350	671	109	131	59
16	120	673	e690	e500	e650	e915	3810	2110	611	103	131	54
17	116	620	e670	e680	e610	e980	4000	2050	556	101	134	52
18	115	569	e645	e1950	e615	e1080	4260	2460	511	118	121	50
19	110	542	e625	e3300	e635	e1020	4780	2990	469	140	109	48
20	107	527	e600	e3850	e645	e1100	5470	2810	430	138	101	47
21	119	482	e585	e3750	e590	e1330	6250	2430	379	132	94	45
22	148	465	e565	e3600	e535	e1540	7000	2370	335	130	89	44
23	206	e440	e540	e3400	e515	e1740	7800	2500	302	126	84	52
24	267	e385	e515	e3180	e525	e1890	7270	2310	274	117	94	52
25	288	e350	e540	e2910	e540	e1990	6310	2100	250	113	102	50
26	281	e308	e540	e2650	e530	e2000	5580	1880	230	119	100	45
27	260	e285	e520	e2320	e505	e1840	5130	1680	214	154	92	47
28	241	e278	e485	e2040	e465	e1750	4980	1620	198	198	84	51
29	223	e320	e458	e1860	---	e1730	5090	1540	193	197	81	52
30	209	e348	e437	e1700	---	e1780	5240	1580	188	181	83	51
31	195	---	e425	e1560	---	e1860	---	1600	---	163	81	---
TOTAL	6565	26396	20194	44612	21595	32727	113220	89880	21827	4362	3358	1846
MEAN	212	880	651	1439	771	1056	3774	2899	728	141	108	61.5
MAX	486	2450	1330	3850	1430	2000	7800	5080	1620	198	142	82
MIN	107	233	337	310	465	395	1570	1540	188	101	81	44
CFSM	.24	.99	.73	1.61	.86	1.18	4.23	3.25	.82	.16	.12	.07
IN.	.27	1.10	.84	1.86	.90	1.36	4.72	3.75	.91	.18	.14	.08

e Estimated

01015800 AROOSTOOK RIVER NEAR MASARDIS, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1082	1435	1057	600	591	729	4360	4536	1346	651	628	657
MAX	4451	5212	2823	1439	1865	3749	10380	11250	3591	2089	2380	2730
(WY)	1982	1964	1958	1995	1979	1979	1976	1961	1984	1962	1981	1967
MIN	201	369	370	257	206	198	1055	1061	301	77.5	79.5	61.5
(WY)	1969	1979	1979	1982	1972	1993	1967	1987	1988	1991	1968	1995

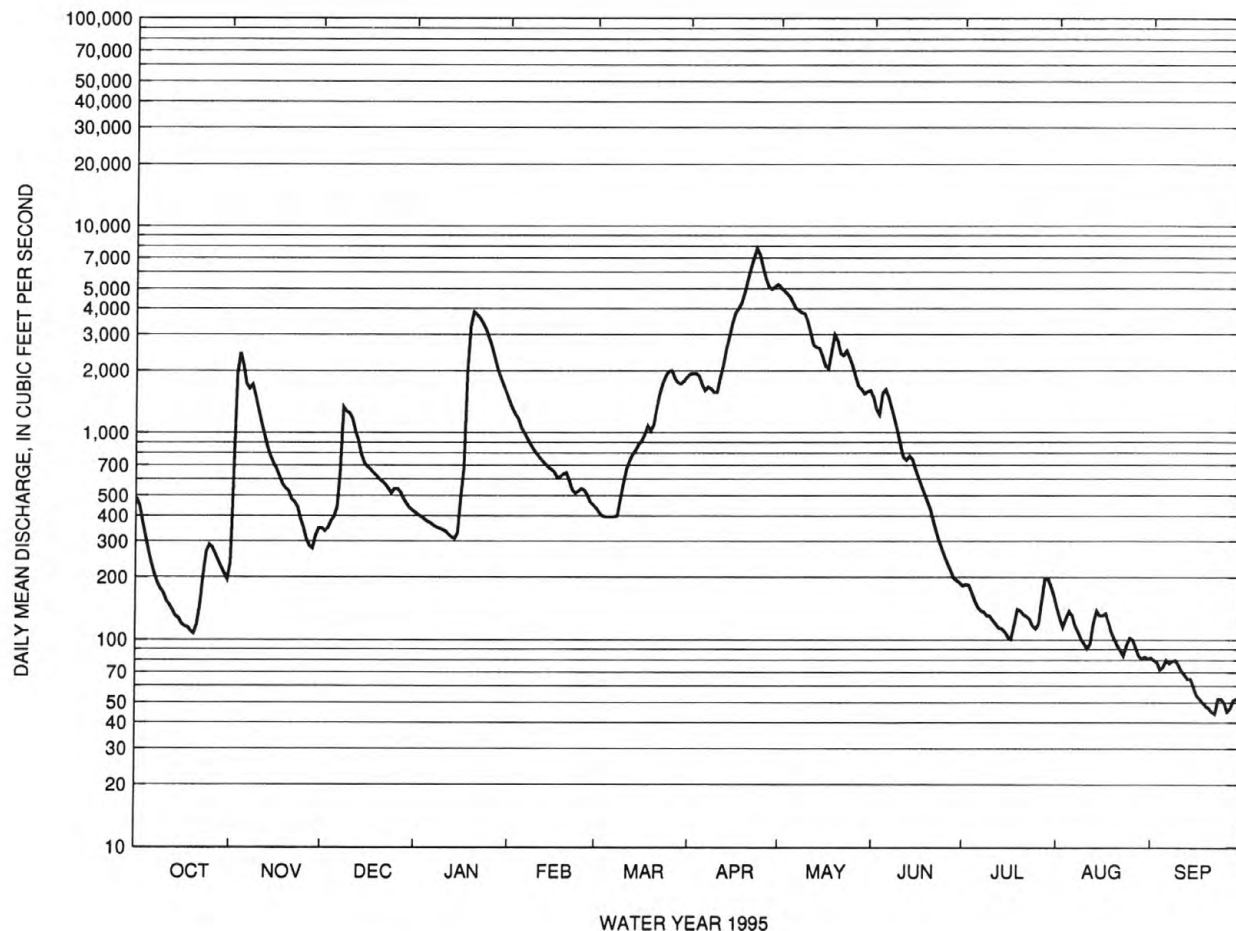
SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1957 - 1995

ANNUAL TOTAL	530899	386582	
ANNUAL MEAN	1455	1059	1474
HIGHEST ANNUAL MEAN			2133
LOWEST ANNUAL MEAN			818
HIGHEST DAILY MEAN	18700	Apr 18	7800
LOWEST DAILY MEAN	96	Sep 4	44
ANNUAL SEVEN-DAY MINIMUM	107	Aug 31	48
INSTANTANEOUS PEAK FLOW			7900
INSTANTANEOUS PEAK STAGE			11.00
INSTANTANEOUS LOW FLOW			44
ANNUAL RUNOFF (CFSM)	1.63	1.19	1.65
ANNUAL RUNOFF (INCHES)	22.14	16.12	22.45
10 PERCENT EXCEEDS	3540	2850	3640
50 PERCENT EXCEEDS	500	505	650
90 PERCENT EXCEEDS	148	90	220



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 mi².

PERIOD OF RECORD.--Discharge: August 1930 to current year.
Chemical analyses: Water years 1952-53.

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

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 fair, including period of doubtful gage-height record, Oct. 1-14 and period of ice effect, Nov. 23 to Apr. 20. Considerable regulation by Squa Pan Lake, capacity 2,893,000,000 ft³, used for power. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15,000 ft³/s, Apr. 23, gage height, 8.23 ft; maximum gage height, 9.31 ft, Jan. 22 (backwater from ice); minimum daily discharge, 86 ft³/s, Sept. 21 and 24.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e940	531	e740	e890	e2610	e1030	e3150	8990	2690	329	239	130
2	e855	1300	e705	e865	e2430	e930	e3240	8810	2400	331	205	124
3	e770	2950	e730	e930	e2250	e880	e3250	8590	2250	322	187	118
4	e680	4080	e775	e1080	e2130	e950	e3170	8260	2570	310	199	115
5	e595	4110	e830	e1070	e1960	e940	e2960	7810	2750	290	204	113
6	e535	3600	e910	e1060	e1920	e925	e2770	7320	2580	271	202	116
7	e475	3390	e1170	e790	e1820	e1010	e2870	6980	2370	254	194	126
8	e425	3430	e2730	e750	e1730	e1000	e2830	6700	2080	244	170	141
9	e390	3170	e2630	e1070	e1670	e1040	e2720	6480	1830	240	154	134
10	e365	2800	e2580	e1090	e1610	e1150	e2740	6040	1590	237	142	125
11	e347	2440	e2350	e1100	e1560	e1260	e3180	5440	1390	230	134	119
12	e328	2080	e2220	e1130	e1500	e1300	e3550	4870	1290	218	139	114
13	e310	1850	e2000	e1020	e1300	e1380	e4100	4600	1310	211	153	112
14	e295	1680	e1840	e670	e1350	e1490	e5080	4530	1230	194	161	113
15	284	1550	e1600	e690	e1400	e1540	e5700	4230	1040	180	203	110
16	274	1450	e1470	e1050	e1360	e1560	e6300	3810	936	172	206	106
17	267	1350	e1410	e1600	e1330	e1670	e6880	3580	871	169	188	101
18	261	1250	e1340	e3950	e1310	e1730	e7400	4100	819	181	181	97
19	255	1170	e1360	e6100	e1310	e1580	e7480	5000	770	207	170	90
20	250	1110	e1280	e7400	e1350	e1600	e9280	4930	704	229	154	89
21	281	1060	e1240	e7000	e1330	e1940	10700	4420	649	265	141	86
22	349	1020	e1190	e6380	e1260	e2240	12700	4210	596	238	128	87
23	459	e931	e1150	e5900	e1170	e2550	14300	4350	542	218	121	90
24	555	e810	e1090	e5600	e1220	e2800	13200	4150	496	220	144	86
25	609	e755	e1130	e5000	e1190	e3000	11400	3820	454	209	140	89
26	610	e690	e1150	e4450	e1160	e3060	9860	3430	418	226	147	90
27	577	e610	e1100	e3950	e1150	e3000	9030	3030	390	256	151	94
28	542	e630	e1030	e3430	e1090	e2960	8790	2790	370	225	141	94
29	506	e670	e975	e2800	---	e2930	8930	2680	344	279	132	89
30	473	e725	e1000	e2940	---	e2900	9160	2790	330	285	124	90
31	444	---	e930	e2800	---	e3060	---	2880	---	263	118	---
TOTAL	14306	53192	42655	84555	43470	55405	196720	159620	38059	7503	5072	3188
MEAN	461	1773	1376	2728	1552	1787	6557	5149	1269	242	164	106
MAX	940	4110	2730	7400	2610	3060	14300	8990	2750	331	239	141
MIN	250	531	705	670	1090	880	2720	2680	330	169	118	86

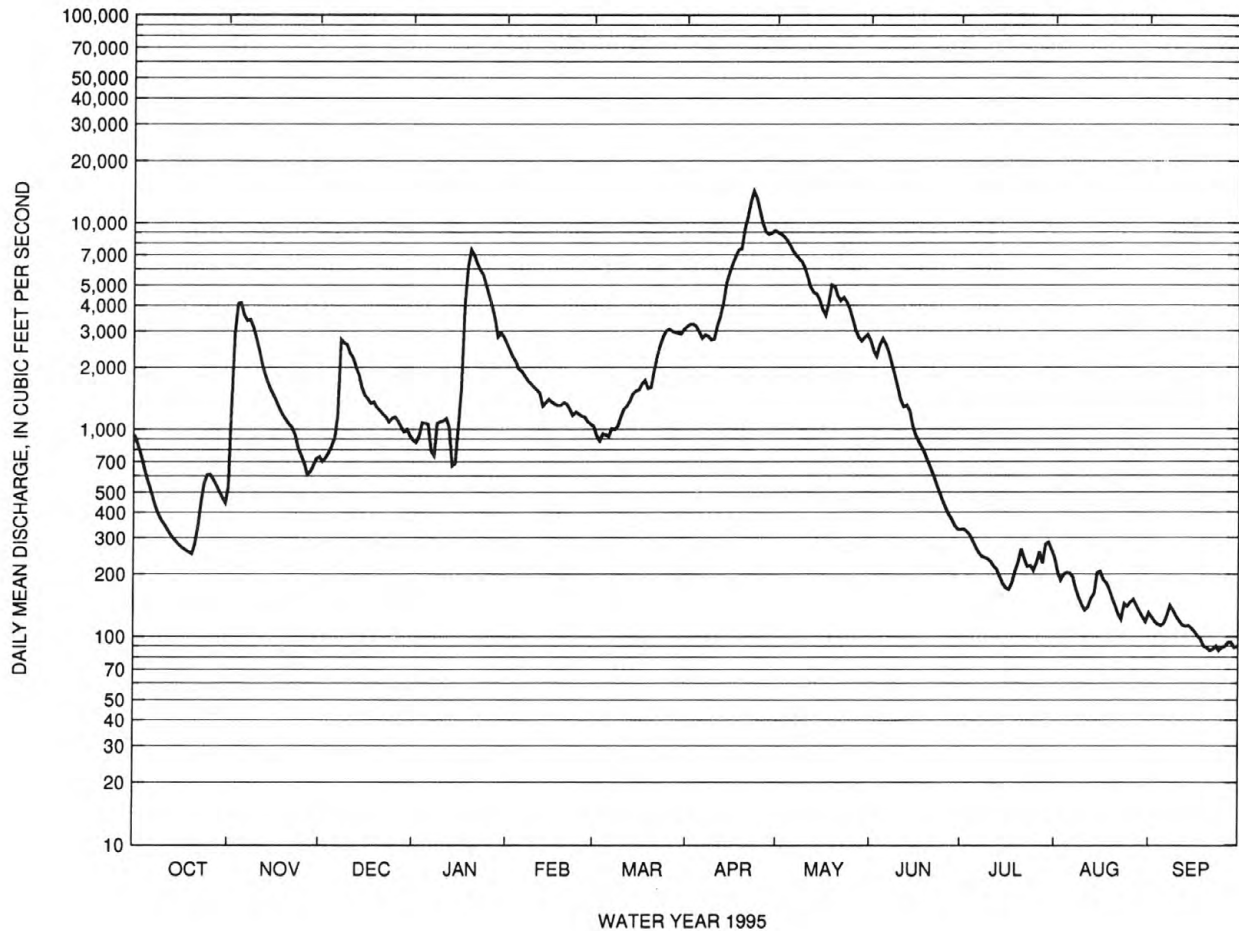
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01017000 AROOSTOOK RIVER AT WASHBURN, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1797	2532	1875	1064	1018	1393	8048	8019	2535	1347	1046	1105
MAX	8098	9767	7975	2728	3684	10440	16990	20350	6928	5882	5728	5235
(WY)	1982	1964	1951	1995	1979	1936	1976	1961	1984	1954	1981	1954
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

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1930 - 1995	
ANNUAL TOTAL	964144		703745			
ANNUAL MEAN	2641		1928		2652	
HIGHEST ANNUAL MEAN					4145	
LOWEST ANNUAL MEAN					1409	
HIGHEST DAILY MEAN	33800		14300		42500	
LOWEST DAILY MEAN	185		86		75	
ANNUAL SEVEN-DAY MINIMUM	214		88		78	
INSTANTANEOUS PEAK FLOW			15000		43400	
INSTANTANEOUS PEAK STAGE			9.31		20.91	
10 PERCENT EXCEEDS	6150		4960		6800	
50 PERCENT EXCEEDS	996		1090		1170	
90 PERCENT EXCEEDS	290		140		390	



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 mi².

PERIOD OF RECORD.--Discharge: October 1928 to current year.
Chemical analyses: Water year 1955.

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

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

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Chiputneticook Lakes, combined usable capacity, about 13,200,000,000 ft³. Final regulation is at Spednik Lake Dam, 400 ft upstream. Several observations of water temperature and specific conductance were made during the year. 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 ft³/s, June 3, 1984, gage height, 11.28 ft; minimum daily discharge, 1.9 ft³/s, Oct. 12, 22 and Nov. 4, 1936, when flow was held back by cofferdam during repairs to dam just upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,110 ft³/s, Dec. 30, caused by unusual regulation, gage height, 5.93 ft; minimum daily discharge, 210 ft³/s, Nov. 30, Dec. 2-4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

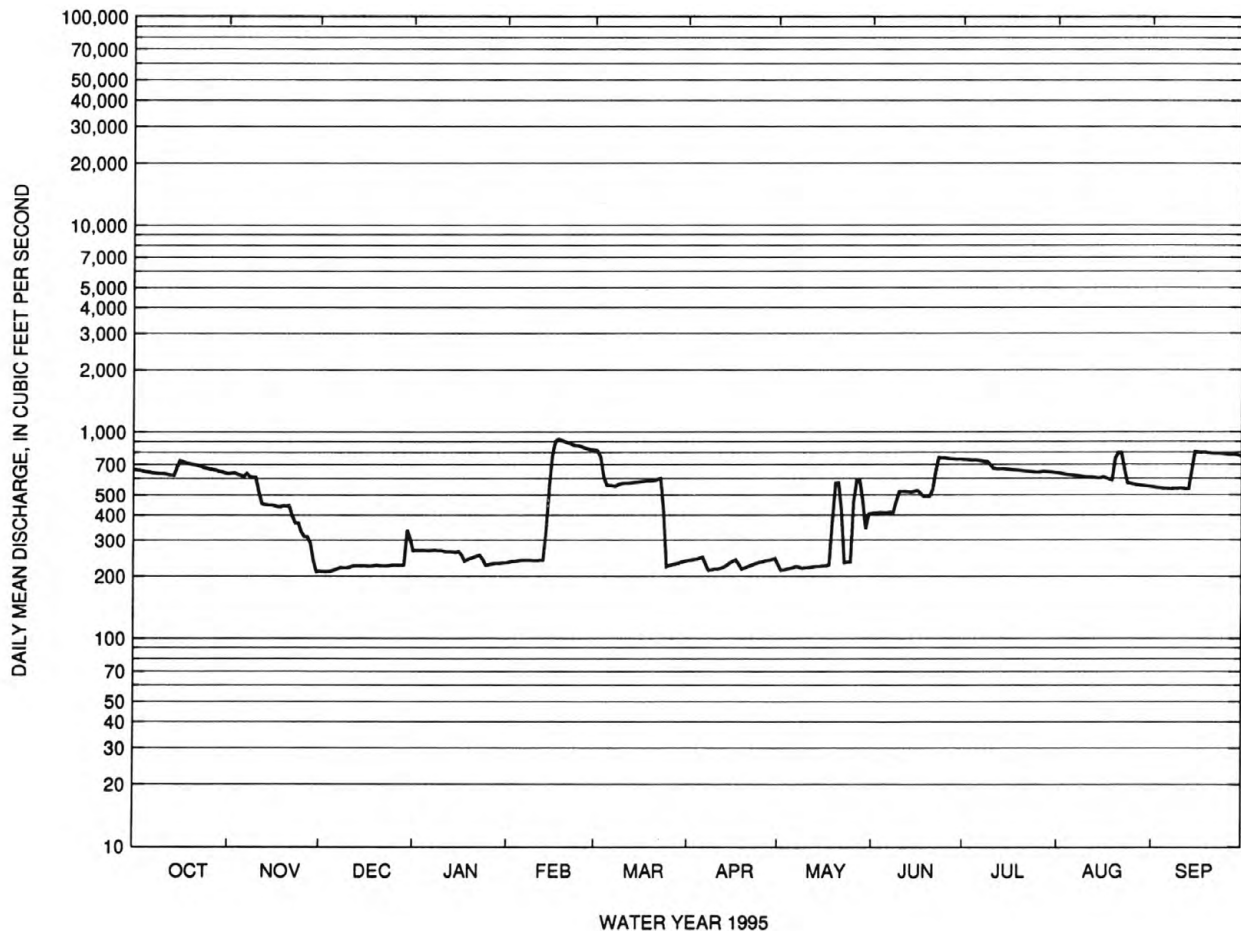
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	663	634	211	265	232	819	237	227	407	739	638	547
2	659	638	210	266	233	812	238	213	409	738	636	544
3	656	640	210	266	235	760	240	214	410	736	630	541
4	652	628	210	266	235	613	241	216	410	733	626	539
5	648	624	211	266	237	556	244	218	411	734	624	536
6	645	616	214	265	238	555	247	220	411	732	622	536
7	641	635	216	266	238	554	229	223	412	728	619	535
8	638	614	220	267	238	552	213	221	410	724	617	536
9	635	608	219	266	238	564	214	218	463	722	614	536
10	635	608	219	266	237	567	216	220	519	698	611	538
11	633	518	221	264	237	569	216	220	519	670	608	537
12	628	454	223	262	238	570	218	221	519	667	608	535
13	624	449	224	262	238	571	221	222	518	667	607	535
14	622	447	224	262	234	574	225	223	516	666	603	663
15	680	447	224	260	548	575	231	223	521	665	601	804
16	729	444	224	263	776	578	235	224	524	663	609	800
17	720	440	223	253	904	580	239	224	508	660	602	798
18	712	438	223	236	925	583	228	227	491	659	594	800
19	707	443	224	240	914	584	216	374	491	657	588	796
20	701	442	225	243	900	585	219	570	491	654	745	793
21	697	444	224	246	888	588	222	571	529	652	796	791
22	692	397	224	250	878	595	225	420	651	650	795	787
23	685	366	224	252	865	602	228	232	753	648	672	790
24	675	366	224	240	860	418	231	233	750	646	569	785
25	671	331	225	226	857	222	233	233	750	643	567	782
26	667	313	225	227	846	225	234	462	745	643	562	778
27	662	313	225	229	835	227	237	588	744	647	558	777
28	657	290	225	230	828	229	238	588	742	647	556	780
29	650	239	226	230	---	231	240	463	740	646	553	772
30	646	210	337	231	---	233	243	341	740	645	552	767
31	639	---	306	232	---	235	---	405	---	641	549	---
TOTAL	20569	14036	7040	7797	15232	15926	6898	9454	16504	21020	19131	20258
MEAN	664	468	227	252	544	514	230	305	550	678	617	675
MAX	729	640	337	267	925	819	247	588	753	739	796	804
MIN	622	210	210	226	232	222	213	213	407	641	549	535

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	546	465	536	761	840	691	669	991	908	818	751	661
MAX	1410	1427	2572	1646	3034	1535	2566	2801	1746	1680	1646	1530
(WY)	1974	1982	1960	1955	1978	1951	1976	1945	1952	1984	1984	1989
MIN	121	112	152	237	222	192	75.4	193	219	228	301	216
(WY)	1945	1937	1936	1956	1948	1948	1938	1943	1985	1966	1965	1966

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1929 - 1995	
ANNUAL TOTAL	325779		173865			
ANNUAL MEAN	893		476		719	
HIGHEST ANNUAL MEAN					1203	
LOWEST ANNUAL MEAN					335	
HIGHEST DAILY MEAN	4780		925		6210	
LOWEST DAILY MEAN	210		210		1.9	
ANNUAL SEVEN-DAY MINIMUM	211		211		2.0	
INSTANTANEOUS PEAK FLOW			1110		6730	
INSTANTANEOUS PEAK STAGE			5.93		11.28	
10 PERCENT EXCEEDS	1480		750		1360	
50 PERCENT EXCEEDS	713		535		600	
90 PERCENT EXCEEDS	239		223		222	



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 mi².

PERIOD OF RECORD.--Discharge: October 1928 to current year. Monthly discharge only for October 1928 published in WSP 1301.
Chemical analyses: Water year 1954.

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

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. 12-14, Dec. 29 to Jan. 7, Jan. 9-15, 27, 28, Feb. 3-7, 12, and 13. Flow completely regulated by Grand Lake, 0.8 mi upstream, and other lakes, combined usable capacity about 8,250,000,000 ft³. Several observations of water temperature and specific conductance were made during the year. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,840 ft³/s, June 12, 1952, gage height, 6.35 ft; minimum daily discharge, 5 ft³/s, Dec. 3-6, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 583 ft³/s, Sept. 8, gage height, 3.07 ft; minimum daily discharge, 121 ft³/s, Oct. 18-20, Nov. 13-18, 21, 25, and 27.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	569	123	125	e135	147	461	186	217	203	234	254	265
2	556	126	125	e137	147	457	187	217	203	235	276	265
3	547	126	125	e139	e147	453	188	217	208	234	276	263
4	537	123	125	e141	e148	448	188	217	209	231	276	261
5	530	123	127	e143	e149	446	188	217	207	231	276	330
6	519	123	131	e145	e150	447	188	217	207	231	276	379
7	510	128	130	e147	e151	446	189	217	207	231	274	373
8	502	124	130	152	152	444	190	217	205	231	273	501
9	493	123	128	e147	152	301	191	217	262	231	272	580
10	489	124	128	e147	151	201	191	202	307	231	272	578
11	484	124	130	e147	149	199	191	178	307	231	271	567
12	470	123	e130	e147	e149	200	191	162	297	231	269	559
13	464	121	e130	e147	e170	200	196	157	254	231	270	552
14	427	121	e130	e147	208	200	201	157	235	231	266	549
15	372	121	130	e147	245	200	203	157	240	229	265	546
16	173	121	128	147	288	200	203	158	239	228	265	536
17	138	121	128	147	309	201	204	159	239	228	265	531
18	121	121	128	145	317	203	206	161	239	230	277	535
19	121	123	128	145	316	203	207	160	241	230	280	529
20	121	122	128	145	377	203	207	160	238	228	279	521
21	122	121	129	149	450	263	207	160	235	228	276	516
22	125	123	130	149	466	318	210	160	233	228	277	510
23	124	123	130	147	461	224	210	160	232	228	276	512
24	123	123	130	142	465	147	211	181	232	228	276	503
25	123	121	130	143	464	147	212	203	231	225	276	499
26	123	122	130	145	461	147	213	203	231	224	273	494
27	123	121	130	e145	460	147	213	203	231	224	272	444
28	123	123	130	e147	461	147	214	203	232	224	270	395
29	123	125	e130	148	---	147	217	203	232	223	268	377
30	123	125	e131	147	---	168	217	204	231	224	268	373
31	123	---	e133	147	---	184	---	203	---	223	265	---
TOTAL	9498	3688	3997	4506	7710	8152	6019	5847	7067	7096	8429	13843
MEAN	306	123	129	145	275	263	201	189	236	229	272	461
MAX	569	128	133	152	466	461	217	217	307	235	280	580
MIN	121	121	125	135	147	147	186	157	203	223	254	261

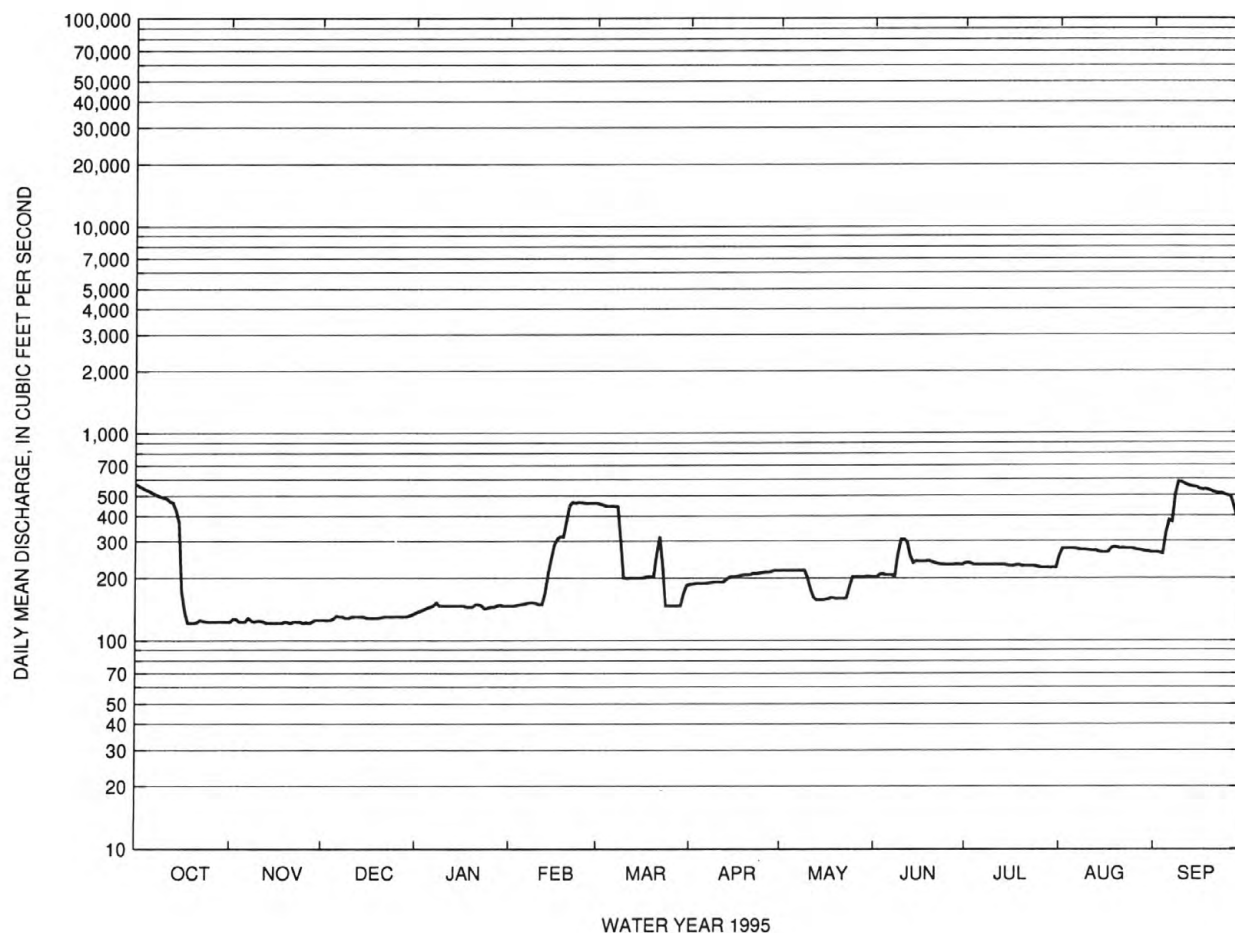
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01019000 GRAND LAKE STREAM AT GRAND LAKE STREAM, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	346	219	253	372	484	449	319	405	457	424	480	460
MAX	890	666	1304	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

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1929 - 1995
ANNUAL TOTAL	152300	85852	
ANNUAL MEAN	417	235	390
HIGHEST ANNUAL MEAN			701
LOWEST ANNUAL MEAN			178
			1960
HIGHEST DAILY MEAN	1570	Feb 8	580
LOWEST DAILY MEAN	121	Oct 18	121
ANNUAL SEVEN-DAY MINIMUM	121	Nov 12	121
			Nov 12
INSTANTANEOUS PEAK FLOW		583	Sep 8
INSTANTANEOUS PEAK STAGE		5.27	Dec 30
			2840
			6.35
			Jun 12 1952
10 PERCENT EXCEEDS	944	461	818
50 PERCENT EXCEEDS	408	206	288
90 PERCENT EXCEEDS	124	124	117



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 mi².

PERIOD OF RECORD.--Discharge: October 1959 to current year. 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 temperatures: 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.

REMARKS.--Records good except for periods of ice effect, Dec. 14-16, 31, Jan. 8-12, Feb. 6,9,14,15,17, and Feb. 27 to Mar. 1, which are fair. Flow regulated by Chiputneticook Lakes, Grand Lake, and other lakes, combined capacity 25,000,000,000 ft³. 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 ft³/s, May 29, 1961, gage height, 12.76 ft; minimum daily discharge, 262 ft³/s, Oct. 20, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,920 ft³/s, Apr. 17, gage height, 8.19 ft; minimum daily discharge, 801 ft³/s, Jan. 14.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1910	1040	952	921	897	e2060	3260	3280	1590	1110	1070	1000
2	1640	1220	1120	836	894	2090	3080	3130	1720	1090	1040	1030
3	1640	1120	1030	900	991	2090	3120	2500	1610	1090	1060	958
4	1190	992	1060	970	922	1810	3150	2420	1800	1100	1050	901
5	1390	988	1660	1040	1230	1750	3080	2350	1690	975	1200	937
6	1480	1070	2780	1000	e1090	1790	2280	2250	1730	970	1090	939
7	1280	1000	2640	911	1410	1800	2870	2180	1620	964	1120	945
8	1060	986	2490	e883	1490	1890	2840	1940	1450	878	1750	999
9	964	980	2290	e854	e1130	2730	2700	1820	1390	881	1140	907
10	930	975	1930	e854	1070	3310	2650	1860	1410	882	975	894
11	1030	968	1900	e854	963	3290	2560	1820	1260	883	966	873
12	977	948	1920	e847	1010	3290	2430	1780	1240	933	923	948
13	960	911	1710	825	1340	3250	2960	1820	1140	957	1000	949
14	923	880	e1430	801	e1130	3210	3600	1710	1140	899	935	1010
15	836	845	e1030	834	e1050	3220	4320	1420	1710	906	997	904
16	840	818	e1020	1770	1170	3240	3530	1580	2450	914	967	913
17	883	814	1050	3270	e1370	3280	4710	1620	2500	963	979	884
18	828	1050	1390	3790	1920	3350	4190	1830	2780	1370	972	1240
19	825	1300	1360	3410	2030	3250	4310	2150	2330	1830	982	1310
20	1530	892	994	3410	1840	3280	4240	2220	2650	1790	982	1460
21	2240	848	1130	4110	1790	3310	3930	2370	2400	1750	990	1290
22	1100	1160	992	4340	1880	3720	3510	2700	2040	1210	973	1210
23	1070	936	866	3280	1810	3720	3610	2670	1690	947	964	1330
24	990	972	914	3240	1840	3450	3490	2390	1780	982	980	1050
25	959	928	916	3060	1890	3250	3370	2160	1540	979	1030	1340
26	993	934	864	2650	1890	3160	3240	1670	1390	925	928	1650
27	963	827	949	2590	e1900	3120	3220	1510	1270	936	1030	1520
28	960	923	1330	2600	e1970	3030	3180	1530	1500	946	976	1700
29	965	1090	888	2470	---	3120	3210	1700	1440	1010	874	1470
30	865	973	1140	2430	---	3090	3320	1760	1070	1070	860	1130
31	1360	---	e1410	2120	---	3120	---	1650	---	1100	962	---
TOTAL	35581	29388	43155	61870	39917	90070	99960	63790	51330	33240	31765	33691
MEAN	1148	980	1392	1996	1426	2905	3332	2058	1711	1072	1025	1123
MAX	2240	1300	2780	4340	2030	3720	4710	3280	2780	1830	1750	1700
MIN	825	814	864	801	894	1750	2280	1420	1070	878	860	873

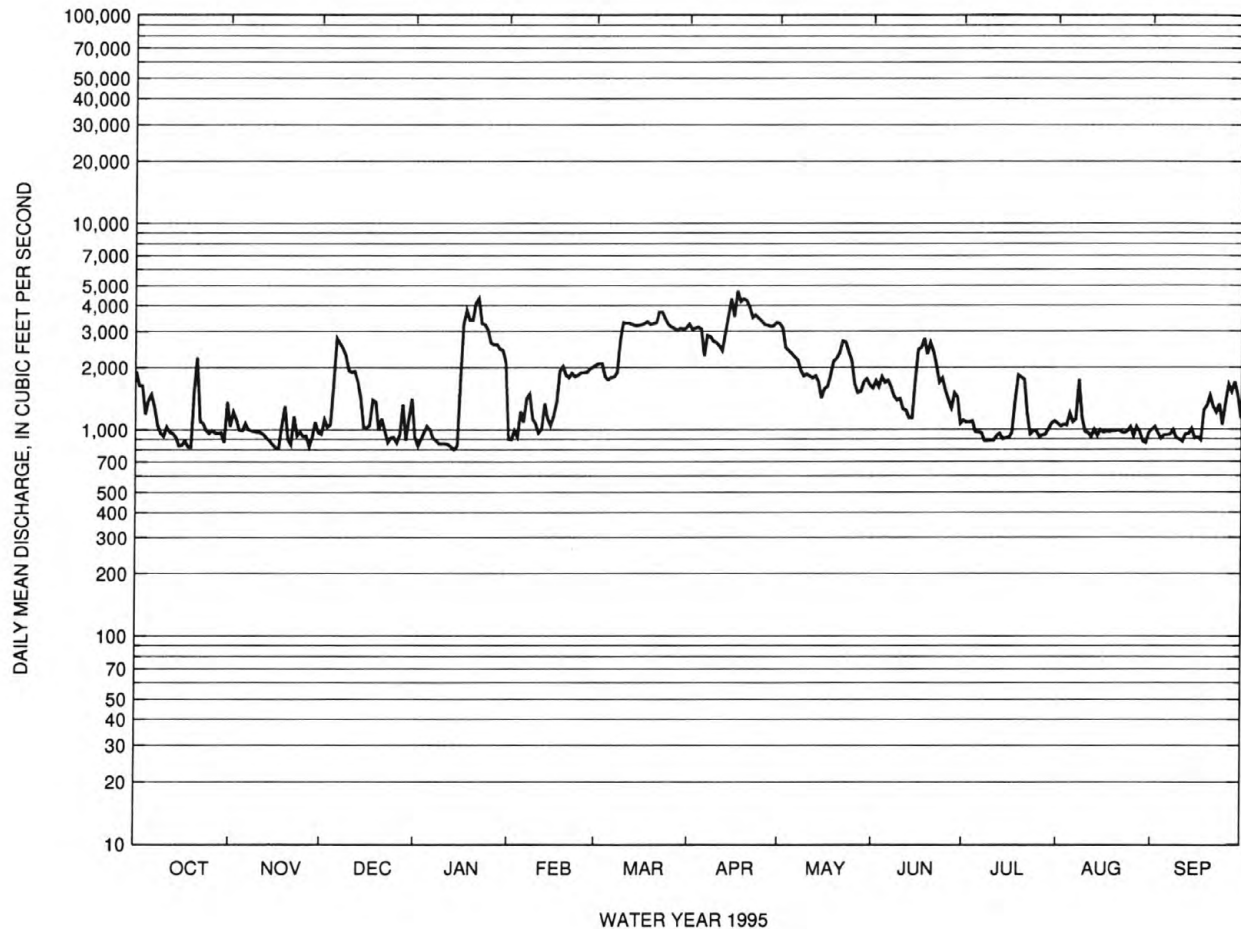
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1861	2316	2790	2346	2724	2903	5241	3814	2454	1671	1630	1689
MAX	3865	5679	8397	5303	6031	6164	9438	7403	6054	3884	2987	3269
(WY)	1982	1964	1960	1978	1978	1979	1976	1989	1977	1984	1981	1981
MIN	555	381	853	837	964	1236	2024	1076	967	652	636	855
(WY)	1965	1965	1979	1985	1985	1993	1985	1987	1966	1966	1966	1978

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1960 - 1995	
ANNUAL TOTAL	898187		613757			
ANNUAL MEAN	2461		1682		2616	
HIGHEST ANNUAL MEAN					3863	
LOWEST ANNUAL MEAN					1280	
HIGHEST DAILY MEAN	12100		4710		23200	
LOWEST DAILY MEAN	814		801		262	
ANNUAL SEVEN-DAY MINIMUM	871		838		327	
INSTANTANEOUS PEAK FLOW			5920		23500	
INSTANTANEOUS PEAK STAGE			8.19		12.76	
10 PERCENT EXCEEDS	4550		3240		4790	
50 PERCENT EXCEEDS	1660		1300		2170	
90 PERCENT EXCEEDS	928		898		963	



01021200 DENNY'S RIVER AT DENNYVILLE, 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 Dennyville.

DRAINAGE AREA.--92.9 mi².

PERIOD OF RECORD.--Discharge: October 1955 to current year.
Water temperatures: October 1958 to September 1972.

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

GAGE.--Water-stage recorder. Datum of gage is 54.78 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for periods of ice effect, Dec. 9, Feb. 6-10, and Apr. 6, and period of doubtful gage height record, Mar. 11-13, which are fair. Flow slightly regulated by dam at outlet of Meddybemps Lake, 14 mi upstream. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,930 ft³/s, Apr. 29, 1973, gage height, 9.35 ft (from rating curve extended above 1,400 ft³/s); minimum discharge, 8.4 ft³/s, Oct. 1, 1957, gage height, 0.28 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 17	2245	*822	4.14	Apr. 6	0830	Ice Jam	*4.45

Minimum discharge, 36 ft³/s, Oct. 16, 17 and Jan. 6, gage height, 0.71 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	63	161	50	72	80	228	354	130	86	75	54
2	68	260	118	46	71	77	227	309	120	86	73	53
3	67	237	96	45	67	74	195	251	125	93	72	52
4	67	151	83	43	60	71	181	216	229	92	78	51
5	66	107	84	40	67	69	212	199	188	92	85	50
6	66	84	349	37	e74	76	e231	191	152	91	79	50
7	65	93	334	139	e73	97	168	202	134	90	75	50
8	64	87	238	284	e73	108	169	210	192	83	72	51
9	63	75	e164	238	e72	391	182	204	174	79	71	50
10	63	67	138	170	e70	464	234	185	141	76	69	50
11	62	61	110	110	70	e366	239	169	122	76	69	49
12	61	57	136	75	69	e288	220	165	132	74	67	48
13	61	52	90	69	67	e236	332	223	161	75	67	48
14	50	49	67	75	66	200	497	221	134	83	67	48
15	39	48	58	101	65	178	465	186	281	86	66	50
16	36	46	50	372	76	171	390	177	445	84	66	48
17	37	44	46	637	99	162	346	191	301	82	64	48
18	43	43	45	720	94	165	316	271	205	113	63	59
19	44	85	46	510	84	183	294	304	151	166	63	53
20	44	108	43	318	81	194	321	256	119	139	62	49
21	50	87	40	366	77	230	319	214	107	114	62	49
22	103	116	39	414	74	454	298	184	103	102	61	48
23	117	163	39	314	70	502	306	154	104	94	60	52
24	95	125	52	235	88	408	292	135	104	89	60	51
25	78	92	148	180	132	302	270	129	101	85	59	49
26	70	76	187	143	128	233	251	116	97	83	58	48
27	64	67	134	109	103	191	242	124	92	80	57	48
28	59	65	98	88	87	171	234	129	91	79	55	48
29	57	210	84	81	---	168	257	129	90	77	54	47
30	54	217	62	76	---	171	338	147	88	78	54	47
31	53	---	56	73	---	184	---	142	---	76	54	---
TOTAL	1936	3035	3395	6158	2229	6664	8254	6087	4613	2803	2037	1498
MEAN	62.5	101	110	199	79.6	215	275	196	154	90.4	65.7	49.9
MAX	117	260	349	720	132	502	497	354	445	166	85	59
MIN	36	43	39	37	60	69	168	116	88	74	54	47
CFSM	.67	1.09	1.18	2.14	.86	2.31	2.96	2.11	1.66	.97	.71	.54
IN.	.78	1.22	1.36	2.47	.89	2.67	3.31	2.44	1.85	1.12	.82	.60

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	115	196	219	191	188	252	446	278	169	96.6	73.5	78.6
MAX	317	505	508	457	548	599	737	732	382	203	205	201
(WY)	1978	1964	1974	1958	1976	1979	1969	1972	1977	1984	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

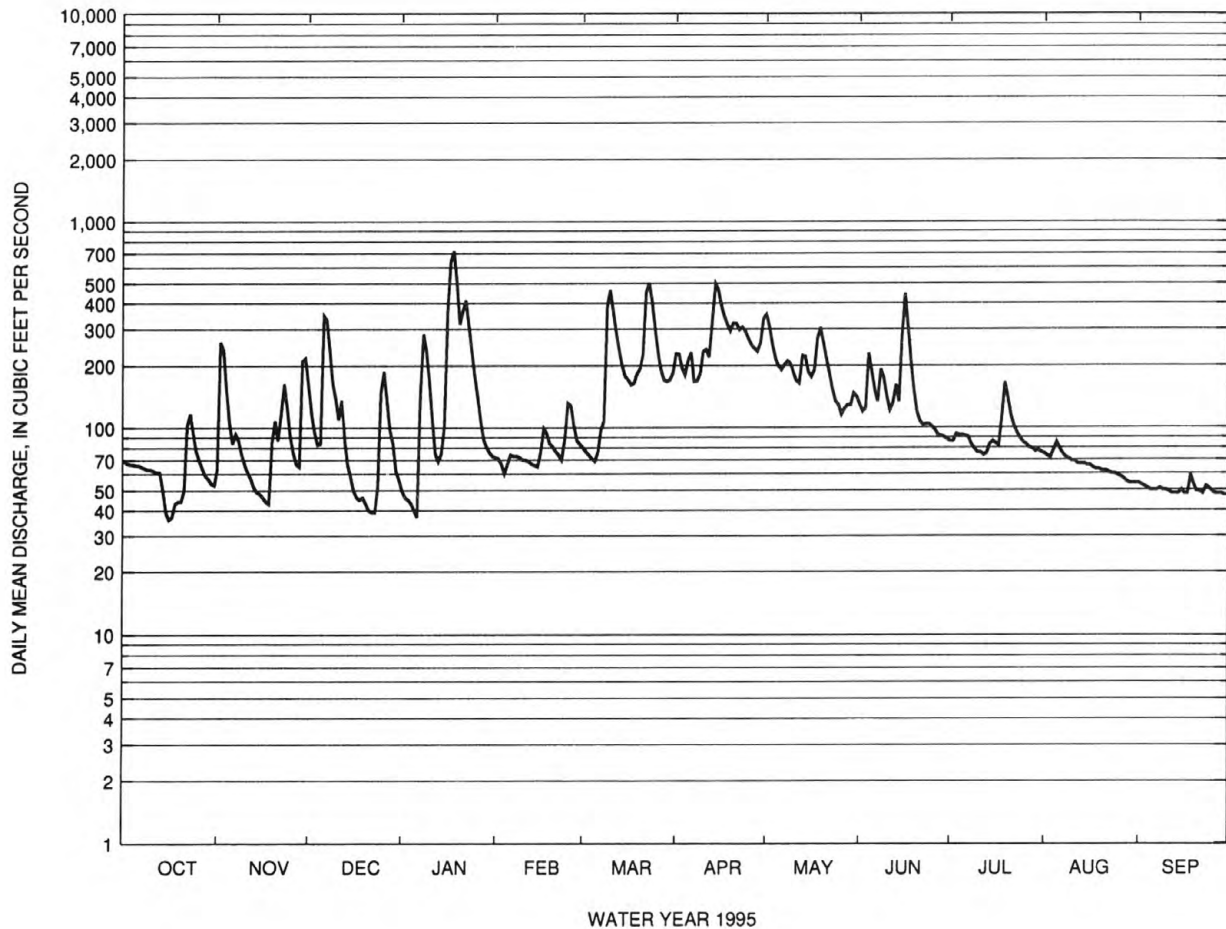
SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1956 - 1995

ANNUAL TOTAL	70136.0		48709			
ANNUAL MEAN	192		133		192	
HIGHEST ANNUAL MEAN					292	
LOWEST ANNUAL MEAN					96.0	
HIGHEST DAILY MEAN	903	Apr 8	720	Jan 18	3350	Apr 29 1973
LOWEST DAILY MEAN	26	Sep 17	36	Oct 16	8.6	Sep 30 1957
ANNUAL SEVEN-DAY MINIMUM	42	Oct 14	42	Oct 14	9.5	Sep 25 1957
INSTANTANEOUS PEAK FLOW			822	Jan 17	3930	Apr 29 1973
INSTANTANEOUS PEAK STAGE			4.45	Apr 6	9.35	Apr 29 1973
INSTANTANEOUS LOW FLOW			36	Oct 16	8.4	Oct 1 1957
ANNUAL RUNOFF (CFSM)	2.07		1.44		2.06	
ANNUAL RUNOFF (INCHES)	28.08		19.50		28.02	
10 PERCENT EXCEEDS	456		286		415	
50 PERCENT EXCEEDS	114		88		131	
90 PERCENT EXCEEDS	57		49		44	



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 mi². 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, including periods of doubtful gage-height record, Nov. 15-17, Apr. 25 and 26, excellent except for flows between 0.10 ft³/s and 0.010 ft³/s, which are good, and for flows below 0.010 ft³/s, which are poor. Records for periods of doubtful gage-height record, June 20 to July 11 and July 15 to Aug. 1 are rated poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9.91 ft³/s, Mar. 27, 1988, gage height, 6.39 ft; no flow for many days in 1988-95.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2.2 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 9	0615	*4.03	*5.97				

No other peak greater than base discharge.

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

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.000	.013	.12	.029	.038	.032	.11	.10	.048	e.001	e.000	.000
2	.000	.12	.095	.030	.038	.032	.10	.084	.036	e.001	.000	.000
3	.000	.11	.077	.027	.032	.032	.10	.074	.067	e.001	.000	.000
4	.000	.060	.069	.027	.032	.027	.10	.069	.12	e.000	.001	.000
5	.000	.040	.17	.025	.032	.029	.086	.060	.065	e.000	.002	.000
6	.000	.034	.48	.022	.030	.032	.085	.069	.049	e.000	.001	.000
7	.000	.13	.23	.13	.027	.029	.083	.070	.046	e.000	.000	.000
8	.000	.080	.14	.12	.027	.43	.096	.078	.063	e.000	.000	.000
9	.000	.056	.10	.076	.025	1.98	.12	.078	.044	e.000	.000	.000
10	.000	.040	.083	.061	.022	.35	.14	.064	.030	e.000	.000	.000
11	.000	.031	.080	.053	.022	.17	.13	.060	.029	e.000	.000	.000
12	.000	.024	.064	.052	.022	.13	.13	.091	.062	.000	.000	.000
13	.000	.021	.057	.055	.018	.10	.92	.26	.065	.000	.000	.000
14	.000	.018	.052	.069	.016	.084	.60	.16	.045	.000	.000	.000
15	.000	e.022	.053	.20	.014	.079	.38	.12	.14	e.010	.000	.000
16	.000	e.018	.060	.49	.060	.079	.22	.12	.22	e.009	.000	.000
17	.000	e.014	.043	1.13	.035	.079	.19	.14	.11	e.008	.000	.000
18	.000	.015	.038	.42	.028	.072	.18	.55	.072	e.15	.000	.000
19	.000	.20	.036	.21	.027	.073	.17	.26	.051	e.030	.000	.000
20	.000	.10	.030	.15	.027	.086	.23	.17	e.037	e.008	.000	.000
21	.000	.068	.027	.23	.027	.21	.18	.13	e.024	e.004	.000	.000
22	.039	.34	.030	.15	.027	.72	.17	.11	e.016	e.002	.000	.000
23	.019	.18	.037	.11	.023	.41	.15	.089	e.011	e.001	.000	.000
24	.009	.10	.085	.095	.076	.26	.13	.079	e.009	e.000	.000	.000
25	.004	.075	.14	.078	.087	.17	e.110	.072	e.007	e.000	.000	.000
26	.003	.061	.084	.068	.056	.13	e.100	.062	e.005	e.000	.000	.000
27	.003	.049	.059	.058	.046	.11	.084	.060	e.004	e.000	.000	.000
28	.003	.22	.053	.049	.041	.10	.079	.058	e.003	e.000	.000	.000
29	.002	.40	.064	.044	---	.12	.099	.062	e.002	e.000	.000	.000
30	.002	.19	.043	.045	---	.14	.10	.077	e.002	e.000	.000	.000
31	.001	---	.030	.039	---	.14	---	.061	---	e.000	.000	---
TOTAL	0.085	2.829	2.729	4.342	0.955	6.435	5.372	3.537	1.482	0.225	0.004	0.000
MEAN	.003	.094	.088	.14	.034	.21	.18	.11	.049	.007	.000	.000
MAX	.039	.40	.48	1.13	.087	1.98	.92	.55	.22	.15	.002	.000
MIN	.000	.013	.027	.022	.014	.027	.079	.058	.002	.000	.000	.000

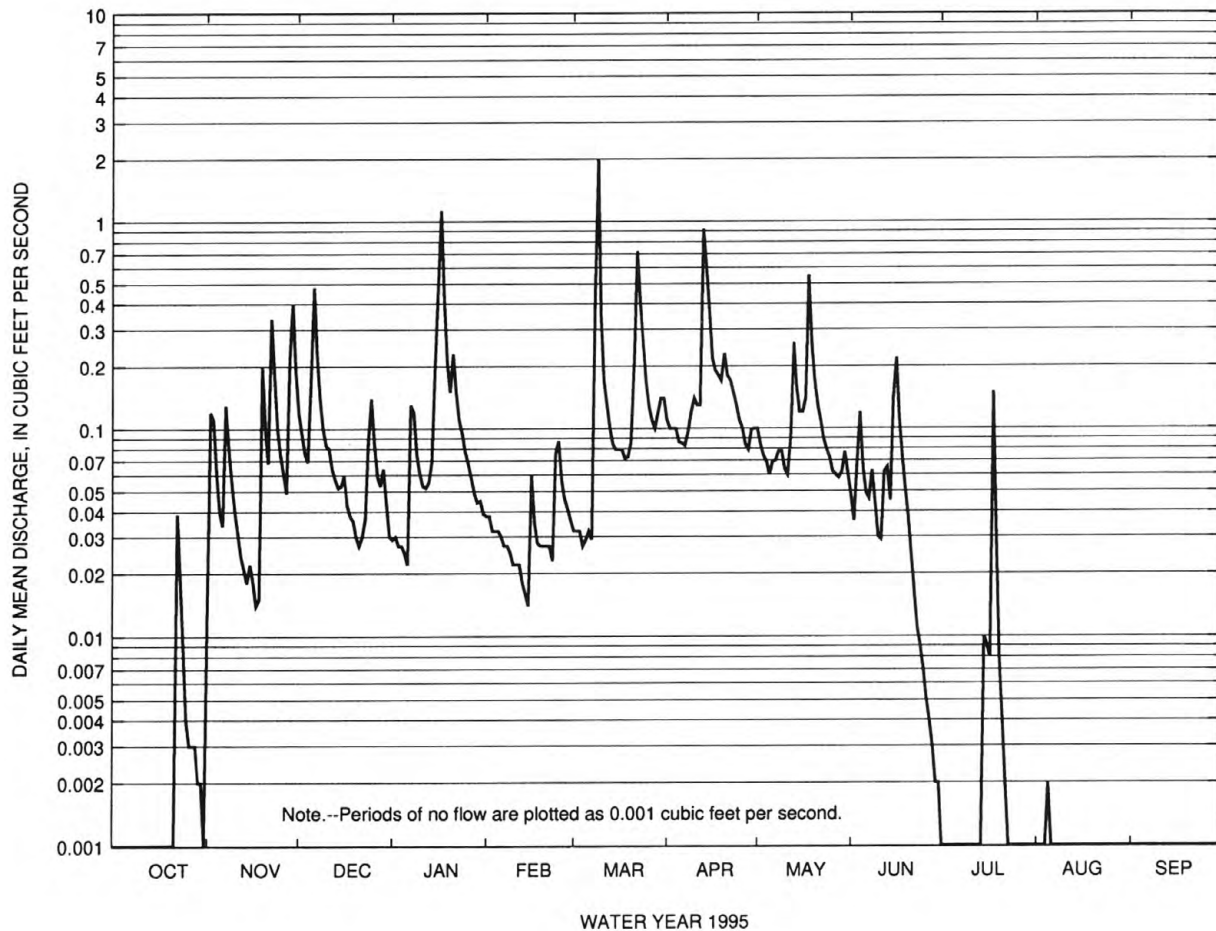
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01022294 EAST BRANCH BEAR BROOK NEAR BEDDINGTON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.087	.19	.14	.11	.053	.19	.26	.17	.049	.006	.006	.012
MAX	.16	.31	.36	.16	.12	.32	.45	.49	.10	.036	.019	.062
(WY)	1992	1990	1994	1990	1990	1991	1993	1989	1989	1992	1992	1991
MIN	.003	.094	.032	.019	.034	.10	.16	.059	.009	.000	.000	.000
(WY)	1995	1995	1990	1989	1995	1994	1988	1993	1988	1991	1993	1993

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1988 - 1995
ANNUAL TOTAL	32.808	27.995	
ANNUAL MEAN	.090	.077	.106
HIGHEST ANNUAL MEAN			.12
LOWEST ANNUAL MEAN			.077
			1990
HIGHEST DAILY MEAN	1.22 Jan 29	1.98 Mar 9	4.95 Mar 27 1988
LOWEST DAILY MEAN	.000 Jul 7	.000 Oct 1	.000 Jun 14 1988
ANNUAL SEVEN-DAY MINIMUM	.000 Jul 12	.000 Oct 1	.000 Jun 14 1988
INSTANTANEOUS PEAK FLOW		4.03 Mar 9	9.91 Mar 27 1988
INSTANTANEOUS PEAK STAGE		5.97 Mar 9	6.39 Mar 27 1988
INSTANTANEOUS LOW FLOW		.000 Oct 2	.000 Jun 20 1988
10 PERCENT EXCEEDS	.200	.170	.230
50 PERCENT EXCEEDS	.037	.037	.042
90 PERCENT EXCEEDS	.000	.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 mi². 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 excellent except for flows between 0.10 ft³/s and 0.010 ft³/s, and periods of no gage-height record, Nov. 15-16 and Apr. 25-26, which are good, and for flows below 0.010 ft³/s, and period of no gage-height record, July 15-18, which are poor. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8.71 ft³/s, Mar. 27, 1988, gage height, 6.47 ft, (backwater from log on control); no flow, Aug. 1 and 2, 1991 and Aug. 27 to Sept. 1, 1993.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2.2 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 9	0620	*3.34	*5.90				
						No other peak greater than base discharge.	

Minimum discharge, 0.001 ft³/s, Sept. 16, gage height, 5.01 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.014	.029	.10	.046	.060	.038	.11	.081	.057	.014	.007	.003
2	.014	.11	.081	.045	.060	.038	.092	.073	.045	.016	.009	.002
3	.014	.082	.070	.050	.059	.035	.089	.069	.065	.012	.011	.002
4	.011	.060	.069	.049	.045	.032	.089	.069	.10	.018	.020	.002
5	.008	.045	.18	.045	.045	.034	.078	.069	.066	.013	.020	.002
6	.008	.040	.41	.045	.045	.033	.079	.069	.056	.010	.016	.002
7	.008	.10	.21	.14	.042	.032	.077	.069	.055	.006	.014	.003
8	.007	.074	.13	.10	.038	.23	.081	.069	.062	.006	.013	.008
9	.007	.061	.093	.074	.038	1.78	.092	.069	.053	.004	.012	.004
10	.009	.046	.084	.065	.038	.33	.11	.069	.039	.004	.008	.005
11	.010	.035	.079	.057	.038	.17	.11	.065	.035	.005	.004	.004
12	.008	.032	.073	.052	.036	.12	.12	.083	.057	.008	.006	.003
13	.008	.032	.068	.059	.032	.10	.83	.22	.064	.005	.009	.004
14	.007	.031	.060	.062	.032	.089	.59	.13	.050	.004	.010	.007
15	.006	e.030	.060	.74	.032	.089	.37	.096	.098	e.035	.010	.004
16	.007	e.019	.060	.95	.065	.089	.22	.092	.16	e.028	.006	.002
17	.008	.018	.060	1.07	.049	.088	.17	.11	.081	e.020	.005	.010
18	.008	.018	.060	.41	.041	.079	.17	.44	.065	e.12	.003	.010
19	.007	.16	.060	.20	.038	.076	.18	.22	.057	.039	.003	.002
20	.009	.089	.058	.15	.038	.073	.23	.14	.054	.019	.002	.004
21	.033	.066	.052	.19	.038	.14	.18	.11	.038	.017	.002	.004
22	.068	.30	.052	.14	.033	.53	.17	.094	.028	.014	.002	.005
23	.044	.16	.053	.11	.036	.33	.14	.077	.024	.014	.002	.012
24	.026	.091	.073	.089	.065	.22	.12	.069	.022	.013	.005	.006
25	.020	.073	.11	.087	.067	.15	e.10	.069	.022	.011	.004	.004
26	.018	.062	.074	.074	.055	.12	e.084	.069	.020	.012	.004	.004
27	.015	.057	.062	.069	.045	.10	.079	.069	.016	.013	.003	.005
28	.014	.18	.060	.069	.043	.091	.072	.065	.014	.011	.002	.005
29	.014	.33	.064	.063	---	.10	.087	.060	.014	.017	.003	.004
30	.014	.16	.058	.060	---	.12	.089	.060	.014	.012	.002	.004
31	.014	---	.048	.060	---	.11	---	.060	---	.008	.002	---
TOTAL	0.458	2.590	2.771	5.420	1.253	5.566	5.008	3.104	1.531	0.528	0.219	0.136
MEAN	.015	.086	.089	.17	.045	.18	.17	.10	.051	.017	.007	.005
MAX	.068	.33	.41	1.07	.067	1.78	.83	.44	.16	.12	.020	.012
MIN	.006	.018	.048	.045	.032	.032	.072	.060	.014	.004	.002	.002

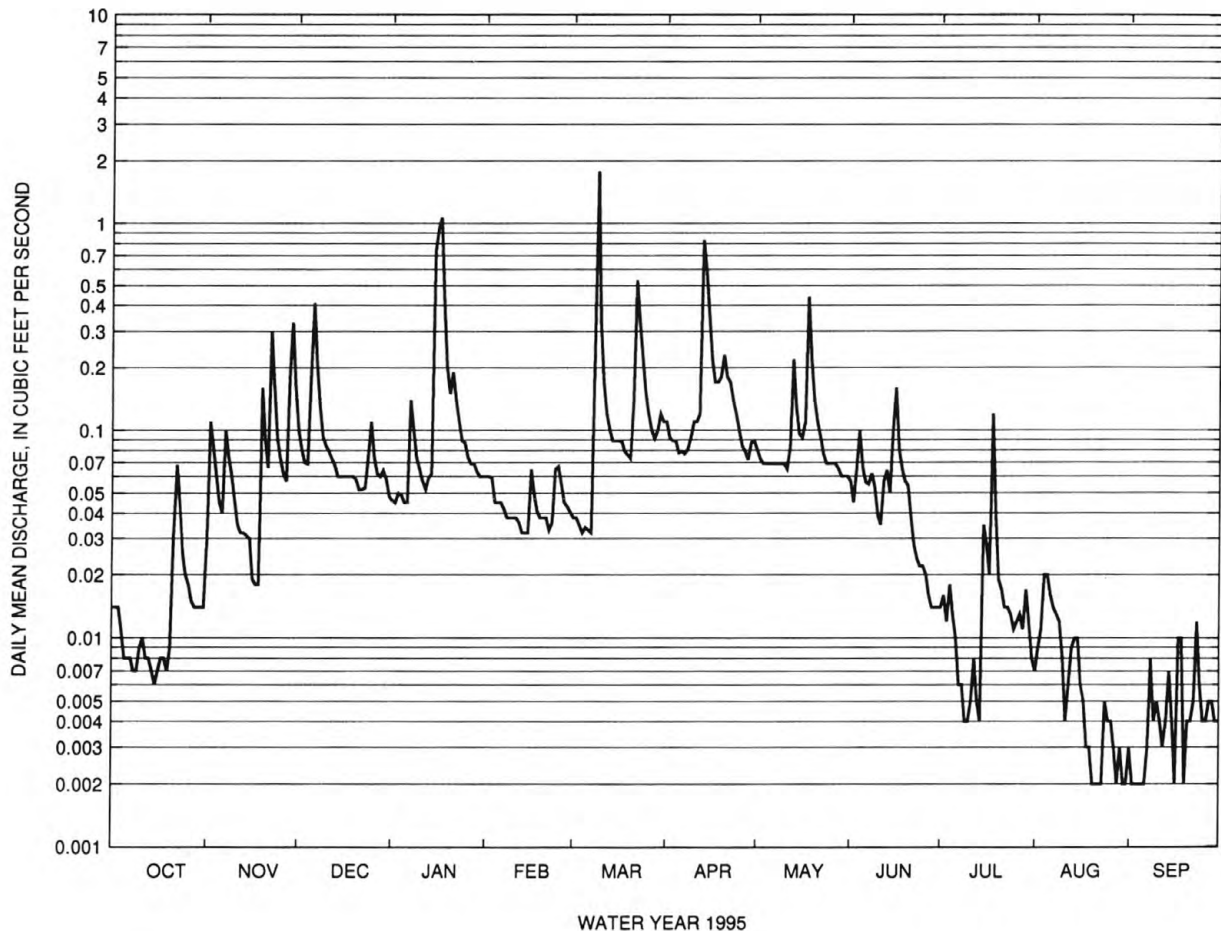
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.087	.17	.14	.11	.055	.17	.26	.17	.057	.014	.012	.019
MAX	.15	.25	.38	.17	.088	.32	.47	.51	.11	.047	.025	.073
(WY)	1991	1989	1994	1995	1990	1991	1993	1989	1989	1992	1992	1991
MIN	.015	.086	.034	.020	.040	.083	.17	.072	.017	.005	.002	.003
(WY)	1995	1995	1990	1989	1991	1994	1995	1993	1988	1991	1993	1993

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1988 - 1995
ANNUAL TOTAL	33.798	28.584	
ANNUAL MEAN	.093	.078	.11
HIGHEST ANNUAL MEAN			.13 1994
LOWEST ANNUAL MEAN			.078 1995
HIGHEST DAILY MEAN	1.25 Apr 14	1.78 Mar 9	4.25 Mar 27 1988
LOWEST DAILY MEAN	.001 Aug 9	.002 Aug 20	.000 Jul 16 1988
ANNUAL SEVEN-DAY MINIMUM	.001 Aug 28	.002 Aug 30	.000 Aug 26 1993
INSTANTANEOUS PEAK FLOW		3.34 Mar 9	8.71 Mar 27 1988
INSTANTANEOUS PEAK STAGE		5.90 Mar 9	6.47 Mar 27 1988
INSTANTANEOUS LOW FLOW		.001 Sep 16	.000 Aug 1 1991
10 PERCENT EXCEEDS	.210	.154	.222
50 PERCENT EXCEEDS	.045	.052	.048
90 PERCENT EXCEEDS	.003	.004	.004



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 mi².

PERIOD OF RECORD.--Discharge: February 1948 to current year.

Chemical analyses: Water years 1954, 1978 to 1986.

Specific conductance: January 1978 to September 1981.

Water temperatures: January 1978 to September 1981.

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

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

REMARKS.--Records good except for periods of ice effect, Dec. 9, 12, 30, Jan. 5, 6, 11, 25, 26, 29, Feb. 3-15, 26, 27, and Mar. 3-5, and period of no gage height record, Oct. 1 to Nov. 16, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 18	0200	*2,450	*11.94	No other peaks greater than base discharge			

Minimum discharge, 28 ft³/s, Sept. 7, gage height, 6.97 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e82	e135	471	216	387	328	841	519	313	112	93	35
2	e80	e650	370	210	367	302	777	489	288	108	87	34
3	e80	e595	315	201	e311	e267	681	449	278	115	79	33
4	e80	e355	277	205	e275	e248	630	412	604	117	87	32
5	e80	e210	282	e192	e280	e243	703	384	641	110	121	31
6	e77	e208	781	e179	e305	279	621	368	486	104	121	31
7	e76	e270	785	347	e320	302	579	385	386	97	106	30
8	e75	e210	656	524	e300	354	519	383	424	93	95	36
9	e73	e185	e476	465	e285	1140	496	384	388	91	86	38
10	e72	e160	420	399	e270	1450	549	362	321	87	76	37
11	e70	e135	407	e313	e260	1270	549	340	276	83	69	34
12	e68	e115	e362	271	e255	1140	520	381	278	83	64	33
13	e67	e103	308	292	e246	950	869	1410	333	81	61	32
14	e66	e98	259	306	e233	778	1510	1260	331	79	58	33
15	e65	e96	233	362	e223	665	1800	872	476	111	55	34
16	e64	e89	212	977	297	641	1580	685	769	172	54	34
17	e67	83	216	1870	351	650	1310	662	677	154	53	37
18	e65	80	211	2370	330	691	1070	972	546	214	51	65
19	e64	176	207	2030	310	841	918	1030	435	408	48	71
20	e67	236	187	1530	298	844	964	885	373	357	45	58
21	e115	199	186	1510	285	887	908	712	313	262	44	50
22	e265	325	182	1620	269	1320	840	595	265	210	43	46
23	e295	433	176	1370	254	1530	792	518	230	173	40	57
24	e240	342	228	1090	340	1450	710	454	204	148	44	65
25	e195	273	475	e850	500	1200	634	419	185	129	42	59
26	e170	228	509	e671	e435	957	564	382	169	115	40	52
27	e145	193	383	557	e372	782	518	350	155	106	37	51
28	e130	199	341	470	354	684	480	336	137	101	36	52
29	e120	588	311	e428	---	647	502	334	129	96	35	46
30	e115	583	e214	404	---	631	526	363	119	100	35	43
31	e113	---	201	399	---	698	---	338	---	100	34	---
TOTAL	3341	7552	10641	22628	8712	24169	23960	17433	10529	4316	1939	1289
MEAN	108	252	343	730	311	780	799	562	351	139	62.5	43.0
MAX	295	650	785	2370	500	1530	1800	1410	769	408	121	71
MIN	64	80	176	179	223	243	480	334	119	79	34	30
CFSM	.47	1.11	1.51	3.22	1.37	3.43	3.52	2.48	1.55	.61	.28	.19
IN.	.55	1.24	1.74	3.71	1.43	3.96	3.93	2.86	1.73	.71	.32	.21

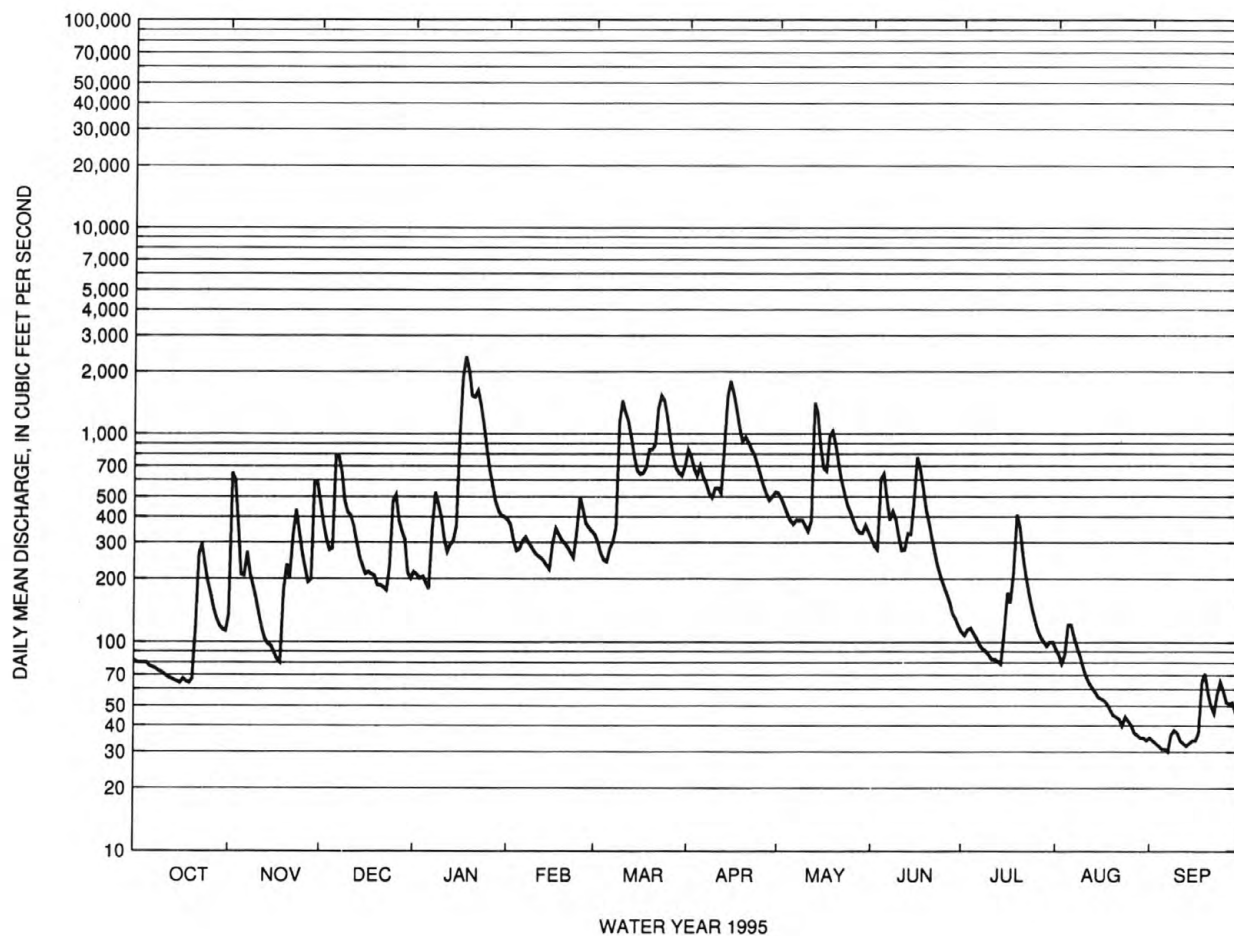
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01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	274	580	654	503	463	701	1227	684	340	182	136	164
MAX	1074	1317	1533	1118	1125	1636	1945	1962	877	627	526	947
(WY)	1978	1960	1970	1958	1976	1979	1982	1989	1984	1976	1986	1954
MIN	34.3	111	87.7	113	121	153	473	336	119	47.2	28.8	32.3
(WY)	1958	1979	1956	1989	1980	1967	1985	1949	1964	1965	1965	1968

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1948 - 1995	
ANNUAL TOTAL	154983		136509			
ANNUAL MEAN	425		374		492	
HIGHEST ANNUAL MEAN					761	
LOWEST ANNUAL MEAN					272	
					1973	
HIGHEST DAILY MEAN	2570		2370		9490	
LOWEST DAILY MEAN	39		30		7.1	
ANNUAL SEVEN-DAY MINIMUM	42		32		22	
INSTANTANEOUS PEAK FLOW			2450		10400	
INSTANTANEOUS PEAK STAGE			11.94		17.40	
INSTANTANEOUS LOW FLOW			28		3.0	
ANNUAL RUNOFF (CFSM)	1.87		1.65		2.17	
ANNUAL RUNOFF (INCHES)	25.40		22.37		29.46	
10 PERCENT EXCEEDS	1090		846		1140	
50 PERCENT EXCEEDS	254		275		300	
90 PERCENT EXCEEDS	60		52		74	



01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME

LOCATION.--Lat 45°30'18", long 68°18'07", Penobscot County, Hydrologic Unit 01020003, on right bank below Gordon Falls, 1.0 mi upstream from Mattakeunk Stream, 3.7 mi upstream from Mattawamkeag, and 4.6 mi upstream from mouth.

DRAINAGE AREA.--1,418 mi².

PERIOD OF RECORD.--Discharge: October 1934 to current year.
Chemical analyses: Water year 1954.

REVISED RECORDS.--WSP 1501: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 228 ft above National Geodetic Vertical Datum of 1929, from topographic map. Prior to Mar. 11, 1991, at datum 2 ft higher.

REMARKS.--Records fair, including periods of ice effect, Dec. 12-25, Dec. 30 to Jan. 17, and Feb. 6-25 and periods of no gage-height record, Nov. 10, 11, Jan. 11, 18, 19, Feb 6, 7, and Aug. 30 to Sept. 6. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,200 ft³/s, Mar. 23, 1936, gage height, 17.34 ft present datum; minimum discharge, 30 ft³/s, Sept. 7, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,400 ft³/s, Apr. 17, gage height, 9.99 ft; minimum discharge 30 ft³/s, Sept. 7, gage height 1.38 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	517	299	957	e395	2710	849	4600	6550	2820	454	134	e36
2	549	655	916	e380	2480	842	4760	6320	2580	416	123	e34
3	474	2080	879	e367	2170	809	4720	5890	2380	386	112	e33
4	402	3260	869	e355	1920	751	4680	5390	2630	352	105	e32
5	336	3640	872	e347	1660	714	4640	4930	2960	322	112	e32
6	289	3240	1340	e352	e1420	663	3980	4530	2890	295	109	e32
7	255	3030	2390	e357	e1310	652	3990	4380	2640	271	104	34
8	231	2550	3790	e352	e1210	664	3680	4380	2380	251	97	47
9	207	2420	3510	e340	e1120	1020	3550	4420	2130	233	90	44
10	187	e2430	2640	e329	e1020	1520	3570	4270	1860	212	82	44
11	176	e2360	2390	e323	e980	1970	3680	3990	1620	197	75	39
12	165	2040	e2000	e319	e880	2350	3870	3660	1500	184	71	36
13	158	1750	e1600	e315	e830	2490	4320	3610	1550	168	69	33
14	145	1530	e1300	e308	e820	2530	6040	3740	1570	162	65	34
15	136	1380	e1000	e306	e750	2520	8360	3680	1660	168	63	36
16	130	1250	e900	e400	e740	2470	10000	3440	2580	159	62	35
17	124	1150	e800	e1200	e700	2430	10400	3390	3100	147	60	35
18	121	1040	e740	e3470	e670	2390	10200	3980	2910	168	59	43
19	115	971	e670	e6050	e660	2430	9980	4950	2530	191	58	42
20	110	908	e625	6980	e630	2560	9880	5420	2180	193	55	41
21	120	868	e590	7200	e600	2640	9830	5280	1780	188	51	40
22	150	886	e570	7410	e600	3220	9870	4840	1470	173	49	38
23	193	1060	e560	6830	e570	3930	9930	4290	1240	158	48	49
24	279	1140	e590	6270	e540	4510	9780	3870	1070	144	50	47
25	347	1080	e630	5720	e750	4960	9330	3590	930	135	48	43
26	374	1030	672	5220	880	4980	8530	3270	822	124	47	41
27	369	902	668	4700	915	4780	7760	2960	728	121	45	41
28	344	794	627	4220	873	4660	7080	2740	634	132	42	40
29	318	775	594	3690	---	4370	6720	2700	560	136	39	40
30	297	924	e423	3230	---	4330	6600	2870	501	141	e37	38
31	270	---	e415	2980	---	4380	---	2930	---	143	e37	---
TOTAL	7888	47442	36527	80715	30408	79384	204330	130260	56205	6524	2198	1159
MEAN	254	1581	1178	2604	1086	2561	6811	4202	1873	210	70.9	38.6
MAX	549	3640	3790	7410	2710	4980	10400	6550	3100	454	134	49
MIN	110	299	415	306	540	652	3550	2700	501	121	37	32
CFSM	1.18	1.12	.83	1.84	.77	1.81	4.80	2.96	1.32	.15	.05	.03
IN.	.21	1.24	.96	2.12	.80	2.08	5.36	3.42	1.47	.17	.06	.03

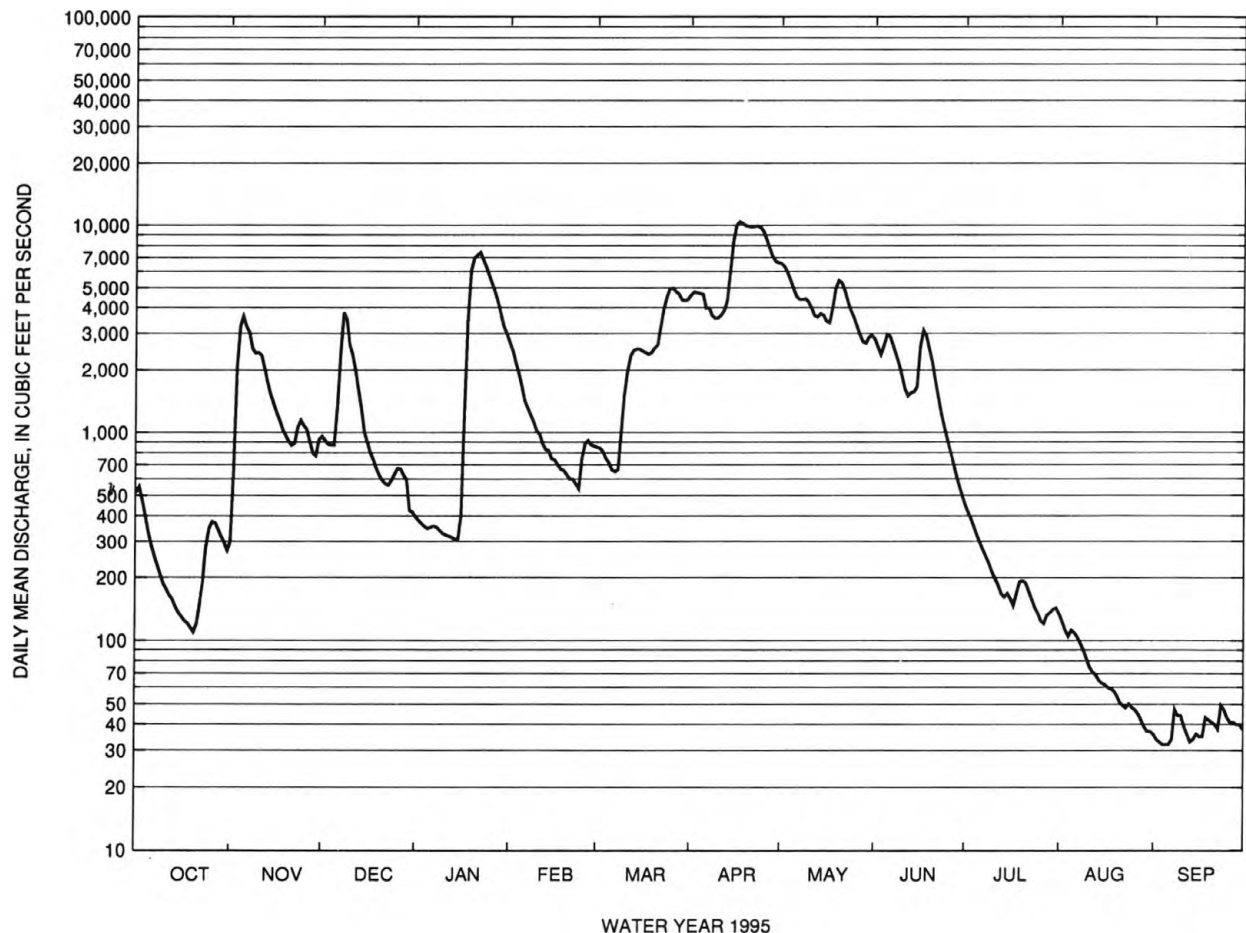
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01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1436	2752	2608	1402	1228	2022	8395	5565	2048	965	744	815
MAX	6901	8428	9871	3938	4685	11330	13950	12760	7262	3053	2565	5106
(WY)	1982	1964	1951	1978	1970	1936	1976	1961	1984	1947	1962	1954
MIN	146	219	105	197	165	230	3012	1774	405	118	70.9	38.6
(WY)	1947	1956	1956	1948	1944	1944	1944	1987	1988	1991	1995	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1935 - 1995	
ANNUAL TOTAL	804390		683040			
ANNUAL MEAN	2204		1871		2497	
HIGHEST ANNUAL MEAN					4015	
LOWEST ANNUAL MEAN					1307	
HIGHEST DAILY MEAN	24800		10400		29200	
LOWEST DAILY MEAN	60		32		32	
ANNUAL SEVEN-DAY MINIMUM	64		33		33	
INSTANTANEOUS PEAK FLOW			10400		29200	
INSTANTANEOUS PEAK STAGE			9.99		17.34	
INSTANTANEOUS LOW FLOW			30		30	
ANNUAL RUNOFF (CFSM)	1.55		1.32		1.76	
ANNUAL RUNOFF (INCHES)	21.10		17.92		23.93	
10 PERCENT EXCEEDS	6950		4800		6440	
50 PERCENT EXCEEDS	957		842		1220	
90 PERCENT EXCEEDS	122		48		265	



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 mi².

PERIOD OF RECORD.--Discharge: August 1902 to current year. Daily gage height and monthly discharge only for August to September 1902.

Chemical analyses: Water year 1955.

Water temperatures: 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, 25, 27, Dec. 8-23, Dec. 28 to Jan. 17, and Jan. 24 to March 22, and periods of no gage-height record, Oct. 31 to Nov. 1 and July 5 and 6, which are fair. Low flow may be regulated by operation of mills above station. Several observations of water temperature and specific conductance were made during the year. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,300 ft³/s, Apr. 1, 1987, gage height, 22.62 ft, from rating curve extended above 20,000 ft³/s on basis of slope-area measurement; minimum discharge, 5.0 ft³/s, Aug. 6, 1905, Nov. 22, 1908.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 17	1800	*4,020	*9.31	No other peaks greater than base discharge			

^a ice jam

Minimum discharge, 6.0 ft³/s, Sept. 12 and 13, gage height, 1.25 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	464	e164	201	e245	e270	e148	1550	734	674	60	92	19
2	344	1250	189	e230	e250	e140	1320	631	506	59	73	16
3	269	1810	189	e220	e220	e135	1100	556	504	59	60	16
4	224	1140	193	e210	e200	e128	1050	490	1350	58	58	15
5	193	825	239	e205	e195	e120	962	439	983	e51	65	15
6	166	639	1130	e205	e190	e140	805	416	692	e46	91	16
7	146	748	1310	e210	e187	e165	711	382	533	44	88	14
8	131	670	e887	e210	e182	e230	645	358	452	41	73	14
9	119	541	e615	e200	e180	e600	701	351	370	43	60	15
10	115	449	e540	e190	e178	e1480	669	323	309	44	53	14
11	109	375	e450	e190	e175	e1550	703	294	269	43	47	10
12	101	326	e410	e195	e172	e975	783	362	298	41	43	6.7
13	96	299	e390	e200	e171	e640	1100	1690	376	42	41	6.2
14	92	280	e360	e195	e170	e460	1830	1510	335	44	39	8.8
15	84	266	e340	e250	e170	e340	1720	1040	334	49	39	12
16	80	251	e325	e650	e190	e335	1380	1230	351	261	39	13
17	77	235	e310	e3100	e180	e360	1160	1520	282	325	39	16
18	73	220	e300	2930	e172	e470	1120	2260	246	328	45	17
19	70	221	e290	1910	e170	e580	1170	1870	216	333	45	16
20	69	209	e280	1380	e167	e620	1220	1310	177	227	36	16
21	104	192	e280	2100	e165	e600	1300	992	146	157	32	15
22	293	266	e280	2160	e160	e1070	1370	929	125	116	30	16
23	308	329	e295	1590	e152	1740	1370	857	110	94	26	21
24	248	e241	317	e1150	e163	1490	1130	715	98	82	26	34
25	206	e241	471	e846	e167	1160	945	611	89	82	24	43
26	176	224	478	e700	e160	916	818	510	87	88	23	37
27	153	e157	371	e600	e137	785	742	561	83	89	22	33
28	137	139	e320	e500	e142	769	691	691	74	198	21	30
29	125	189	e295	e450	---	857	830	660	68	171	20	28
30	116	231	e270	e380	---	1040	845	1040	62	142	20	28
31	e115	---	e260	e320	---	1220	---	880	---	121	19	---
TOTAL	5003	13127	12585	23921	5035	21263	31740	26212	10199	3538	1389	560.7
MEAN	161	438	406	772	180	686	1058	846	340	114	44.8	18.7
MAX	464	1810	1310	3100	270	1740	1830	2260	1350	333	92	43
MIN	69	139	189	190	137	120	645	294	62	41	19	6.2
CFSM	.54	1.47	1.36	2.59	.60	2.30	3.55	2.84	1.14	.38	.15	.06
IN.	.62	1.64	1.57	2.99	.63	2.65	3.96	3.27	1.27	.44	.17	.07

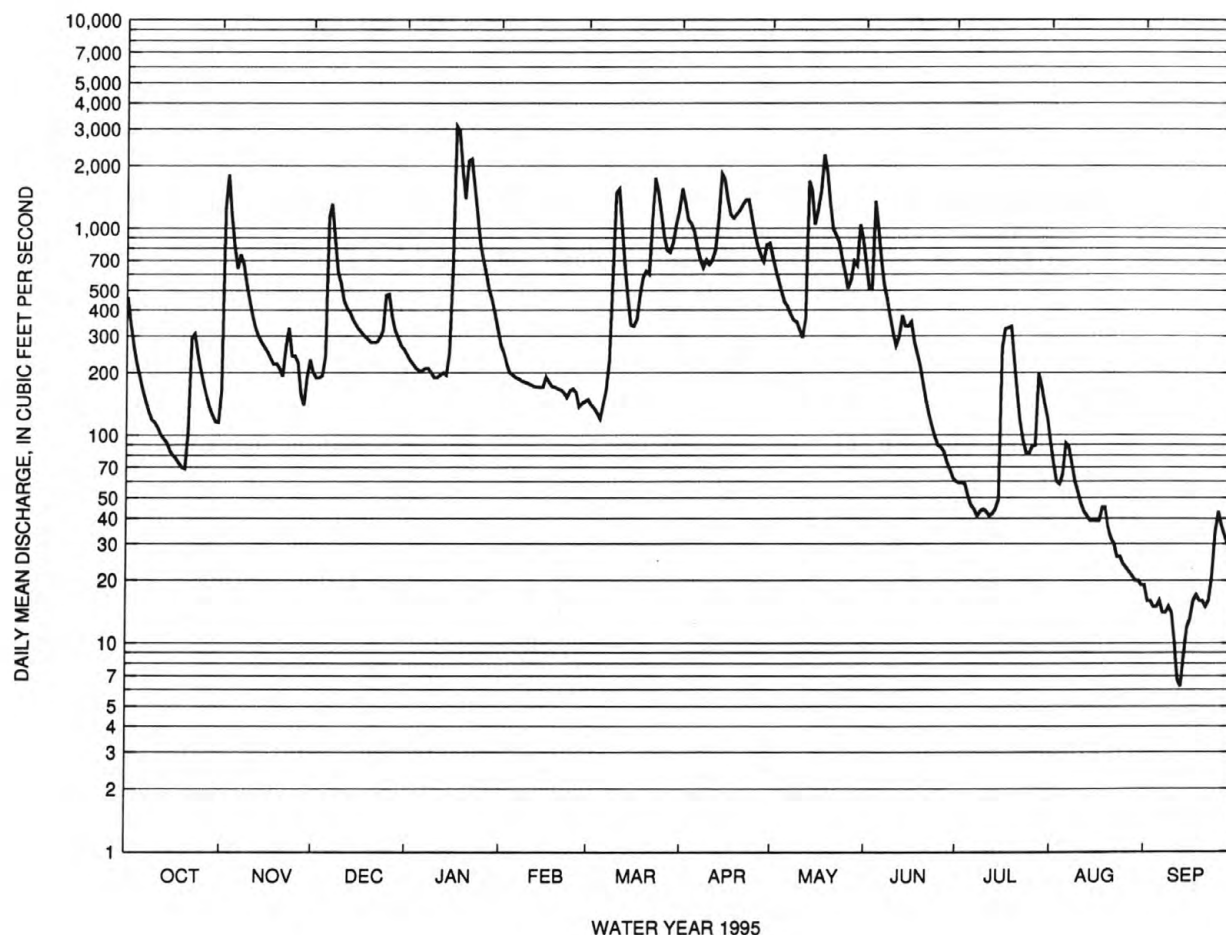
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01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	396	676	544	301	265	589	2081	1289	467	233	177	182
MAX	1910	2468	2699	1125	1582	3791	3459	3399	1916	991	974	1461
(WY)	1978	1964	1974	1978	1970	1936	1983	1969	1917	1973	1917	1954
MIN	35.2	39.0	47.5	61.5	31.2	105	766	286	68.8	42.9	23.2	16.7
(WY)	1948	1911	1979	1918	1980	1967	1981	1903	1921	1965	1978	1948

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1903 - 1995
ANNUAL TOTAL	186037	154572.7	
ANNUAL MEAN	510	423	600
HIGHEST ANNUAL MEAN			990
LOWEST ANNUAL MEAN			238
			1954
			1911
HIGHEST DAILY MEAN	11200	Apr 17	31700
LOWEST DAILY MEAN	20	Sep 23	5.0
ANNUAL SEVEN-DAY MINIMUM	25	Sep 18	10
			Sep 10 1995
INSTANTANEOUS PEAK FLOW		4020	Jan 17
INSTANTANEOUS PEAK STAGE		9.31	Jan 17
INSTANTANEOUS LOW FLOW		6.0	Sep 12
			5.0
			Aug 6 1905
ANNUAL RUNOFF (CFSM)	1.71	1.42	2.01
ANNUAL RUNOFF (INCHES)	23.22	19.30	27.35
10 PERCENT EXCEEDS	1350	1140	1550
50 PERCENT EXCEEDS	207	227	254
90 PERCENT EXCEEDS	56	31	55



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 mi².

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, Dec. 8, 9, 12-24, 27, Dec. 29 to Jan. 16, Jan. 27 to Mar. 8, Mar. 10, and 11, period of doubtful gage-height record, Aug. 28 to Sept. 23, and periods of no gage-height record, Apr. 5 and Apr. 8 to May 2, which are fair. Flow regulated by Sebec Lake 15 mi upstream and other small reservoirs and power plants above station. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1, 1923 reached a stage of 20.8 ft, former site and datum, discharge not determined. Maximum discharge since at least 1923, 85,000 ft³/s, Apr. 1, 1987, gage height 18.65 ft, present datum, from floodmarks, from rating curve extended above 32,000 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,100 ft³/s, Nov. 4, 1966, gage height, 15.58 ft; minimum daily discharge, 99 ft³/s, Oct. 28, 1947, gage height, 1.28 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 18	0615	*10,800	*6.87				

Minimum daily discharge, 112 ft³/s, Sept. 8.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1940	525	936	e1090	e1800	e810	4800	e2860	3000	295	446	e130
2	1630	2070	898	e1070	e1670	e820	4590	e2330	2480	437	368	e124
3	1500	4510	848	e1050	e1600	e800	3960	1920	2220	409	314	e118
4	1350	3600	822	e1020	e1540	e780	3710	1760	3280	340	276	e118
5	1280	2720	902	e1010	e1530	e760	e2930	1640	3490	310	357	e119
6	1180	2200	2280	e990	e1500	e770	2250	1550	2830	306	419	e121
7	1160	2190	3700	e960	e1480	e810	2570	1500	2390	285	375	e115
8	1140	2240	e2980	e910	e1460	e950	e2640	1380	2220	267	485	e112
9	1110	1910	e2320	e900	e1300	1470	e2800	1390	2020	253	484	e119
10	1000	1680	2070	e890	e1100	e2250	e2710	1320	1740	238	400	e121
11	962	1560	1750	e880	e1090	e2950	e2790	1250	1390	235	243	e125
12	933	1390	e1510	e890	e1080	2990	e3020	1320	1180	233	228	e130
13	965	1310	e1370	e890	e1070	2600	e3890	3360	1350	227	222	e136
14	958	1180	e1350	e970	e1060	2300	e5940	4460	1510	233	218	e136
15	938	1090	e1370	e990	e1050	2240	e5630	3620	1700	279	216	e136
16	935	989	e1340	e1800	e1100	2070	e4680	3440	1800	486	218	e141
17	791	937	e1300	5830	e1050	2090	e4090	4510	1650	656	218	e141
18	498	846	e1270	10200	e1020	2200	e3970	5850	1430	879	216	e140
19	497	830	e1240	7480	e1000	2470	e4110	6410	1220	1640	211	e139
20	477	872	e1220	5390	e990	2600	e4300	4960	948	1560	204	e138
21	632	790	e1200	5850	e890	2650	e4530	4050	840	1230	191	e134
22	1040	845	e1190	7080	e850	3290	e4750	3570	749	899	181	e135
23	1330	1060	e1190	5720	e820	4700	e4100	3470	690	518	174	e155
24	1220	935	e1230	4700	e840	4830	e3430	3130	623	433	178	195
25	973	812	1470	3880	e865	4260	e3210	2870	585	392	176	210
26	846	872	1640	3330	e860	3650	e2850	2590	544	352	173	198
27	687	785	e1500	e2740	e810	3210	e2880	2530	502	335	168	194
28	581	790	1380	e2520	e790	3060	e2740	2870	466	388	e155	201
29	526	784	e1200	e2300	---	3180	e3130	2850	431	610	e144	217
30	477	912	e1110	e2130	---	3560	e3170	3650	320	658	e135	279
31	432	---	e1100	e1920	---	4070	---	3660	---	593	e129	---
TOTAL	29988	43234	45686	87380	32215	75190	110170	92070	45598	15976	7922	4477
MEAN	967	1441	1474	2819	1151	2425	3672	2970	1520	515	256	149
MAX	1940	4510	3700	10200	1800	4830	5940	6410	3490	1640	485	279
MIN	432	525	822	880	790	760	2250	1250	320	227	129	112
CFSM	.83	1.24	1.27	2.43	.99	2.09	3.16	2.56	1.31	.44	.22	.13
IN.	.96	1.38	1.46	2.80	1.03	2.41	3.53	2.95	1.46	.51	.25	.14

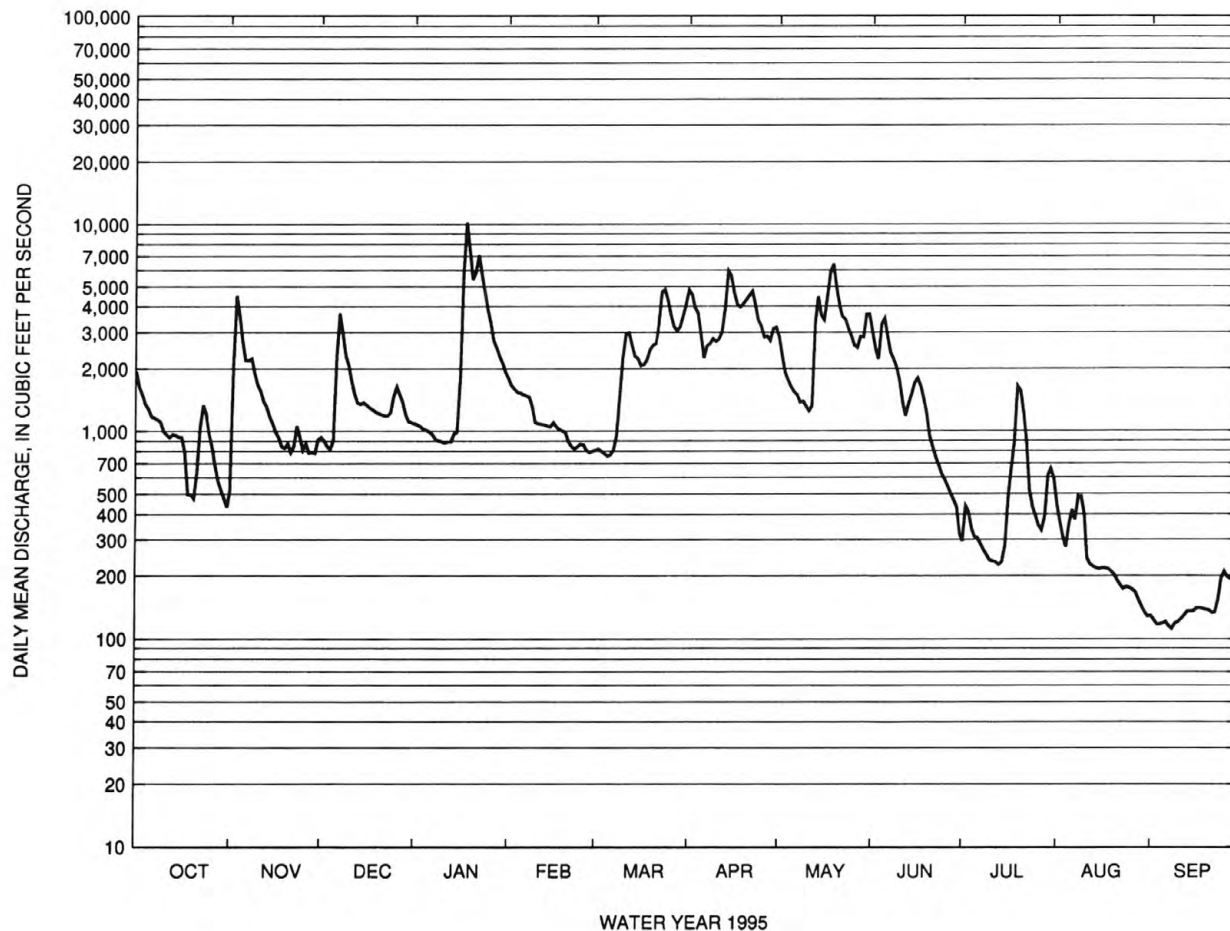
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01034000 PISCATAQUIS RIVER AT MEDFORD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1592	2647	2275	1371	1335	2243	7186	4818	1882	1025	797	928
MAX	6289	7672	11590	4728	5659	14520	12220	10920	4678	4506	3686	5426
(WY)	1978	1964	1974	1978	1970	1936	1993	1969	1931	1973	1954	1954
MIN	276	405	363	339	334	513	2876	1411	623	249	161	149
(WY)	1936	1979	1930	1948	1980	1967	1981	1941	1941	1991	1952	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1924 - 1995
ANNUAL TOTAL	731378	589906	
ANNUAL MEAN	2004	1616	2341
HIGHEST ANNUAL MEAN			3715
LOWEST ANNUAL MEAN			1254
HIGHEST DAILY MEAN	30100	Apr 18	52900
LOWEST DAILY MEAN	160	Sep 4	106
ANNUAL SEVEN-DAY MINIMUM	186	Aug 31	117
INSTANTANEOUS PEAK FLOW		10800	60100
INSTANTANEOUS PEAK STAGE		6.87	15.58
ANNUAL RUNOFF (CFSM)	1.72	1.39	2.01
ANNUAL RUNOFF (INCHES)	23.41	18.89	27.38
10 PERCENT EXCEEDS	5040	3680	5550
50 PERCENT EXCEEDS	1120	1100	1200
90 PERCENT EXCEEDS	386	197	435



01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME

LOCATION.--Lat 45°14'12", long 68°38'56", Penobscot County, Hydrologic Unit 01020005, on left bank 30 ft downstream from highway bridge, 1,000 ft downstream from Piscataquis River, and at West Enfield.

DRAINAGE AREA.--6,671 mi², including 249 mi² drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--Discharge: November 1901 to current year. Daily gage height and monthly discharge only for November 1901 to September 1902. Prior to 1904, published as "at Montague."

Chemical analyses: Water years 1966 to 1978.

Specific conductance: October 1973 to September 1978.

Water temperatures: July 1966 to September 1978.

REVISED RECORDS.--WSP 279: 1902-10. WSP 1171: 1940. WSP 1231: 1902-13. WDR ME-81-1: Drainage area.

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 at same site and datum.

REMARKS.--Records good except for periods of ice effect, Dec. 14-24 and Dec. 29 to Mar. 29, which are fair. Flow regulated by many reservoirs above station. Several observations of water temperature and specific conductance were made during the year. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 153,000 ft³/s, May 1, 1923, gage height, 25.15 ft; minimum daily discharge, 1,630 ft³/s, Oct. 29, 1905, gage height, 1.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 27,700 ft³/s, Apr. 15, gage height, 8.94 ft, maximum gage height, 10.28 ft, Jan. 19, backwater from ice. Discharge may have been slightly greater on Jan. 18 or Jan. 22. Minimum daily discharge, 2,940 ft³/s, Sept. 30.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7420	4350	5870	e5110	e9470	e6000	17900	18200	13200	5080	4720	3080
2	6890	7670	5460	e5580	e9010	e6470	18000	17900	11400	4800	5000	3140
3	6770	13300	5850	e5430	e8630	e6080	17000	15700	10400	4570	3820	3120
4	6240	14700	5860	e5310	e8160	e6040	16400	15100	11300	4630	3430	3130
5	6100	13100	6050	e5340	e7940	e5670	14600	13700	13400	4150	3470	3210
6	6080	11600	8430	e5150	e7320	e6110	13000	12800	12500	4270	3780	3220
7	5830	11100	12200	e5140	e6800	e6370	12100	12200	11000	4030	3670	3280
8	6060	11400	12300	e5270	e6780	e6470	13100	12000	10100	4220	3840	3230
9	6100	10500	11300	e5230	e6400	e7990	12100	12100	9440	3990	3470	3440
10	6090	9700	10300	e5100	e6200	e12000	12400	11500	8640	3830	3550	3100
11	5370	8980	9470	e5230	e6100	e12900	12600	11200	8330	4170	3450	3050
12	5640	8280	8640	e5310	e5980	e11600	13200	11100	7420	3890	3390	3150
13	5630	7600	6830	e5130	e5800	e11100	14400	13200	7360	3850	3410	3270
14	5510	7330	e6450	e5190	e5710	e10800	21100	15500	7730	3770	3330	3170
15	5460	6700	e6350	e5880	e5770	e10700	26500	14400	8140	3770	3360	3270
16	4770	6370	e6310	e7330	e6140	e10600	26400	12900	10100	3940	3440	3220
17	4650	6090	e6290	e16500	e6040	e10600	24700	14000	10800	3840	3370	3270
18	4210	6190	e5880	e25900	e6030	e11000	23800	16000	10000	4330	3470	3260
19	4060	5720	e6120	e23700	e6110	e11500	23900	20700	9340	4910	3620	3400
20	4150	5900	e6210	e22000	e6000	e11700	23900	19700	8140	5460	3590	3150
21	4750	5640	e6240	e24700	e5820	e11900	24500	18100	7580	5100	3420	3070
22	5110	5940	e5770	e26100	e5850	e13700	25100	16300	7180	4760	3530	3170
23	5680	6340	e6260	e23300	e5660	e17600	24800	15800	6730	3760	3570	3210
24	5830	6420	e6240	e20300	e5580	e18300	24000	15000	6420	3640	3480	3220
25	5700	5820	6950	e17600	e5860	e17700	22700	13100	6270	3590	3440	3300
26	5240	6120	7850	e15900	e5890	e16900	21300	12300	6040	3510	3320	3090
27	4710	5600	7200	e14300	e5920	e15700	20100	11900	5720	3670	3280	3250
28	4330	5320	6350	e12800	e5830	e15000	19100	11800	5680	3640	3470	3120
29	4250	5760	e5990	e11600	---	e15100	18700	11800	5330	3690	3210	3070
30	4360	5820	e5290	e10900	---	15700	18800	13800	5130	4380	3700	2940
31	4180	---	e4950	e10200	---	16800	---	14200	---	5030	3190	---
TOTAL	167170	235360	221260	362530	182800	356100	576200	444000	260820	130270	110790	95600
MEAN	5393	7845	7137	11690	6529	11490	19210	14320	8694	4202	3574	3187
MAX	7420	14700	12300	26100	9470	18300	26500	20700	13400	5460	5000	3440
MIN	4060	4350	4950	5100	5580	5670	12100	11100	5130	3510	3190	2940

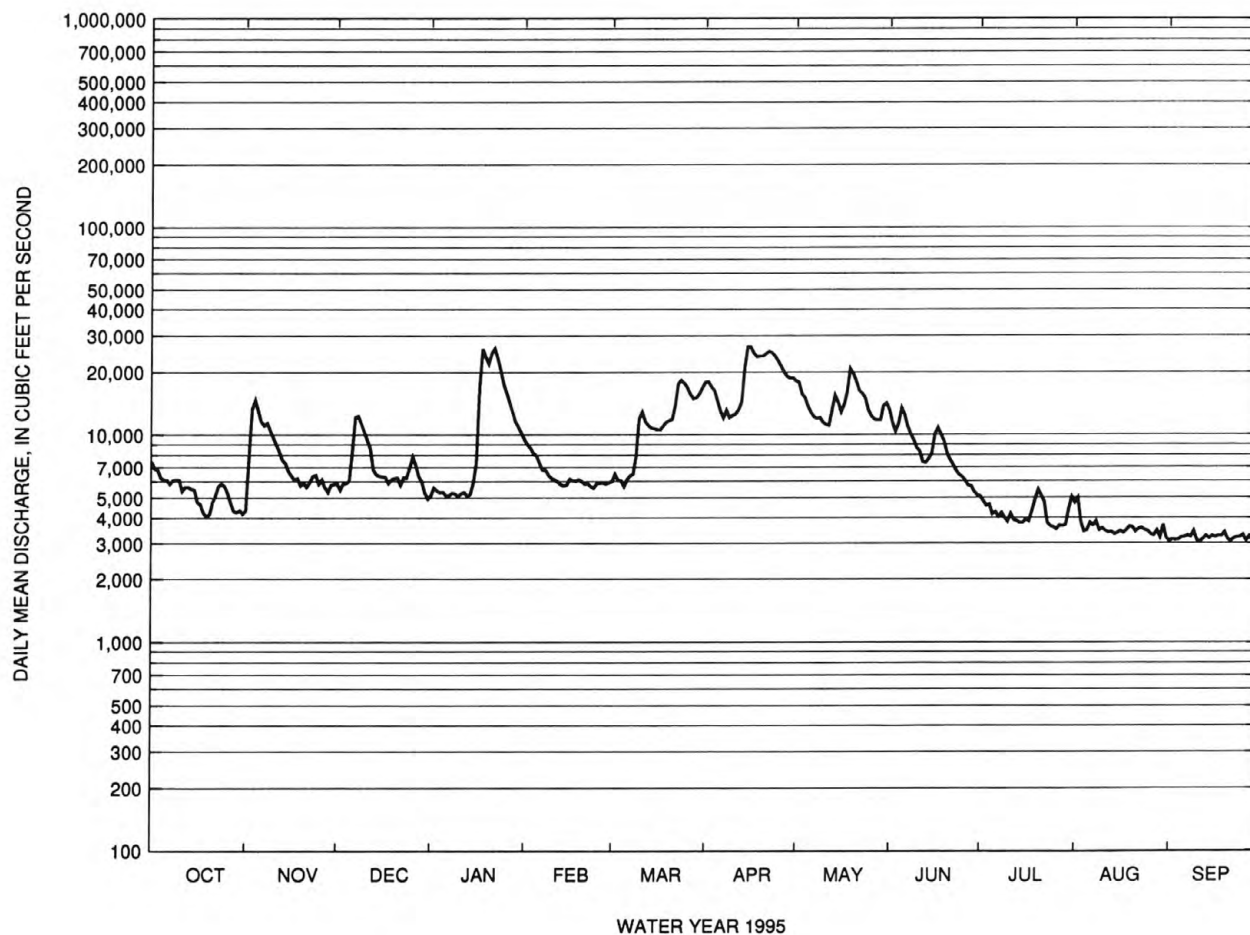
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01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8488	11770	10520	7936	7339	10740	29300	23900	11850	7637	6532	6564
MAX	28330	32430	34680	19620	21960	46110	50510	46430	38660	17570	17460	27130
(WY)	1982	1964	1974	1978	1970	1936	1976	1974	1917	1907	1976	1954
MIN	2255	2629	3411	2890	1799	2449	14490	10090	4079	4028	3375	3187
(WY)	1904	1906	1909	1904	1904	1911	1926	1985	1988	1991	1978	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1903 - 1995	
ANNUAL TOTAL	4156540		3142900			
ANNUAL MEAN	11390		8611		11880	
HIGHEST ANNUAL MEAN					17760	
LOWEST ANNUAL MEAN					6382	
HIGHEST DAILY MEAN	95000		Apr 18		152000	
LOWEST DAILY MEAN	3480		Sep 14		1630	
ANNUAL SEVEN-DAY MINIMUM	4050		Aug 30		1700	
INSTANTANEOUS PEAK FLOW			27700		153000	
INSTANTANEOUS PEAK STAGE			10.28		25.15	
10 PERCENT EXCEEDS	32100		16900		25200	
50 PERCENT EXCEEDS	6950		6120		7780	
90 PERCENT EXCEEDS	4730		3400		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 mi downstream from Veazie Dam at Eddington, on Monument Drive, 750 ft north of intersection with State Highway 178.

DRAINAGE AREA.--7,764 mi², including 249 mi² drained by Chamberlain Lake through Telos Canal.

PERIOD OF RECORD.--April 1979 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 7.20 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for periods of ice effect, Dec. 13-18, Dec. 30 to Jan. 1, Jan. 5-14, and Jan. 29 to Mar. 9, which are fair. Flow regulated by many reservoirs above station (Reservoirs in Penobscot River Basin). Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 159,000 ft³/s, Apr. 3, 1987, gage height, 23.53 ft; minimum daily discharge, 2690 ft³/s, Sept. 7, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,700 ft³/s, Jan. 21, gage height, 9.27 ft; minimum daily discharge, 2,690 ft³/s, Sept. 7.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8570	4870	7730	e6150	e11300	e5900	22400	21500	15900	5510	5220	2880
2	8240	6400	7340	6620	e10600	e6000	23100	21100	14400	5530	5030	3030
3	7790	12600	7350	6830	e10000	e6800	21900	19300	12700	5000	5010	3050
4	7320	17400	7240	6490	e9400	e6350	20800	17500	12200	4890	3550	3010
5	6880	16300	7520	e6500	e8600	e6400	19200	16800	14200	4790	3520	3450
6	6860	14400	9420	e5600	e9000	e6200	14500	15000	15000	4310	3550	3510
7	6690	13500	13400	e6000	e9000	e6250	16900	14600	13500	4190	4460	2690
8	6520	13200	16000	e6050	e7700	e6800	15100	13600	12100	4100	3890	3000
9	6640	12800	14100	e6100	e7400	e8400	15300	13800	10500	4590	3770	3150
10	6710	11900	12900	e6000	e8800	11000	14800	13800	10400	4210	3470	3400
11	6760	11200	12200	e5700	e8800	12700	15000	12900	9970	4280	3580	2950
12	5430	10100	9770	e5300	e7900	14200	15200	12700	9470	4260	3430	2900
13	6140	9380	e8200	e5750	e7600	13800	17300	14500	8220	4020	3420	3050
14	5710	8710	e7200	e5800	e8200	13800	22700	18800	8690	4220	3380	3160
15	5900	8520	e7500	6560	e7700	13600	30800	18500	9820	4610	3290	3280
16	5560	7730	e8000	8270	e7900	13800	32300	17100	11500	4100	3270	3110
17	4900	7040	e8250	11100	e8000	14000	30900	16500	13000	4190	3390	3090
18	4930	7140	e8450	21700	e7800	14300	29300	18700	13000	4650	3170	3420
19	4340	7110	8160	30300	e7600	15100	28500	23900	11700	5410	3490	3210
20	4120	7000	7700	29500	e7700	16600	28700	25200	11000	6300	3460	3420
21	4920	6620	7590	29400	e7300	16700	28600	22900	9530	6460	3550	3200
22	5740	7150	8180	30000	e6600	18900	29000	21000	8800	5690	3310	2860
23	6350	7590	7390	29800	e7000	21900	29400	18800	7980	5050	3520	3480
24	6860	7880	8010	26700	e6700	24800	28700	18400	7600	3990	3590	3090
25	6900	7570	8390	23700	e6900	25100	27500	16400	7170	3780	3450	3310
26	6650	7270	8350	20800	e7200	23800	25700	14800	7060	3870	3250	3350
27	6220	6850	8390	17300	e6400	21600	24100	13900	6420	3620	3300	3070
28	5060	6550	8040	14300	e5900	20100	22900	13400	6570	4160	3090	3460
29	4980	6360	7460	e13100	---	19800	22100	13400	5750	3850	3470	3150
30	4780	7870	e6400	e12600	---	20000	21800	14400	5570	4260	3040	2970
31	4860	---	e5850	e11900	---	21600	---	16600	---	4860	3810	---
TOTAL	189330	279010	272480	421920	225000	446300	694500	529800	309720	142750	112730	94700
MEAN	6107	9300	8790	13610	8036	14400	23150	17090	10320	4605	3636	3157
MAX	8570	17400	16000	30300	11300	25100	32300	25200	15900	6460	5220	3510
MIN	4120	4870	5850	5300	5900	5900	14500	12700	5570	3620	3040	2690

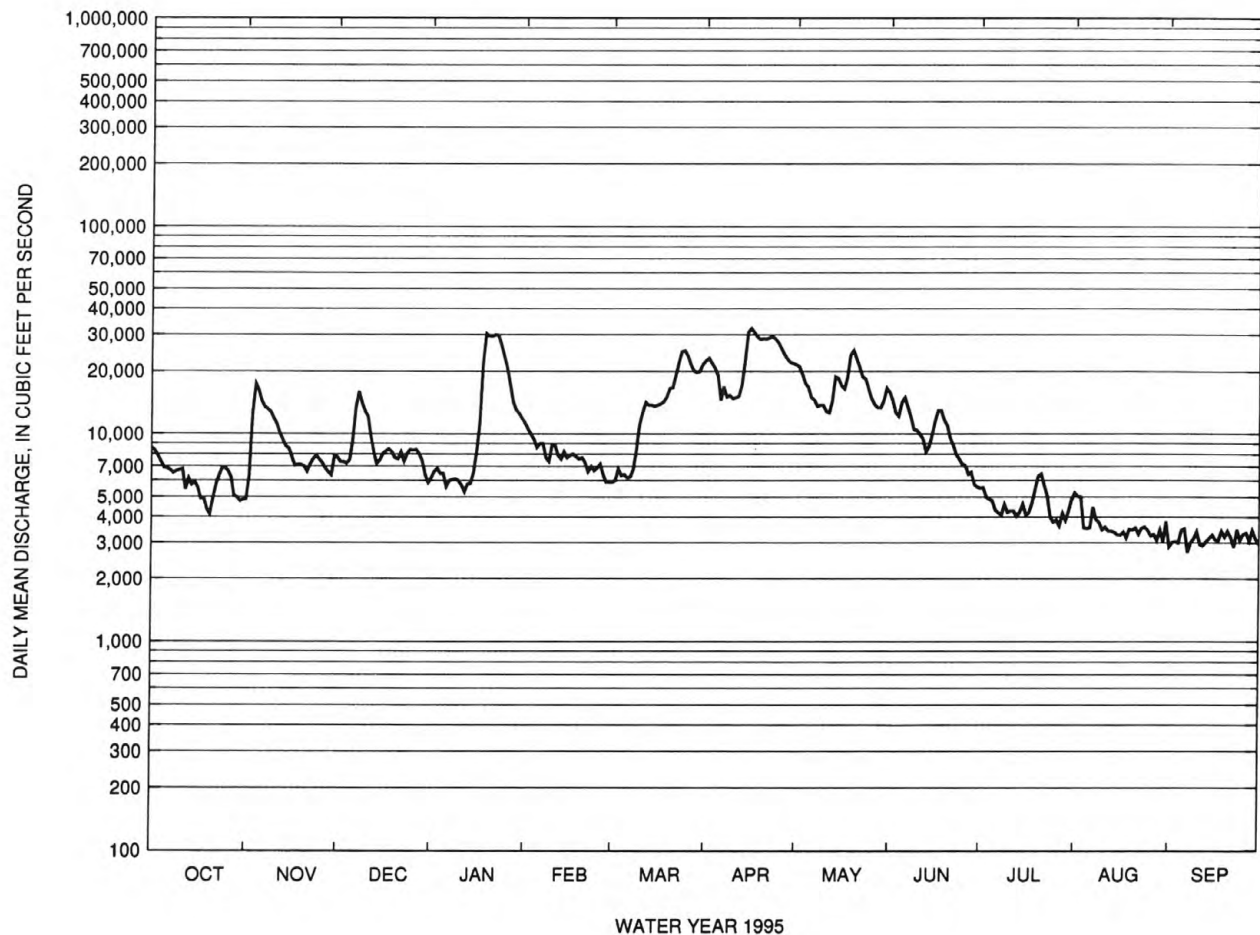
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01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	11500	14760	14130	9456	9202	12870	36610	22250	13190	7545	7584	7807
MAX	34120	27410	33650	13630	17910	24420	54980	39840	42690	15170	12950	21930
(WY)	1982	1982	1984	1982	1981	1983	1983	1979	1984	1984	1986	1981
MIN	6107	6594	6774	5351	4218	6062	17120	12020	4961	4333	3636	3157
(WY)	1995	1985	1985	1993	1993	1993	1985	1985	1988	1991	1995	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1979 - 1995
ANNUAL TOTAL	4815370	3718240	
ANNUAL MEAN	13190	10190	13750
HIGHEST ANNUAL MEAN			20440
LOWEST ANNUAL MEAN			8679
HIGHEST DAILY MEAN	89000	Apr 18	155000
LOWEST DAILY MEAN	3500	Sep 15	2690
ANNUAL SEVEN-DAY MINIMUM	4150	Aug 30	3020
INSTANTANEOUS PEAK FLOW		37700	159000
INSTANTANEOUS PEAK STAGE		9.27	23.53
10 PERCENT EXCEEDS	38600	21600	27700
50 PERCENT EXCEEDS	8300	7590	9400
90 PERCENT EXCEEDS	5020	3420	5350



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 mi².

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

Chemical analyses: Water years 1954-56.

Specific conductance: July 1974 to September 1976.

Water temperatures: 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, Jan. 8-14 and Feb. 5 to Mar. 5, period of doubtful gage-height record, July 26-30, and period of no gage-height record, July 31 to Aug. 28, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,350 ft³/s, Apr. 1, 1987, gage height, 13.71 ft; minimum discharge, 5.0 ft³/s, Oct. 24, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 21	1500	*1,380	*5.56	No other peak greater than base discharge.			

Minimum discharge, 5.6 ft³/s, Sept. 6, 7, gage height, 1.44 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	222	214	311	269	256	e115	518	197	203	56	e31	8.5
2	205	791	297	239	234	e120	458	182	186	44	e28	7.0
3	184	687	290	230	198	e122	416	169	176	43	e29	6.5
4	166	543	283	220	182	e118	419	157	203	39	e30	6.1
5	147	529	326	207	e178	e119	443	146	192	36	e32	6.0
6	130	498	608	208	e178	146	371	137	168	34	e34	5.8
7	116	477	506	211	e166	169	359	125	149	32	e35	5.9
8	105	477	457	e244	e152	205	327	119	148	31	e32	7.0
9	95	375	413	e235	e142	792	309	120	136	30	e28	8.3
10	87	328	396	e218	e137	637	299	112	122	29	e23	8.6
11	78	290	393	e206	e130	580	279	105	111	29	e21	8.4
12	71	260	366	e200	e125	551	262	214	107	29	e21	8.0
13	65	236	320	e195	e120	532	442	416	108	27	e22	7.9
14	62	211	300	e180	e110	527	486	364	101	27	e21	9.3
15	56	192	268	212	e100	510	419	346	197	27	e20	12
16	53	178	244	585	e96	502	395	453	260	26	e17	12
17	52	163	227	855	e98	556	370	449	202	27	e15	12
18	51	153	221	868	e98	686	346	535	187	34	e13	18
19	48	188	220	806	e92	765	327	483	176	37	e12	17
20	45	187	205	779	e90	714	316	431	160	35	e11	16
21	57	169	194	1300	e87	717	297	391	140	32	e9.8	14
22	294	231	186	1160	e85	899	302	378	120	32	e9.2	14
23	239	249	179	968	e80	894	302	343	109	32	e8.7	17
24	197	221	438	850	e88	846	277	304	101	29	e8.3	16
25	184	205	701	732	e110	774	251	279	91	27	e7.7	15
26	178	206	544	605	e120	688	230	254	84	e27	e7.5	14
27	171	197	491	503	e115	618	208	238	76	e28	e8.0	13
28	159	218	455	424	e111	560	203	221	73	e31	e12	11
29	149	342	394	360	---	507	226	213	67	e31	12	9.9
30	139	335	305	314	---	468	212	246	62	e33	12	8.9
31	130	---	304	281	---	497	---	227	---	e36	10	---
TOTAL	3935	9350	10842	14664	3678	15934	10069	8354	4215	1010	580.2	323.1
MEAN	127	312	350	473	131	514	336	269	140	32.6	18.7	10.8
MAX	294	791	701	1300	256	899	518	535	260	56	35	18
MIN	45	153	179	180	80	115	203	105	62	26	7.5	5.8
CFSM	.88	2.15	2.41	3.26	.91	3.54	2.31	1.86	.97	.22	.13	.07
IN.	1.01	2.40	2.78	3.76	.94	4.09	2.58	2.14	1.08	.26	.15	.08

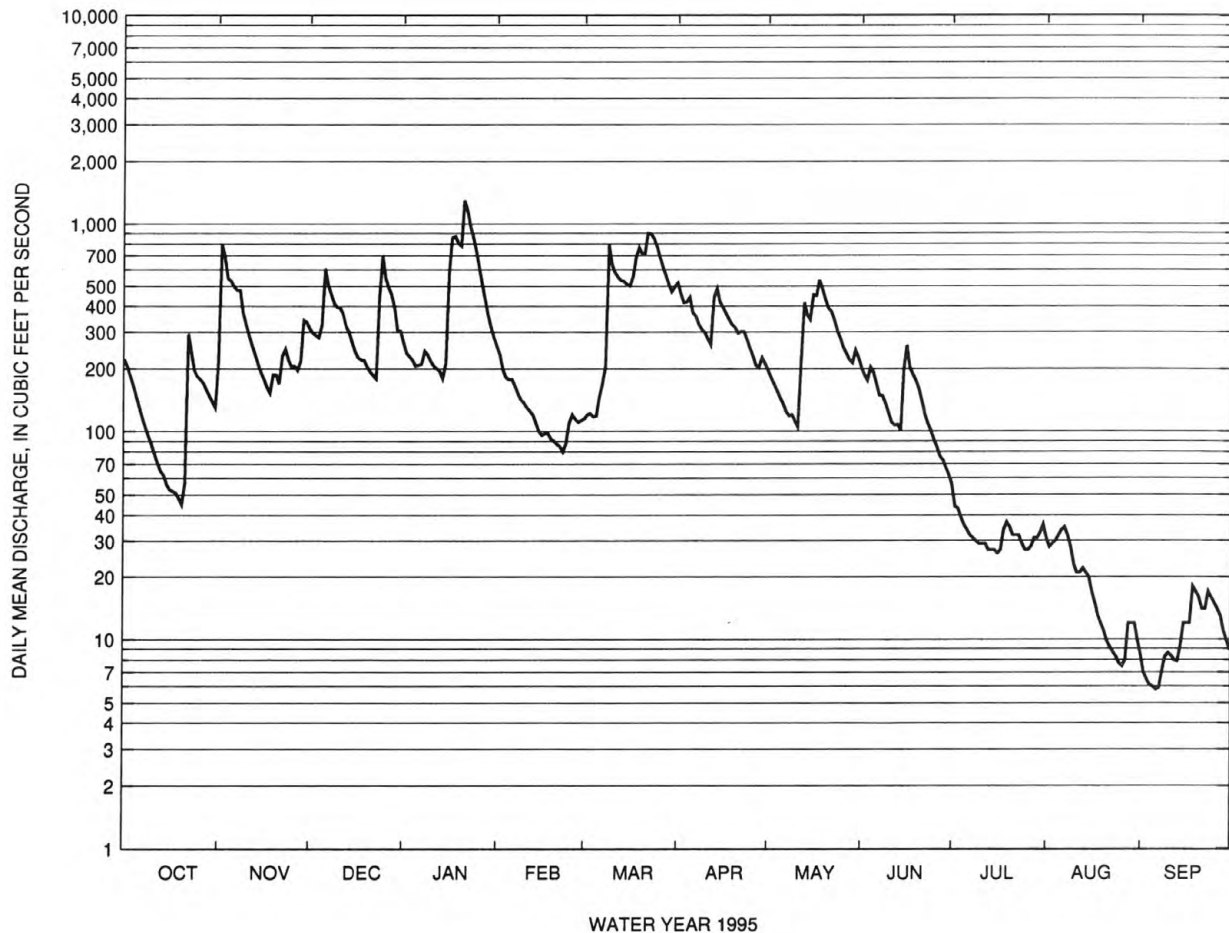
e Estimated

01038000 SHEEPCOT RIVER AT NORTH WHITEFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	88.1	248	327	223	228	435	752	344	166	73.6	49.3	49.8
MAX	658	664	1393	609	922	1103	1333	776	774	466	245	708
(WY)	1978	1991	1974	1952	1970	1979	1940	1989	1984	1973	1976	1954
MIN	6.75	19.0	31.7	28.5	35.8	87.9	255	125	45.1	18.1	13.9	8.64
(WY)	1942	1972	1979	1948	1948	1967	1985	1985	1985	1965	1965	1957

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1939 - 1995	
ANNUAL TOTAL	97337		82954.3			
ANNUAL MEAN	267		227		248	
HIGHEST ANNUAL MEAN					427	
LOWEST ANNUAL MEAN					115	
HIGHEST DAILY MEAN	1450		1300		6690	
LOWEST DAILY MEAN	10		5.8		5.1	
ANNUAL SEVEN-DAY MINIMUM	16		6.3		5.5	
INSTANTANEOUS PEAK FLOW			1380		7350	
INSTANTANEOUS PEAK STAGE			5.56		13.71	
INSTANTANEOUS LOW FLOW			5.6		5.0	
ANNUAL RUNOFF (CFSM)	1.84		1.57		1.71	
ANNUAL RUNOFF (INCHES)	24.97		21.28		23.26	
10 PERCENT EXCEEDS	566		528		624	
50 PERCENT EXCEEDS	166		179		130	
90 PERCENT EXCEEDS	26		14		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 mi².

PERIOD OF RECORD.---Discharge: October 1901 to current year. Prior to Oct. 1903 monthly discharge only, published in WSP 1302.
Chemical analyses: Water years 1952-53.

REVISED RECORDS.---WSP 1231: 1902-04, 1906-08, 1912, 1914, 1919-20(M), 1923(M), 1926(M), 1928-29(M), 1936(M), 1938(M). WSP 1301: 1928-35 (adjusted monthly runoff). WDR ME-82-1: Drainage area.

GAGE.---Water-stage recorder. Datum of gage is 569.03 ft above National Geodetic Vertical Datum of 1929. Prior to June 21, 1912, nonrecording gage, and June 21, 1912, to Oct. 17, 1919, water-stage recorder and nonrecording gage at highway bridge 0.4 mi downstream at different datum.

REMARKS.---No estimated daily discharges. Records excellent. Flow regulated by Moosehead Lake (station 01040500), Brassua Lake, and Indian Pond. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.---Maximum discharge, 30,300 ft³/s, June 1, 1984, gage height, 13.78 ft; minimum daily discharge, 161 ft³/s, Aug. 30, 1987.

EXTREMES FOR CURRENT YEAR.---Maximum discharge, 9,290 ft³/s, Nov. 21, gage height, 6.53 ft; minimum daily discharge, 306 ft³/s, Oct. 23.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

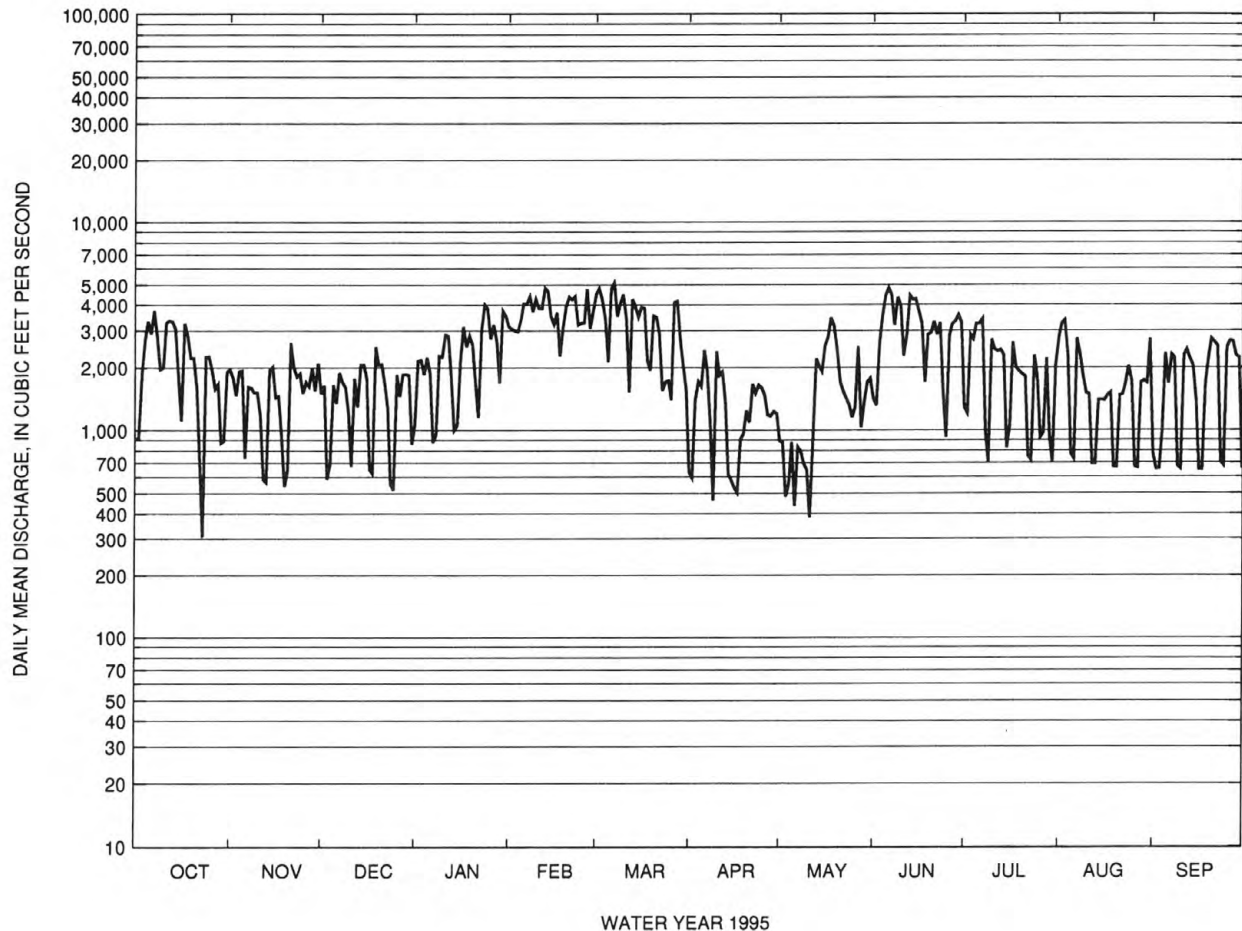
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	909	1950	1500	1060	3140	4520	632	894	1420	1290	2770	777
2	921	1790	1650	2160	3070	4790	594	873	1320	1210	3270	653
3	1860	1470	585	2180	3010	4230	1390	482	2580	2870	3370	656
4	2680	1920	690	1860	2980	3440	1710	552	3530	2740	2300	998
5	3340	1930	1660	2240	3390	2130	1630	874	4430	3240	775	2350
6	2910	737	1350	1880	4050	4770	2430	434	4810	3240	731	1670
7	3740	1620	1890	874	4040	5120	1930	830	4470	3430	2760	2310
8	2850	1600	1710	959	4390	3520	1090	794	3190	992	2330	2230
9	1960	1520	1610	2280	3710	4070	463	690	4350	704	1820	672
10	2000	1520	1210	2260	4260	4490	2400	648	3970	2730	1510	654
11	3290	1180	674	2870	3860	3450	1830	382	2280	2450	1490	2290
12	3360	583	1780	2830	3840	1530	1910	911	2850	2400	691	2440
13	3330	565	1300	1810	4820	4260	1370	2210	4430	2440	689	2210
14	3050	1940	2070	1000	4670	3950	619	2030	4240	2290	1400	2050
15	1770	2020	2070	1060	3520	3490	578	1910	4270	823	1400	1400
16	1110	1440	1780	2190	3230	3890	531	2550	3700	1060	1390	648
17	3260	1460	652	3140	3670	3850	504	2800	3240	2640	1470	648
18	2840	941	624	2530	2280	2170	905	3470	1700	2000	1520	1660
19	2230	540	2530	2840	3100	1940	960	3160	2870	1920	668	2230
20	2230	650	2070	2570	3920	3540	1240	2450	2920	1860	665	2750
21	1610	2640	2080	1710	4360	3480	1090	1720	3330	1810	1470	2650
22	714	2000	1680	1150	4260	2890	1670	1550	2870	753	1480	2540
23	306	1810	1280	3050	4400	1550	1510	1430	3280	721	1690	707
24	2260	1870	556	4000	3210	1710	1650	1330	1530	2290	2030	679
25	2270	1510	518	3840	3270	1730	1600	1150	926	1770	1720	2500
26	1940	1700	1850	2750	3280	1400	1470	1290	2820	922	668	2680
27	1580	1630	1460	3210	4760	4110	1190	2530	3230	976	661	2670
28	1670	1990	1850	2670	3080	4160	1170	1030	3330	2220	1690	2290
29	870	1550	1860	1690	---	2690	1230	1370	3560	933	1730	2230
30	892	2110	1840	3720	---	2050	1200	1700	3290	702	1690	656
31	1910	---	858	3530	---	1560	---	1770	---	2060	2750	---
TOTAL	65662	46186	45237	71913	103570	100480	38496	45814	94736	57486	50598	50898
MEAN	2118	1540	1459	2320	3699	3241	1283	1478	3158	1854	1632	1697
MAX	3740	2640	2530	4000	4820	5120	2430	3470	4810	3430	3370	2750
MIN	306	540	518	874	2280	1400	463	382	926	702	661	648

01042500 KENNEBEC RIVER AT THE FORKS, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1961	1789	2054	2300	2498	2271	2873	4712	3346	2623	2440	2247
MAX	6298	5317	8142	5569	5140	5202	9487	13520	10370	6002	4740	5511
(WY)	1955	1908	1974	1970	1963	1963	1983	1974	1917	1917	1917	1954
MIN	864	487	655	669	522	466	859	699	664	775	1083	1053
(WY)	1906	1912	1909	1904	1904	1906	1980	1980	1988	1988	1987	1987

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR			FOR 1995 WATER YEAR			WATER YEARS 1904 - 1995		
ANNUAL TOTAL	1000097			771076					
ANNUAL MEAN	2740			2113			2594		
HIGHEST ANNUAL MEAN							4380		
LOWEST ANNUAL MEAN							1516		
HIGHEST DAILY MEAN	10400			May 10			5120		
LOWEST DAILY MEAN	306			Oct 23			306		
ANNUAL SEVEN-DAY MINIMUM	1040			Mar 30			665		
INSTANTANEOUS PEAK FLOW							9290		
INSTANTANEOUS PEAK STAGE							6.53		
10 PERCENT EXCEEDS	4220						3780		
50 PERCENT EXCEEDS	2440						1910		
90 PERCENT EXCEEDS	968						690		



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 mi².

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 excellent. Flow regulated by Moosehead Lake (station 01040500), Indian Pond, and Brassua, Flagstaff, and Wyman Lakes. Considerable diurnal fluctuation caused by powerplant above station. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,200 ft³/s, June 1, 1984, gage height, 15.61 ft; minimum daily discharge, 110 ft³/s, Dec. 25, 1947.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13,100 ft³/s, May 13, gage height, 9.98 ft; minimum daily discharge, 1,520 ft³/s, Nov. 24.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

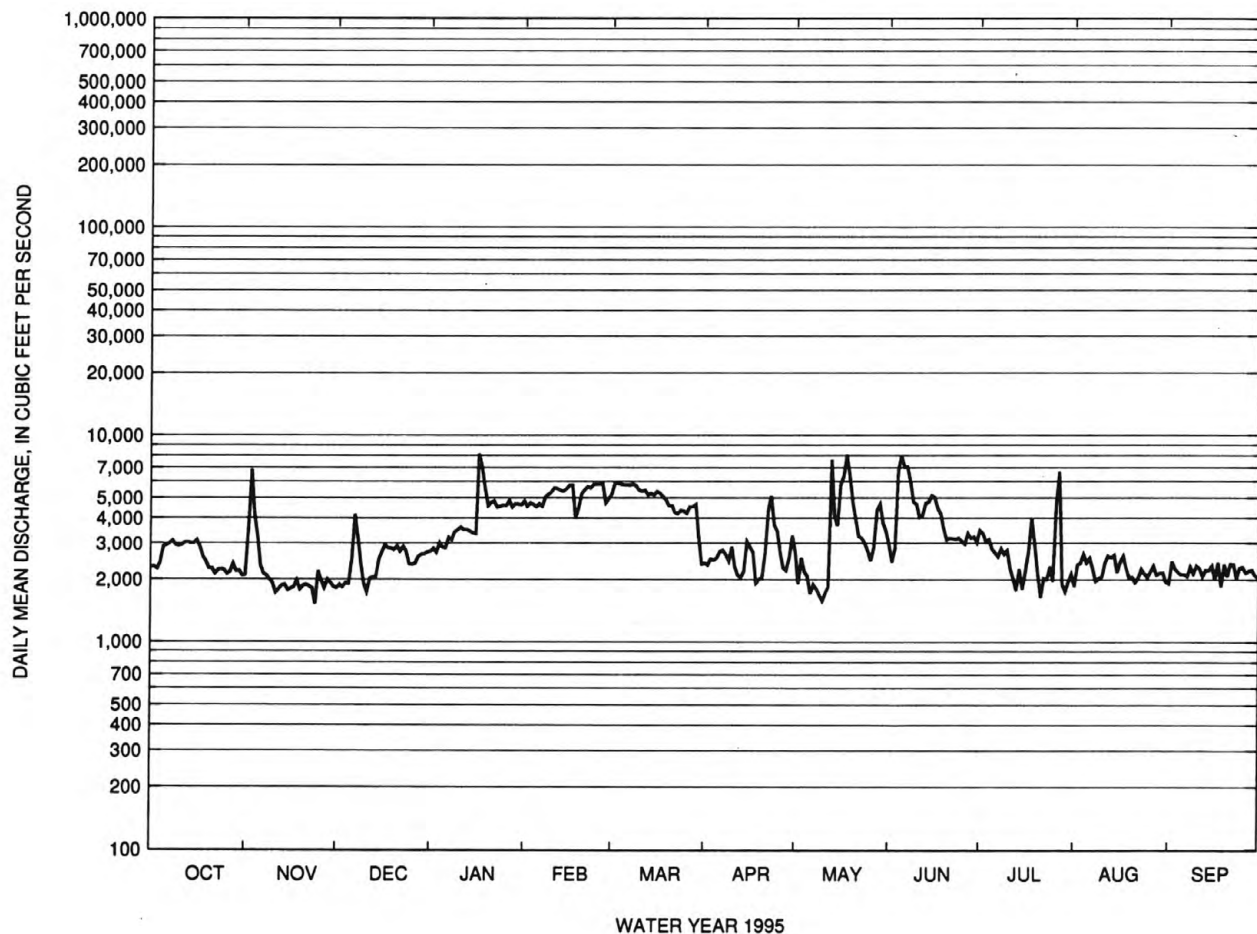
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2300	2100	1820	2730	4820	5200	2400	2730	2940	3480	1860	1920
2	2310	3620	1890	2820	4550	5870	2350	1910	2440	3360	2360	2450
3	2250	6870	1840	2700	4710	5870	2510	2540	2820	3050	2400	2250
4	2410	4090	1920	3010	4650	5830	2480	2190	6750	3130	2650	2180
5	2890	3300	1910	2870	4530	5780	2540	2090	7990	2810	2410	2120
6	2940	2330	2490	2850	4680	5780	2730	1720	7050	2700	2550	2120
7	3000	2140	4150	3200	4550	5750	2770	1890	7070	2590	2270	2080
8	3090	2090	3230	3110	5060	5830	2640	1810	6000	2820	1970	2310
9	2950	2000	2380	3420	5190	5720	2460	1690	4770	2650	2030	2150
10	2910	1920	1910	3500	5320	5450	2870	1580	4650	2770	2070	2330
11	2950	1730	1740	3610	5590	5360	2310	1730	4030	2270	2400	2270
12	3030	1800	2020	3500	5530	5430	2110	1850	4110	2020	2600	2080
13	3040	1870	2050	3510	5410	5170	2050	7640	4700	1780	2560	2230
14	3000	1890	2060	3450	5370	5240	2200	4110	4770	2250	2630	2220
15	3010	1780	2490	3370	5530	5160	3060	3670	5130	1800	2170	2340
16	3110	1810	2710	3340	5740	5360	2880	5830	5040	2220	2430	2010
17	2890	1840	2940	8140	5740	5250	2700	6370	4440	2720	2600	2420
18	2570	1980	2840	7010	3980	5080	1920	8040	4190	4000	2270	1860
19	2430	1790	2830	5520	4430	4880	2010	6470	3550	2960	2050	2370
20	2260	1870	2780	4570	5220	4570	2040	4770	3120	2140	2070	2070
21	2260	1890	2910	4730	5460	4570	2650	3930	3170	1650	1940	2380
22	2130	1860	2730	4810	5650	4250	4410	3250	3150	2030	2050	2370
23	2230	1810	2890	4510	5570	4200	5110	3170	3130	2010	2250	2030
24	2240	1520	2730	4550	5800	4350	3700	3000	3180	2310	2150	2280
25	2220	2200	2370	4600	5820	4320	3440	2750	3060	1970	2050	2300
26	2120	1980	2360	4580	5800	4220	2690	2470	2980	4660	2200	2160
27	2180	1820	2390	4840	5860	4530	2280	2850	3350	6680	2330	2210
28	2380	2000	2570	4510	4710	4530	2220	4370	3180	1900	2110	2230
29	2200	1930	2640	4680	---	4650	2560	4660	3220	1760	2160	2100
30	2210	1850	2650	4660	---	3230	3260	3790	3030	1950	2170	2060
31	2090	---	2710	4610	---	2370	---	3440	---	2130	1960	---
TOTAL	79600	67680	76950	127310	145270	153800	81350	108310	127010	82570	69720	65900
MEAN	2568	2256	2482	4107	5188	4961	2712	3494	4234	2664	2249	2197
MAX	3110	6870	4150	8140	5860	5870	5110	8040	7990	6680	2650	2450
MIN	2090	1520	1740	2700	3980	2370	1920	1580	2440	1650	1860	1860

01046500 KENNEBEC RIVER AT BINGHAM, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3402	3529	3530	3562	3735	4150	7168	9073	4880	3518	3287	3275
MAX	9319	9740	12510	7684	6783	15070	16080	22160	13600	7098	6428	10140
(WY)	1955	1908	1974	1970	1970	1936	1983	1974	1984	1973	1976	1954
MIN	1122	744	749	1070	1624	1525	2627	2192	1638	1954	2249	1829
(WY)	1909	1909	1909	1909	1972	1985	1981	1980	1988	1988	1995	1987

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1908 - 1995
ANNUAL TOTAL	1608640	1185470	
ANNUAL MEAN	4407	3248	4428
HIGHEST ANNUAL MEAN			7163
LOWEST ANNUAL MEAN			2613
			1974
			1980
HIGHEST DAILY MEAN	27700	Apr 17	8140
LOWEST DAILY MEAN	1520	Nov 24	1520
ANNUAL SEVEN-DAY MINIMUM	1820	Nov 11	1750
			May 6
INSTANTANEOUS PEAK FLOW		13100	May 13
INSTANTANEOUS PEAK STAGE		9.98	May 13
			15.61
			Jun 1 1984
			Jun 1 1984
10 PERCENT EXCEEDS	6740	5440	7550
50 PERCENT EXCEEDS	3810	2730	3450
90 PERCENT EXCEEDS	1980	1920	2170



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 mi².

PERIOD OF RECORD.--Discharge: November and December 1901, June 1902 to April 1907, August 1925 to current year. Monthly discharge only for some periods, 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.

GAGE.--Water-stage recorder. Datum of gage is 302.9 ft, revised, above National Geodetic Vertical Datum of 1929. Nov. 1, 1901 to May 5, 1907, nonrecording gage 1 mi upstream at different datum.

REMARKS.--Records good except for periods of ice effect, Dec. 11 to Jan. 16 and Jan. 25 to Mar. 22, and periods of doubtful gage-height record, May 1-11 and June 20-29, which are fair. Some minor regulation at low flows by mills above station. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50,700 ft³/s, Apr. 1, 1987, gage height, 26.66 ft, from rating extended above 27,000 ft³/s on basis of slope-area measurements; maximum gage height, 27.78 ft, Feb. 21, 1978 (ice jam); minimum discharge, 18 ft³/s, Oct. 29, 1929, gage height, 2.02 ft, caused by unusual regulation.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 2	2100	6,310	9.26	Jan. 21	1230	*9,370	*11.11
Jan. 17	1300	9,150	10.97	May 13	1045	7,030	9.70

Minimum discharge, 39 ft³/s, Sept. 8 and 9, gage height, 2.32 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	399	131	299	e303	e446	e227	1510	e990	776	134	132	46
2	323	1880	283	e285	e417	e223	1340	e875	622	406	105	46
3	277	2490	282	e273	e395	e221	1200	e770	554	267	92	45
4	252	1330	289	e260	e375	e219	1170	e695	1210	154	94	43
5	235	938	353	e251	e353	e218	1100	e630	964	116	114	42
6	221	728	1530	e245	e335	e226	927	e570	727	97	116	41
7	211	731	1370	e239	e322	e248	897	e520	608	87	108	40
8	201	676	1050	e233	e315	e275	847	e475	545	231	96	39
9	195	571	716	e229	e303	e560	870	e440	474	275	84	41
10	195	496	626	e225	e296	e610	879	e411	404	280	77	44
11	197	424	e497	e220	e289	e620	903	e390	364	212	120	48
12	189	362	e424	e219	e282	e570	970	1010	391	183	121	47
13	180	338	e355	e218	e275	e510	1070	5420	464	181	79	45
14	175	323	e326	e216	e268	e485	1630	3040	401	165	75	45
15	170	313	e305	e258	e262	e570	1630	1880	387	155	72	47
16	165	302	e288	e914	e263	e670	1480	3030	368	160	82	51
17	162	285	e277	6470	e262	e840	1310	2270	323	169	84	51
18	159	276	e269	6600	e261	e1070	1230	3190	296	539	70	49
19	158	276	e260	4650	e258	e1300	1320	2280	272	523	61	52
20	137	269	e251	3410	e250	e1400	1410	1670	e231	322	57	50
21	138	254	e244	4400	e247	e1420	1570	1220	e207	240	55	47
22	234	309	e240	2570	e244	e1950	1800	1010	e187	219	52	48
23	270	393	e270	1970	e242	2780	1890	951	e168	205	50	98
24	244	293	e290	1520	e241	2660	1610	814	e151	207	49	147
25	217	308	e960	e1150	e252	2220	1400	736	e137	231	49	85
26	201	250	e1000	e960	e242	1780	1260	643	e126	195	49	68
27	191	256	e735	e770	e235	1310	1150	699	e113	213	49	67
28	179	206	e580	e670	e229	1100	1080	784	e103	168	48	69
29	177	256	e460	e590	---	1150	1120	746	e95	262	46	63
30	155	383	e370	e535	---	1320	1110	1160	88	293	46	58
31	115	---	e328	e482	---	1400	---	999	---	185	44	---
TOTAL	6322	16047	15527	41335	8159	30152	37683	40318	11756	7074	2376	1662
MEAN	204	535	501	1333	291	973	1256	1301	392	228	76.6	55.4
MAX	399	2490	1530	6600	446	2780	1890	5420	1210	539	132	147
MIN	115	131	240	216	229	218	847	390	88	87	44	39
CFSM	.58	1.52	1.42	3.78	.83	2.76	3.56	3.68	1.11	.65	.22	.16
IN.	.67	1.69	1.64	4.36	.86	3.18	3.97	4.25	1.24	.75	.25	.18

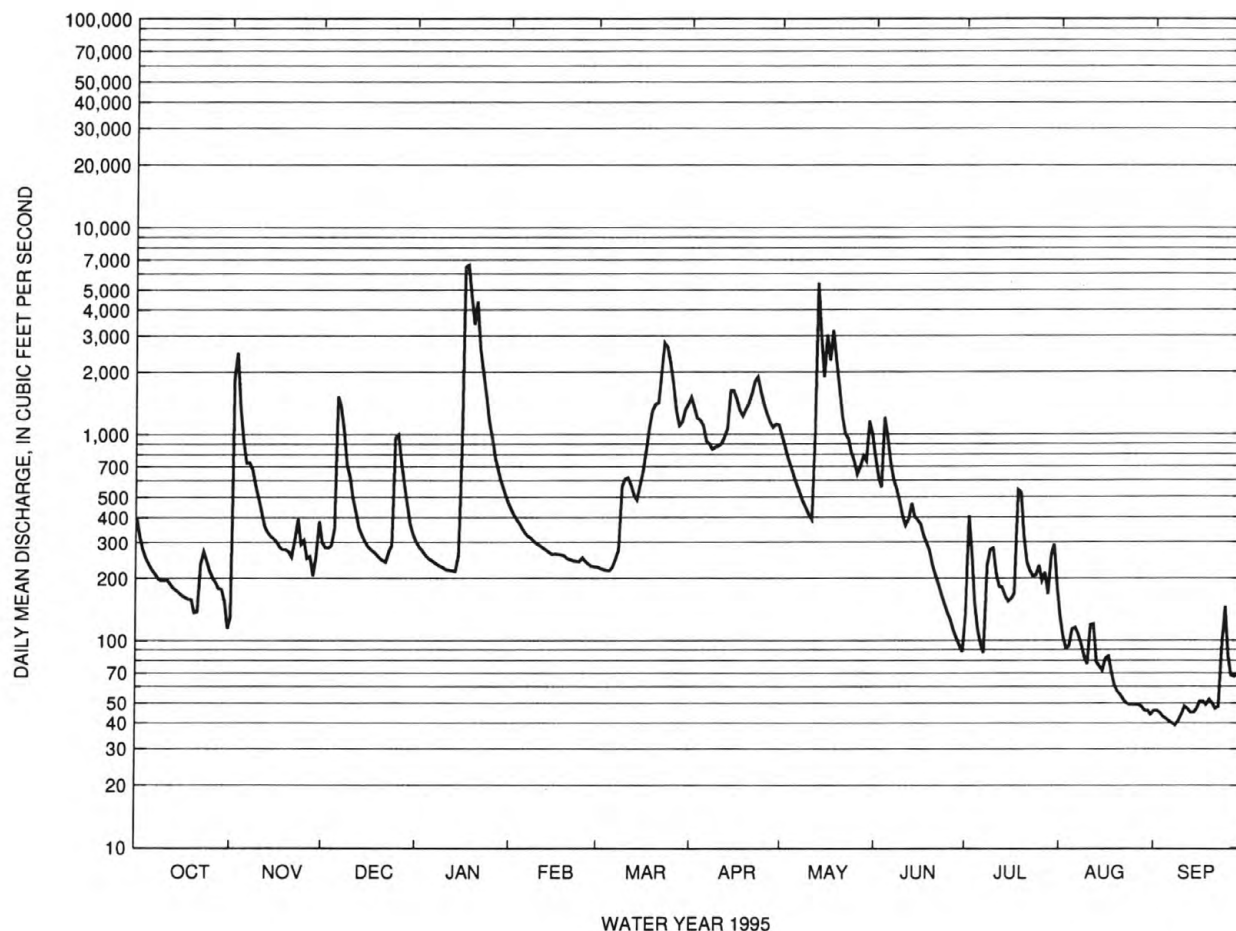
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01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	492	760	604	365	322	817	2335	1588	590	300	225	235
MAX	2606	2492	3565	1617	1922	4750	4009	3694	1844	1229	1124	1768
(WY)	1978	1964	1974	1978	1970	1936	1993	1972	1984	1976	1976	1954
MIN	63.1	92.4	58.9	78.1	60.1	120	802	456	159	88.5	63.7	44.0
(WY)	1948	1979	1979	1948	1948	1956	1981	1941	1964	1971	1949	1948

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1903 - 1995
ANNUAL TOTAL	258503	218411	
ANNUAL MEAN	708	598	720
HIGHEST ANNUAL MEAN			1193
LOWEST ANNUAL MEAN			333
			1974
			1941
HIGHEST DAILY MEAN	10700	Apr 17	6600 Jan 18
LOWEST DAILY MEAN	57	Sep 22	39 Sep 8
ANNUAL SEVEN-DAY MINIMUM	67	Aug 30	41 Sep 4
			36000 Apr 1 1987
			27 Aug 28 1949
			32 Aug 22 1949
INSTANTANEOUS PEAK FLOW		9370	Jan 21
INSTANTANEOUS PEAK STAGE		11.11	Jan 21
INSTANTANEOUS LOW FLOW		39	Sep 8
			50700 Apr 1 1987
			27.78 Feb 21 1978
			18 Oct 29 1929
ANNUAL RUNOFF (CFSM)	2.01	1.70	2.04
ANNUAL RUNOFF (INCHES)	27.24	23.02	27.71
10 PERCENT EXCEEDS	1710	1400	1740
50 PERCENT EXCEEDS	319	282	310
90 PERCENT EXCEEDS	112	62	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 mi².

PERIOD OF RECORD.--Discharge: November 1928 to September 1979, June 1987 to current year.
Chemical analyses: Water year 1954.

REVISED RECORDS.--WSP 756: 1933. WSP 1231: 1936(M). 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, Dec. 12 to Jan. 17 and Jan. 25 to Mar. 24, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 38,600 ft³/s, Mar. 19, 1936, gage height, 16.75 ft, from rating curve extended above 15,000 ft³/s on basis of records at nearby stations and slope-area measurement at gage-height 19.25 ft; maximum gage height, 18.89 ft, Feb. 12, 1979, from floodmark (backwater from ice); minimum discharge, 32 ft³/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 ft³/s, from rating curve extended as explained above.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 17	0530	Ice Jam	*8.80	May 13	2000	*5,410	7.38

Minimum discharge, 39 ft³/s, Sept. 10 and 11, gage height, 2.36 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	389	162	365	e403	e560	e317	2300	961	886	121	221	50
2	305	999	327	e382	e580	e315	1850	859	686	788	171	50
3	249	2920	310	e364	e525	e312	1580	792	580	582	146	49
4	211	1380	316	e347	e493	e311	1530	751	847	303	134	48
5	187	957	409	e337	e475	e310	1450	699	938	210	130	48
6	169	735	1760	e330	e458	e317	1050	659	670	167	147	47
7	157	718	1900	e321	e445	e339	1170	613	568	143	147	45
8	148	727	1490	e315	e434	e405	1080	551	524	131	147	45
9	152	596	1030	e311	e421	e1240	1100	511	491	262	131	42
10	147	507	834	e308	e413	e1730	1070	488	426	416	113	41
11	138	435	656	e305	e405	e1640	1050	470	372	261	101	40
12	135	376	e495	e303	e397	e1500	1090	775	382	198	94	40
13	131	342	e430	e298	e390	e1350	1380	4400	492	225	88	42
14	123	320	e398	e295	e383	e1200	2180	3170	466	185	88	42
15	118	302	e370	e368	e377	e1130	1760	1930	634	155	92	43
16	113	288	e350	e1440	e368	e1150	1420	3630	663	137	86	42
17	111	274	e338	e3780	e373	e1350	1230	2980	499	152	83	44
18	109	258	e332	3540	e379	e1730	1150	3610	405	664	89	47
19	106	255	e327	2160	e371	e2050	1180	2820	355	1040	79	47
20	105	253	e322	1640	e380	e2020	1260	1970	308	538	71	44
21	126	241	e318	3290	e370	e1880	1310	1540	267	344	65	44
22	226	334	e314	3250	e358	e2500	1620	1510	233	269	60	46
23	294	486	e381	2170	e350	e3360	1780	1450	209	230	57	54
24	248	395	e479	1690	e347	e2600	1380	1190	191	204	54	65
25	208	332	e1150	e1270	e360	2080	1160	1070	175	288	50	112
26	185	309	e1620	e1070	e350	1730	1020	923	163	261	49	89
27	170	281	e980	e858	e330	1600	952	838	151	227	48	73
28	160	260	e732	e740	e322	1770	904	886	140	288	47	66
29	152	270	e600	e673	---	1860	999	822	130	230	46	67
30	146	327	e466	e620	---	2090	1010	1140	124	349	45	68
31	144	---	e425	e590	---	2160	---	1210	---	305	49	---
TOTAL	5362	16039	20224	33768	11414	44346	40015	45218	12975	9673	2928	1580
MEAN	173	535	652	1089	408	1431	1334	1459	432	312	94.5	52.7
MAX	389	2920	1900	3780	580	3360	2300	4400	938	1040	221	112
MIN	105	162	310	295	322	310	904	470	124	121	45	40
CFSM	.34	1.04	1.26	2.11	.79	2.77	2.58	2.83	.84	.60	.18	.10
IN.	.39	1.16	1.46	2.43	.82	3.20	2.88	3.26	.94	.70	.21	.11

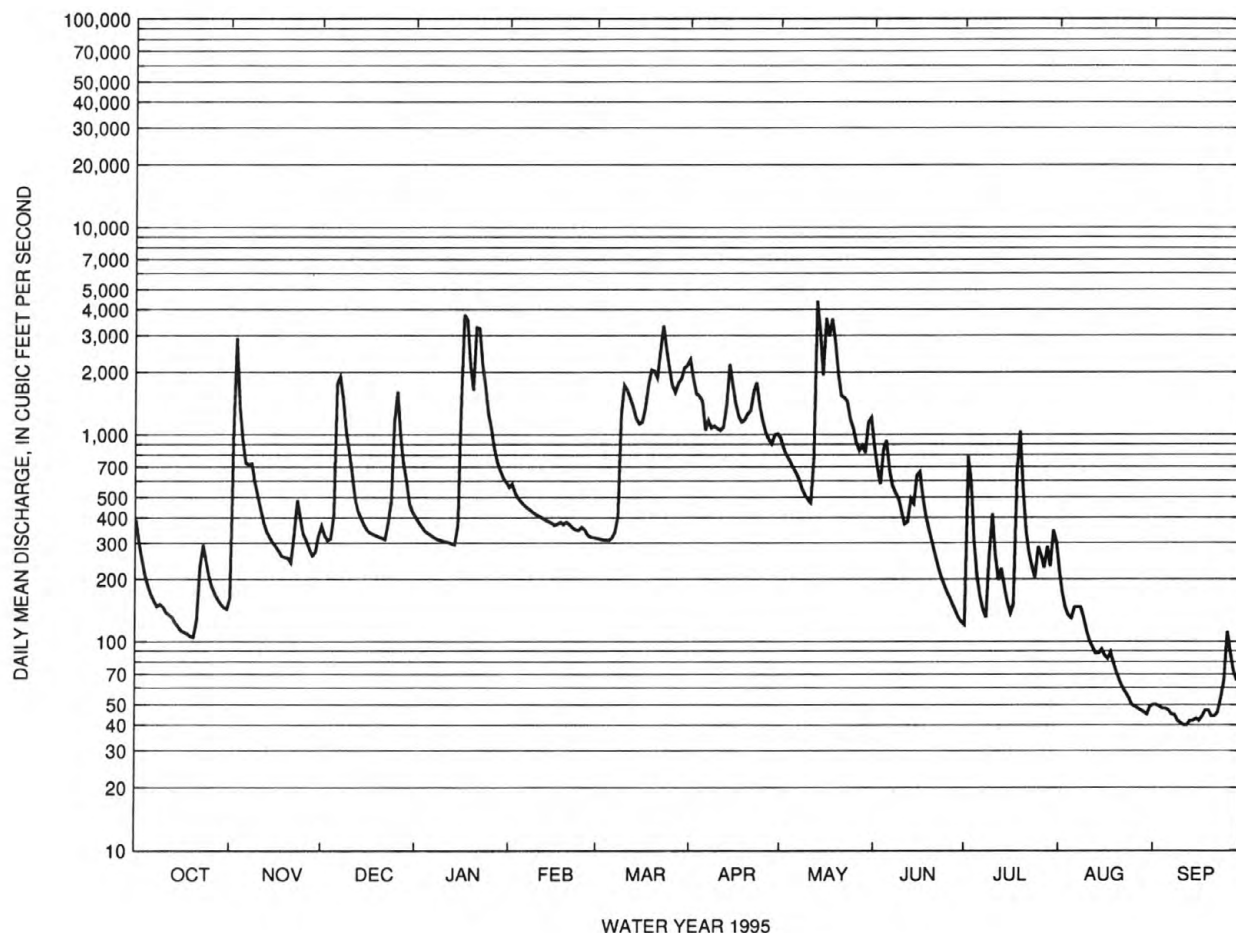
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01048000 SANDY RIVER NEAR MERCER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	553	950	834	537	487	1209	3424	1951	740	355	252	274
MAX	3057	2947	4315	2285	3322	6479	5399	4105	1787	1577	1439	2664
(WY)	1978	1964	1974	1978	1970	1936	1951	1972	1989	1973	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

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1929 - 1995
ANNUAL TOTAL	308831	243542	
ANNUAL MEAN	846	667	965
HIGHEST ANNUAL MEAN			1583
LOWEST ANNUAL MEAN			436
			1974
HIGHEST DAILY MEAN	13900	4400	31400
LOWEST DAILY MEAN	65	40	32
ANNUAL SEVEN-DAY MINIMUM	74	41	33
			1939
INSTANTANEOUS PEAK FLOW		5410	38600
INSTANTANEOUS PEAK STAGE		8.80	18.89
INSTANTANEOUS LOW FLOW		39	32
			1936
			1979
			1939
ANNUAL RUNOFF (CFSM)	1.64	1.29	1.87
ANNUAL RUNOFF (INCHES)	22.26	17.56	25.41
10 PERCENT EXCEEDS	2160	1710	2430
50 PERCENT EXCEEDS	390	368	420
90 PERCENT EXCEEDS	115	67	111



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 mi².

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 fair, including periods of ice effect, Jan. 10, 11, and Feb. 17. Flow regulated by dam 0.4 mi upstream, and by Great Moose and Sebasticook Lakes and Plymouth Pond, combined capacity about 2,345,000,000 ft³. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,600 ft³/s, Apr. 3, 1987, gage height, 15.53 ft; minimum daily discharge, 4.5 ft³/s, Nov. 10, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3890 ft³/s, Jan. 22, gage height, 6.32 ft, minimum daily discharge, 28 ft³/s, Aug. 25.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1460	502	368	256	649	603	1920	296	640	170	82	125
2	1080	832	168	307	338	603	2060	121	642	78	79	79
3	892	1550	236	423	223	597	2090	337	610	102	81	81
4	796	2100	186	626	379	487	2060	403	646	127	81	79
5	753	2250	374	735	322	155	2000	379	634	93	110	78
6	732	2150	775	606	263	163	1680	413	627	93	68	79
7	717	2020	1290	451	265	209	1190	626	720	108	84	73
8	666	1860	1650	437	388	376	921	665	821	50	67	81
9	311	1330	1660	330	422	754	881	618	829	116	72	104
10	363	827	1470	e148	432	1210	866	619	804	89	82	90
11	301	344	1330	e148	352	1360	855	445	744	85	71	124
12	327	292	1200	148	344	1420	859	434	739	102	70	357
13	297	422	1140	147	412	1450	936	648	609	99	68	264
14	302	412	804	316	474	1380	1240	1070	113	94	40	442
15	267	331	485	878	340	1420	1700	1370	331	109	73	610
16	267	278	203	991	195	1670	1970	1580	704	114	69	544
17	265	669	208	2150	e349	1950	2060	1890	701	42	73	574
18	237	656	203	3060	255	2160	1960	2260	521	140	40	587
19	217	563	379	3330	156	2370	1800	2650	523	165	40	580
20	222	608	313	3290	314	2520	1670	2910	474	102	40	634
21	309	594	204	3530	364	2620	1560	2730	482	113	72	617
22	533	616	182	3760	137	2810	1470	2440	466	131	37	559
23	561	687	349	3740	197	3110	1400	2210	213	105	39	573
24	561	583	777	3550	452	3440	1340	1950	216	96	70	525
25	482	421	1090	3230	384	3430	1270	1400	338	104	28	500
26	536	394	1120	2840	606	3170	1180	791	321	94	39	453
27	488	160	1010	2470	609	2840	1140	571	120	96	41	453
28	474	178	796	1940	633	2530	856	491	171	79	45	429
29	387	367	527	1890	---	2220	506	508	149	111	61	413
30	285	320	224	1660	---	1980	455	585	142	80	78	375
31	273	---	269	1190	---	1820	---	623	---	79	78	---
TOTAL	15361	24316	20990	48577	10254	52827	41895	34033	15050	3166	1978	10482
MEAN	496	811	677	1567	366	1704	1396	1098	502	102	63.8	349
MAX	1460	2250	1660	3760	649	3440	2090	2910	829	170	110	634
MIN	217	160	168	147	137	155	455	121	113	42	28	73

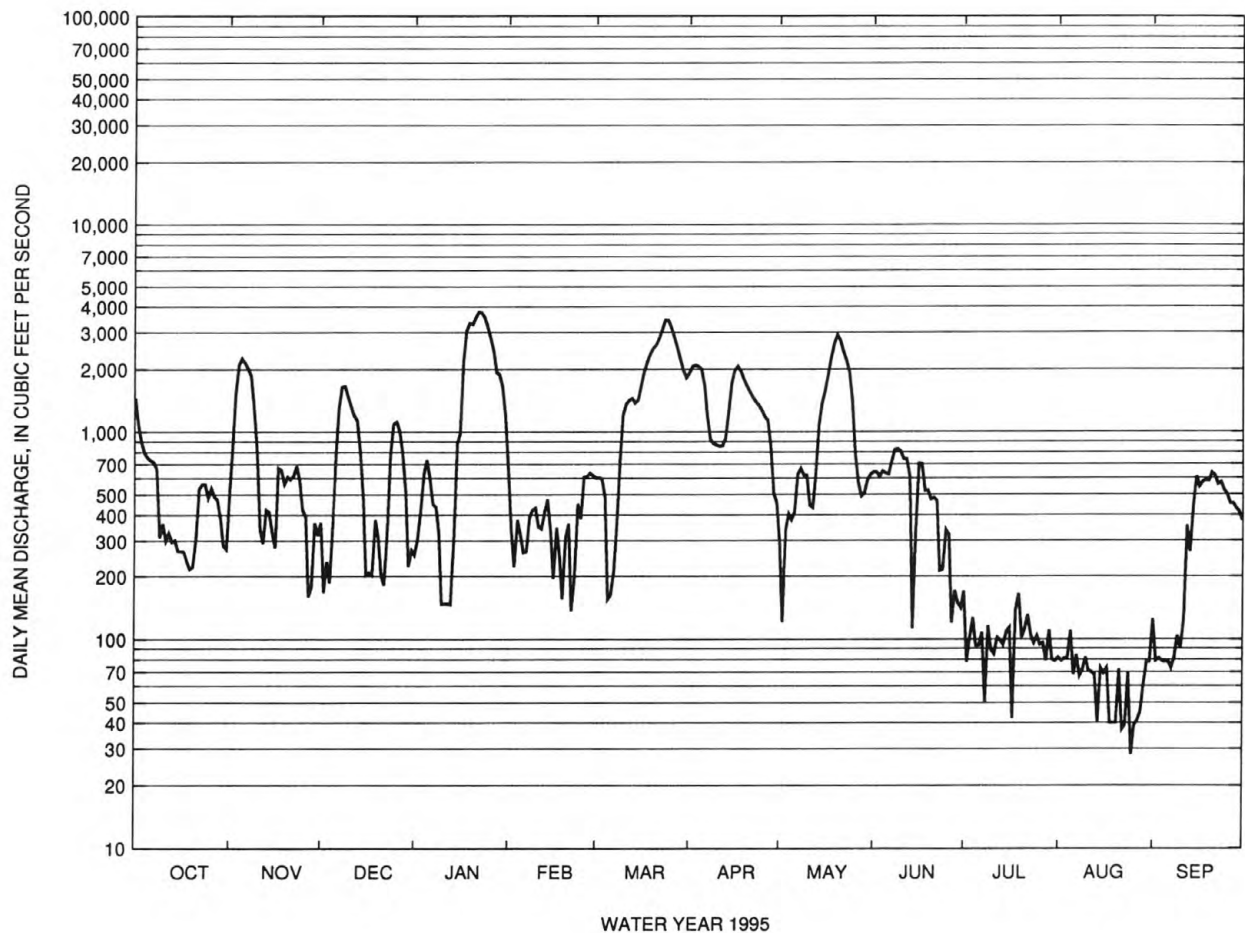
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01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	465	905	1043	691	654	1286	3391	1437	639	332	282	397
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	360	160	74.1	53.5	62.1
(WY)	1979	1953	1930	1989	1993	1967	1981	1985	1992	1983	1982	1982

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1929 - 1995	
ANNUAL TOTAL	323611		278929			
ANNUAL MEAN	887		764		956	
HIGHEST ANNUAL MEAN					1645	
LOWEST ANNUAL MEAN					437	
HIGHEST DAILY MEAN	7870		3760		17200	
LOWEST DAILY MEAN	39		28		4.5	
ANNUAL SEVEN-DAY MINIMUM	48		43		6.6	
INSTANTANEOUS PEAK FLOW			3890		17600	
INSTANTANEOUS PEAK STAGE			6.32		15.53	
10 PERCENT EXCEEDS	1840		2040		2450	
50 PERCENT EXCEEDS	464		474		491	
90 PERCENT EXCEEDS	115		81		116	



01049205 KENNEBEC RIVER NEAR WATERTVILLE, ME

LOCATION.--Lat 44°31'38", long 69°39'09", Kennebec County, Hydrologic Unit 01030003, on right bank at Waterville Sewage Treatment Plant, 1.3 mi downstream from Sebasticook River, and 0.4 mi upstream from Messalonskee Stream.

DRAINAGE AREA.--5,179 mi².

PERIOD OF RECORD.--October 1993 to September 1994. Records for October 1978 to September 1993 at site 4 miles downstream, published as "at North Sidney" (station 01049265), are not equivalent because of regulated inflow from Messalonskee Stream, except for discharges above 25,000 ft³/s.

GAGE.--Water-stage recorder. Datum of gage is 15.12 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for periods of ice effect, Jan. 5-7, 10-13, Feb. 5-18, and Feb. 25 to Mar. 6, and periods of doubtful gage-height record, Oct. 19 to Dec. 9, Dec. 30, Jan. 17-26, Mar. 10-16, and 20-27, which are fair. Flow regulated by Indian Pond, and Moosehead, Brassua, Flagstaff, and Wyman Lakes. Satellite gage-height telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 232,000 ft³/s, Apr. 2, 1987, at site 4 miles downstream, published as "at North Sidney" (station 01049265).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 90,300 ft³/s, Apr. 17, 1994, gage height 30.68, from floodmarks; minimum daily discharge, 2,270 ft³/s, Aug. 16, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum recorded discharge, 28,200 ft³/s, May 14, gage height, 19.46 ft, but may have been greater during period of doubtful gage-height record, Jan. 18; minimum daily discharge, 2,270 ft³/s, Aug. 16.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5810	e3310	e3540	5060	8100	e6180	12400	6450	6550	4180	2820	2700
2	4770	e8580	e3070	4900	7770	e7430	11000	6430	5950	4730	2810	2480
3	4560	e21300	e3390	4840	6790	e7420	10500	3460	5190	5330	3120	2400
4	3360	e12300	e3280	4870	6260	e7250	10300	4120	7820	4330	3120	2480
5	4370	e8900	e3850	e5230	e5640	e6980	10400	4720	13400	4290	3100	2490
6	4630	e7050	e9360	e5110	e6180	e6950	8350	4450	10700	3330	3190	2960
7	4070	e6660	e12700	e4970	e6290	7080	9020	4070	10500	3660	3170	2370
8	4450	e6520	e10200	4720	e6650	7640	7200	4030	9940	3540	2960	2680
9	3980	e5480	e7280	4770	e7000	11200	7310	4360	8490	3710	2860	2480
10	3630	e4460	6460	e4930	e7220	e11500	6990	3760	6980	3900	2510	2740
11	3970	e3690	5860	e4850	e7550	e11600	7290	3910	7040	4030	2580	2660
12	3440	e3440	5410	e4870	e7410	e10900	6540	4570	5930	2980	3270	2700
13	3770	e3370	4700	e4980	e7050	e10100	8440	18300	6770	2750	3280	2670
14	3840	e3230	4920	5130	e7110	e9640	11400	21300	7330	2900	2850	2840
15	3550	e3280	4660	5350	e7080	e9690	11600	13500	7820	3000	3830	2900
16	3360	e3230	4440	9710	e7200	e10200	10600	16500	8920	2770	2270	2920
17	3650	e3700	4200	e22600	e7310	12100	9630	20100	8180	3090	2880	3110
18	3470	e3430	4370	e25800	e6170	13400	8450	22700	6970	5710	3080	3150
19	e2950	e3490	4410	e17900	4830	14400	8190	22600	6280	6340	2600	2960
20	e3030	e3520	4470	e14400	6660	e14200	8500	16800	5630	4050	2530	3010
21	e3110	e3520	4410	e21200	7260	e13400	8320	13400	4020	3250	2560	3110
22	e3770	e3730	4450	e22700	7650	e16300	9910	11600	4610	3180	2620	3050
23	e3840	e4360	4260	e17500	7310	e19500	13000	10800	4670	3070	2370	3330
24	e4390	e3890	5910	e14400	7370	e17200	10500	9580	4450	2950	2730	3040
25	e3200	e3390	9600	e12200	e7190	e14500	9110	8110	4180	3110	2510	2920
26	e3450	e3430	9910	e10900	e7410	e13000	7640	7030	4550	4780	2500	2980
27	e3450	e3050	7640	9360	e7340	e12600	6260	6040	4530	7820	2570	3150
28	e3310	e3050	6800	9350	e7230	13900	6140	6900	4280	5170	2590	2970
29	e3060	e3210	6230	9410	---	13600	5900	8140	4070	2860	2430	2760
30	e3160	e3500	e4200	9400	---	12900	6680	8840	4080	2810	2580	2970
31	e3040	---	4730	8520	---	10900	---	8520	---	2950	2450	---
TOTAL	116440	154070	178710	309930	195030	353660	267570	305090	199830	120570	86740	84980
MEAN	3756	5136	5765	9998	6965	11410	8919	9842	6661	3889	2798	2833
MAX	5810	21300	12700	25800	8100	19500	13000	22700	13400	7820	3830	3330
MIN	2950	3050	3070	4720	4830	6180	5900	3460	4020	2750	2270	2370

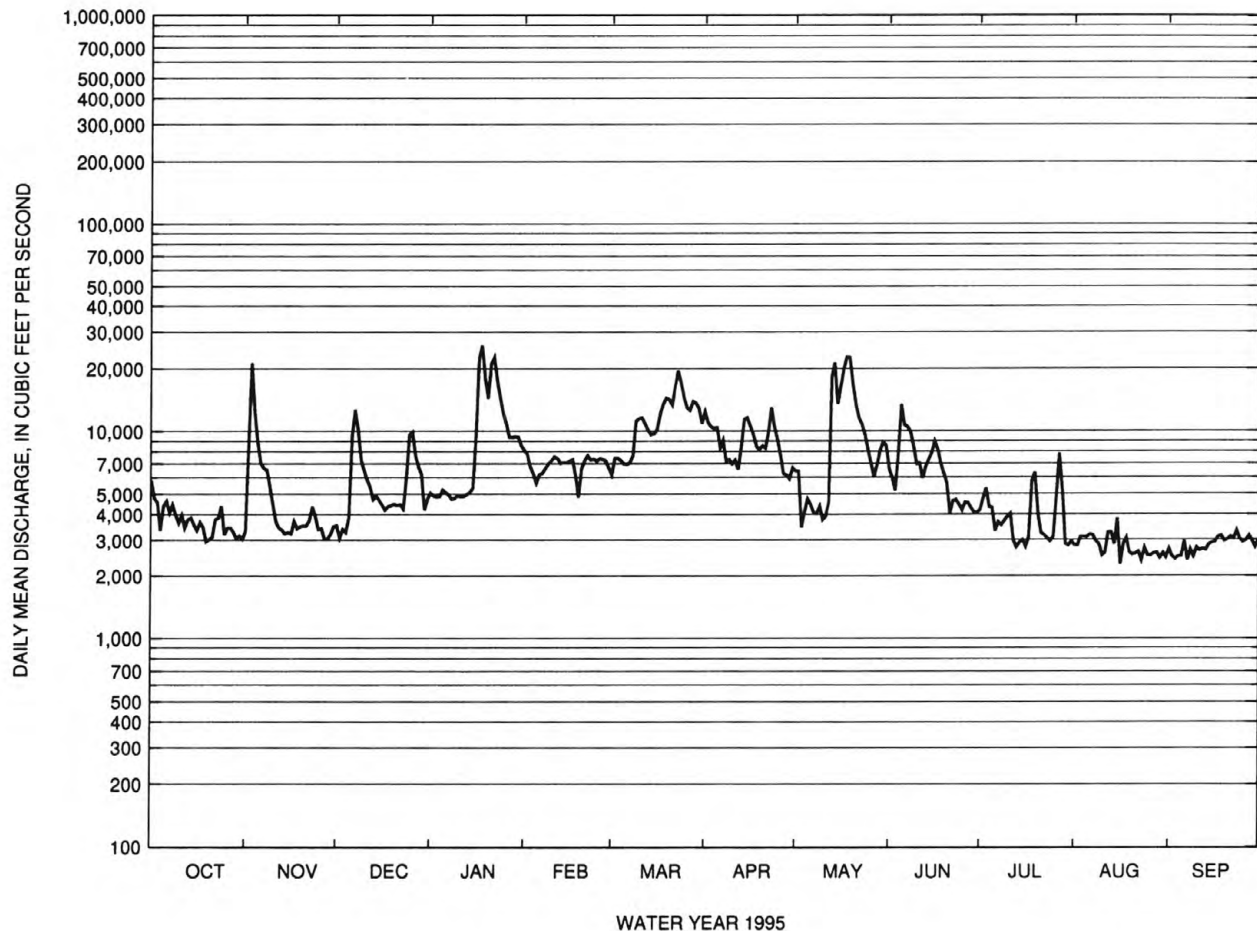
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01049205 KENNEBEC RIVER NEAR WATERTVILLE, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3710	5245	7647	8186	6940	9499	18320	13830	6875	4778	3296	3252
MAX	3756	5355	9529	9998	6965	11410	27720	17820	7088	5667	3795	3671
(WY)	1995	1994	1994	1995	1995	1995	1994	1994	1994	1994	1994	1994
MIN	3664	5136	5765	6375	6914	7590	8919	9842	6661	3889	2798	2833
(WY)	1994	1995	1995	1994	1994	1994	1995	1995	1995	1995	1995	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1994 - 1995
ANNUAL TOTAL	3075730	2372620	
ANNUAL MEAN	8427	6500	7628
HIGHEST ANNUAL MEAN			8757
LOWEST ANNUAL MEAN			6500
			1994
			1995
HIGHEST DAILY MEAN	81500	Apr 17	25800
LOWEST DAILY MEAN	2530	Sep 3	2270
ANNUAL SEVEN-DAY MINIMUM	2620	Aug 31	2500
			Aug 29
INSTANTANEOUS PEAK FLOW		28200	May 14
INSTANTANEOUS PEAK STAGE		19.46	May 14
			90300
			30.68
			Apr 17 1994
			Apr 17 1994
10 PERCENT EXCEEDS	19700	12200	14000
50 PERCENT EXCEEDS	6250	4870	6010
90 PERCENT EXCEEDS	3210	2860	3010



KENNEBEC RIVER BASIN

01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME
 (National stream-quality accounting network station)

LOCATION.--Lat 44°28'25", long 69°41'08", Kennebec County, Hydrologic Unit 01030003, on right bank at North Sidney, 5.3 mi downstream from Seabasticook River, and 11.5 mi upstream from Cushnoc Dam at Augusta.

DRAINAGE AREA.--5,403 mi².

PERIOD OF RECORD.--Water years 1979 to 1993, 1995 (discontinued).

DISCHARGE: October 1978 to September 1993.

CHEMICAL ANALYSES: Water years 1978 to 1993, 1995.

PERIOD OF DAILY RECORD.--

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.

REMARKS.-- Water-discharge records for the Kennebec River near Waterville (station 01049205) are used for computation of discharge.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, DIS- SOLVED DIS- CENT OF SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR												
19...	0930	8740	65	6.9	7.0	7.0	1.1	767	11.9	97	60	K 14
JUN												
14...	0935	7670	66	7.3	21.0	18.0	1.4	756	8.7	93	--	--
AUG												
15...	1130	4360	82	7.4	23.0	24.5	1.2	763	7.5	90	>1200	>2000
DATE		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)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)	
APR												
19...	20	6.1	1.2	4.3	0.60	17	14	5.7	4.4	<0.10		
JUN												
14...	19	5.7	1.1	4.6	0.60	14	11	5.5	5.5	<0.10		
AUG												
15...	19	5.7	1.1	7.8	0.80	--	E 16	8.4	6.9	<0.10		

E Estimated value.

K Results based on colony count outside the accepted range (non-ideal colony count).

< Actual value is known to be less than the value shown.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

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 mi².

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.

GAGE.--Water-stage recorder. Datum of gage is 20.00 ft above National Geodetic Vertical Datum of 1929. June 16, 1890, to Sept. 30, 1964, nonrecording gage at site 0.8 mi upstream at different datum.

REMARKS.--Records fair, including period of no gage-height record, May 23 and 24. Flow regulated by Cobbosseecontee Lake and several other lakes upstream. Several observations of water temperature and specific conductance were made during the year.

COOPERATION.--Prior to 1961 records furnished by S.D. Warren Co. Records from 1961 to 1964 furnished by Gardiner Water District.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,020 ft³/s, Mar. 21, 1936; minimum discharge, leakage only when all gates in dam were closed several days in 1890-1909.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,110 ft³/s, Jan. 17, gage height, 6.07 ft; minimum daily discharge, 24 ft³/s, Aug. 31 and Sept. 8-12.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	429	215	187	347	497	279	669	123	240	50	32	25
2	431	240	188	372	488	261	676	99	150	49	32	25
3	432	257	184	357	469	255	661	100	149	47	32	25
4	429	252	186	362	460	257	654	100	151	45	32	25
5	427	245	270	354	475	241	652	100	151	44	32	25
6	426	234	621	335	462	250	442	102	150	44	32	25
7	421	232	684	358	449	258	350	101	149	45	32	25
8	382	205	602	359	417	350	230	68	151	45	31	24
9	356	185	413	358	387	599	253	41	150	45	32	24
10	368	186	309	360	387	650	273	41	150	44	32	24
11	256	183	331	369	390	629	273	41	151	42	32	24
12	178	122	315	348	391	588	282	45	153	38	32	24
13	180	91	293	343	362	562	293	45	181	38	29	25
14	186	99	291	345	331	543	335	45	208	37	28	27
15	194	108	283	355	322	529	345	46	360	38	29	25
16	197	109	233	542	327	521	332	80	413	38	29	26
17	191	109	176	977	237	533	306	249	374	38	29	29
18	191	109	185	943	194	592	273	512	223	39	29	57
19	190	113	281	760	264	914	259	474	173	36	29	86
20	187	114	320	707	272	911	215	217	178	34	29	86
21	189	119	302	817	223	802	201	183	164	34	28	86
22	197	150	293	905	203	821	208	562	158	34	27	87
23	205	174	271	908	204	900	205	e711	114	34	27	125
24	216	167	497	871	220	931	202	e675	62	37	26	146
25	217	163	709	826	367	895	203	519	60	36	25	145
26	215	160	699	777	376	856	201	321	58	35	26	147
27	227	153	667	655	316	769	202	320	58	35	25	147
28	239	158	639	550	279	715	195	321	59	35	25	148
29	234	176	626	537	---	593	194	416	59	34	25	148
30	225	185	464	519	---	552	177	455	56	33	25	147
31	216	---	326	505	---	589	---	447	---	32	24	---
TOTAL	8431	5013	11845	17121	9769	18145	9761	7559	4853	1215	897	1982
MEAN	272	167	382	552	349	585	325	244	162	39.2	28.9	66.1
MAX	432	257	709	977	497	931	676	711	413	50	32	148
MIN	178	91	176	335	194	241	177	41	56	32	24	24

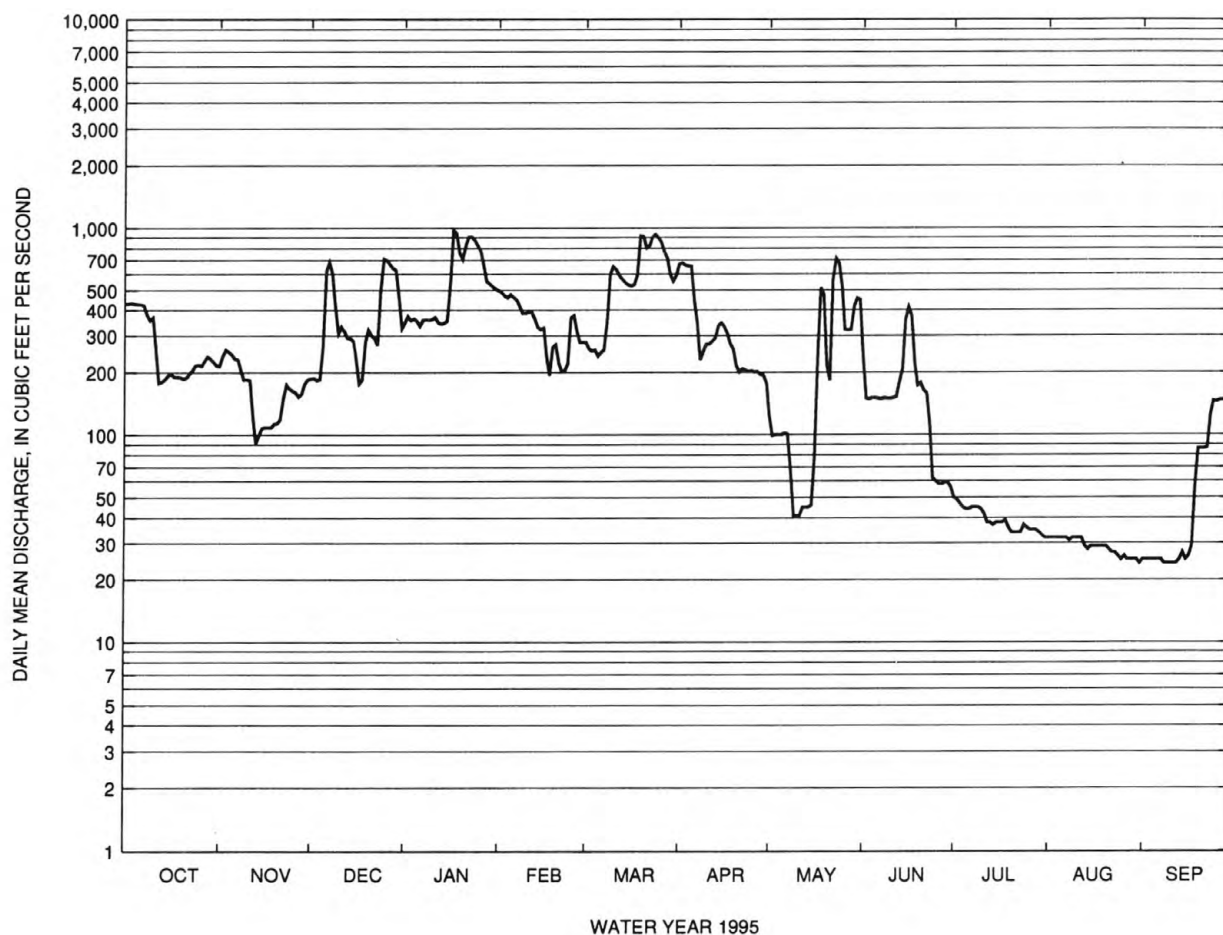
e Estimated

01049500 COBBOSSEEC/ONTEE STREAM AT GARDINER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	246	259	324	280	292	525	952	462	308	182	177	194
MAX	1039	879	1517	750	887	2086	2386	1331	1720	377	285	905
(WY)	1978	1978	1984	1978	1986	1936	1920	1989	1917	1906	1906	1954
MIN	55.0	57.8	39.7	97.2	97.5	126	227	78.0	48.5	30.5	13.6	24.2
(WY)	1942	1979	1942	1985	1942	1980	1915	1985	1977	1988	1983	1978

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1906 - 1995
ANNUAL TOTAL	127897	96591	
ANNUAL MEAN	350	265	350
HIGHEST ANNUAL MEAN			723
LOWEST ANNUAL MEAN			172
			1984
			1985
HIGHEST DAILY MEAN	1770	977	4320
LOWEST DAILY MEAN	31	24	.00
ANNUAL SEVEN-DAY MINIMUM	31	24	7.9
			1936
			1907
			1983
INSTANTANEOUS PEAK FLOW		1110	5020
INSTANTANEOUS PEAK STAGE		6.07	Mar 21 1936
10 PERCENT EXCEEDS	799	623	745
50 PERCENT EXCEEDS	225	204	260
90 PERCENT EXCEEDS	44	30	59



01049550 TOGUS STREAM AT TOGUS, MAINE

LOCATION.--Lat 44°15'57", long 69°41'55", Kennebec County, Hydrologic Unit 01030003, on right bank 100 ft downstream from mouth of Chase Meadow Stream and 600 ft downstream from State Route 226 bridge, 1.5 mi northeast of Chelsea.

DRAINAGE AREA.--23.7 mi².

PERIOD OF RECORD.--October 1981 to September 1995 (discontinued).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 131.28 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1982, at datum 0.28 ft lower.

REMARKS.--Records fair including period of ice effect, Feb. 5 to Mar. 6. Several observations of water temperature and specific conductance were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,010 ft³/s, Apr. 1, 1987, gage height, 7.50 ft; minimum discharge 0.79 ft³/s, Sept. 30, 1984, gage height, 2.60 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 220 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 21	0400	*233	*4.57	No other peak above base discharge			

Minimum discharge, 3.3 ft³/s, Sept. 25-27, gage height, 2.99 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	35	47	50	52	e26	86	28	33	14	14	5.1
2	11	111	44	52	49	e25	79	27	31	12	11	5.1
3	11	116	41	52	47	e24	71	26	31	12	10	5.1
4	10	86	41	50	45	e23	72	24	39	11	9.8	5.0
5	9.9	73	61	48	e42	e22	76	23	32	10	9.8	5.0
6	9.0	67	107	47	e40	e27	66	22	29	9.8	9.0	5.0
7	8.3	65	91	52	e38	28	62	21	28	9.0	8.5	5.1
8	7.7	59	77	54	e36	37	58	21	31	9.0	7.7	5.3
9	7.2	55	67	53	e34	130	55	18	25	9.0	7.7	5.1
10	7.6	50	62	51	e33	107	54	17	22	9.0	7.1	5.1
11	7.2	46	64	48	e31	93	51	16	20	9.0	6.5	5.1
12	7.1	42	61	46	e30	81	43	30	21	9.0	7.7	5.1
13	11	39	55	45	e29	77	47	49	23	8.3	8.3	5.0
14	21	36	51	40	e28	77	45	46	19	8.3	7.1	5.0
15	20	34	47	49	e27	78	37	40	41	8.1	7.5	4.9
16	18	33	43	116	e28	80	33	54	40	7.5	6.8	4.4
17	16	31	41	182	e26	104	31	53	31	7.9	6.7	5.1
18	15	29	40	148	e25	147	30	72	29	10	6.5	5.2
19	13	34	40	118	e24	157	29	64	27	8.6	6.5	4.4
20	12	33	37	111	e23	145	31	57	26	7.4	6.5	4.1
21	19	31	35	223	e23	147	30	52	23	7.1	6.3	3.9
22	51	41	35	187	e22	177	34	53	21	6.9	6.1	4.0
23	41	38	34	156	e21	161	34	49	19	6.5	6.1	4.6
24	35	35	87	134	e25	144	31	45	18	6.5	6.1	3.6
25	31	32	130	114	e29	126	31	44	18	6.5	5.5	3.6
26	27	30	103	99	e27	111	29	40	17	6.9	5.4	3.5
27	26	28	84	85	e26	101	28	36	16	8.2	5.2	3.5
28	24	34	74	75	e26	93	29	34	16	8.9	5.1	3.6
29	23	50	67	67	---	87	31	34	15	12	5.1	3.8
30	22	50	60	61	---	82	28	42	16	13	5.1	3.7
31	20	---	53	56	---	91	---	37	---	18	5.1	---
TOTAL	554.0	1443	1879	2669	886	2808	1361	1174	757	289.4	225.8	137.0
MEAN	17.9	48.1	60.6	86.1	31.6	90.6	45.4	37.9	25.2	9.34	7.28	4.57
MAX	51	116	130	223	52	177	86	72	41	18	14	5.3
MIN	7.1	28	34	40	21	22	28	16	15	6.5	5.1	3.5
CFSM	7.75	2.03	2.56	3.63	1.34	3.82	1.91	1.60	1.06	.39	.31	.19
IN.	.87	2.26	2.95	4.19	1.39	4.41	2.14	1.84	1.19	.45	.35	.22

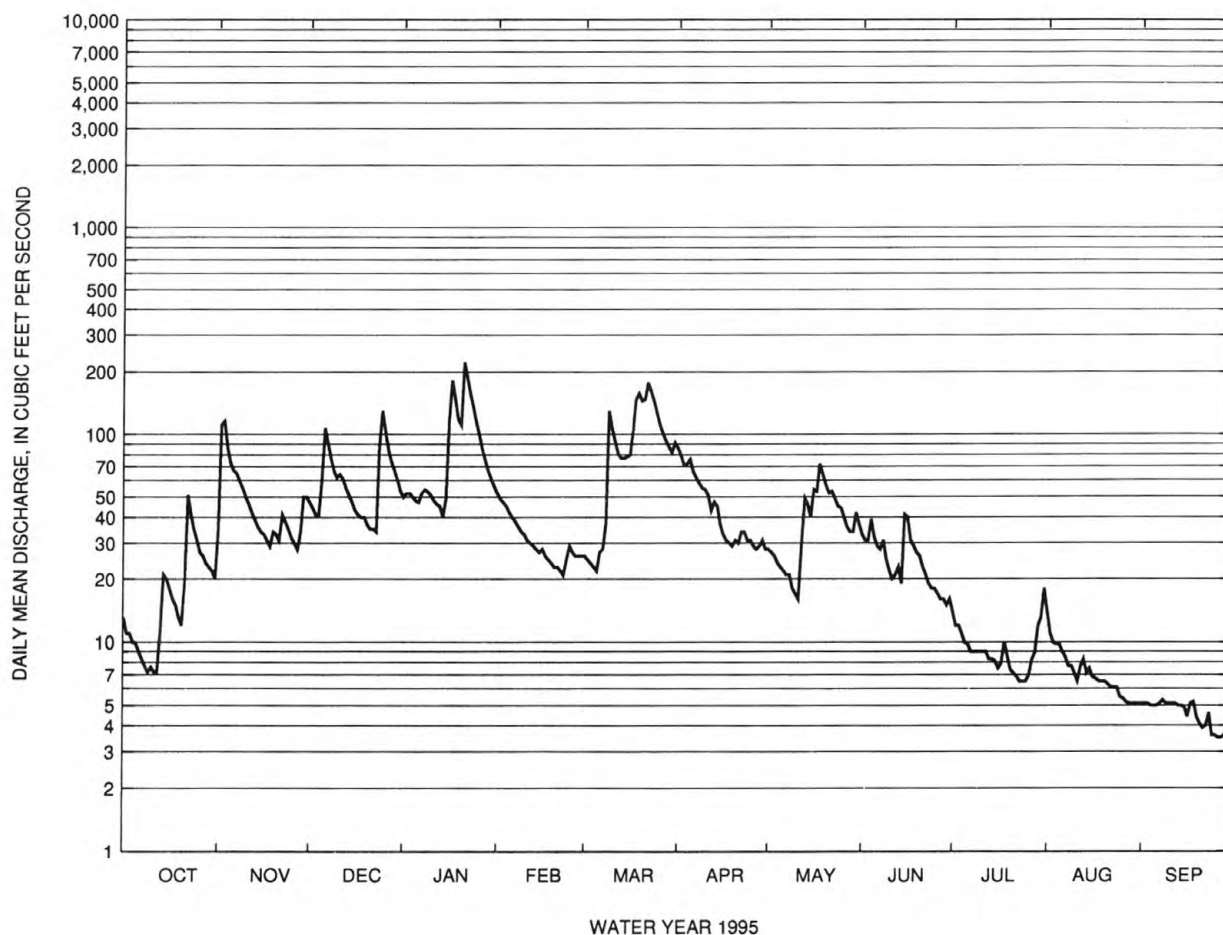
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01049550 TOGUS STREAM AT TOGUS, MAINE--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	16.2	44.9	57.4	39.2	34.7	79.3	120	50.1	30.0	8.77	8.43	7.18
MAX	65.7	112	153	97.5	70.8	148	216	123	130	16.8	27.1	20.5
(WY)	1992	1991	1984	1986	1984	1983	1993	1989	1984	1990	1991	1991
MIN	3.00	10.4	18.8	11.1	12.2	31.6	41.4	18.0	4.17	3.03	3.13	1.71
(WY)	1987	1985	1990	1985	1989	1993	1985	1985	1985	1985	1987	1984

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1982 - 1995
ANNUAL TOTAL	16076.6	14183.2	
ANNUAL MEAN	44.0	38.9	41.3
HIGHEST ANNUAL MEAN			68.4
LOWEST ANNUAL MEAN			19.7
			1984
HIGHEST DAILY MEAN	257	223	940
LOWEST DAILY MEAN	3.4	3.5	.85
ANNUAL SEVEN-DAY MINIMUM	3.7	3.6	.92
			1987
INSTANTANEOUS PEAK FLOW		233	1010
INSTANTANEOUS PEAK STAGE		4.57	7.50
INSTANTANEOUS LOW FLOW		3.3	.79
			1987
			1984
ANNUAL RUNOFF (CFSM)	1.86	1.64	1.74
ANNUAL RUNOFF (INCHES)	25.23	22.26	23.67
10 PERCENT EXCEEDS	103	86	99
50 PERCENT EXCEEDS	27	30	22
90 PERCENT EXCEEDS	5.6	5.5	4.0



01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH

LOCATION.--Lat 44°52'40", long 71°03'25", Coos County, Hydrologic Unit 01040001, on left bank 1.0 mi upstream from mouth and 1.6 mi north of Wentworth Location.

DRAINAGE AREA.--152 mi².

PERIOD OF RECORD.--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, Nov. 25-29, Dec. 13-24, Dec. 27 to Jan. 15, and Jan. 29 to Mar. 9, and periods of doubtful gage-height record, Jan. 16, 17 and Mar. 22-25, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,630 ft³/s, June 16, 1943, gage height, 10.66 ft, from rating curve extended above 4,300 ft³/s; maximum gage height, 12.23 ft, Feb. 21, 1981, (ice jam); minimum discharge, 6.8 ft³/s, Aug. 27, 28, 1949, Sept. 1, 1952, gage height, 0.81 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 17	Unknown	*4,340	*7.96	No other peak greater than base discharge.			

Minimum discharge, 13 ft³/s, Sept. 7 and 8, gage height, 0.92 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	240	179	198	e118	e128	e76	322	666	493	33	41	17
2	155	264	159	e115	e124	e84	270	570	358	52	33	17
3	123	244	137	e112	e120	e80	256	526	394	38	30	16
4	125	201	151	e109	e117	e76	265	467	554	30	52	15
5	134	178	348	e106	e113	e74	172	426	351	26	90	14
6	129	184	1180	e105	e110	e72	183	406	292	24	251	14
7	130	310	1080	e108	e107	e70	206	356	251	23	166	13
8	114	268	511	e110	e104	e80	193	290	230	34	83	14
9	102	222	320	e104	e102	e466	224	259	192	54	56	17
10	113	200	307	e99	e100	849	198	239	164	35	43	22
11	121	167	256	e96	e98	824	218	230	152	28	35	23
12	101	147	175	e94	e96	578	276	264	191	27	39	19
13	92	137	e142	e93	e94	270	378	301	199	28	120	17
14	87	129	e131	e350	e92	571	618	287	149	23	79	22
15	80	125	e125	e1730	e94	866	392	510	136	21	69	51
16	76	118	e120	3540	e96	1420	298	1360	117	20	95	33
17	74	107	e118	3890	e96	1930	263	725	100	266	66	25
18	71	100	e118	1500	e93	1640	311	1300	91	396	44	21
19	70	110	e127	706	e89	1080	483	719	81	154	34	20
20	70	101	e139	527	e87	945	622	491	71	83	29	18
21	144	91	e130	1230	e85	1350	680	385	62	59	25	17
22	175	127	e127	773	e84	2940	1260	361	57	50	23	20
23	128	121	e130	517	e83	1840	1060	312	52	44	21	180
24	111	68	e137	357	e87	755	610	290	48	253	22	101
25	100	e70	240	317	e94	486	545	346	44	117	24	55
26	91	e68	214	255	e85	355	529	285	41	165	25	42
27	85	e67	e151	193	e79	306	483	301	37	157	23	50
28	82	e115	e140	161	e77	308	555	285	33	86	20	71
29	77	e256	e132	e144	---	349	666	359	31	71	18	54
30	74	281	e127	e137	---	425	861	1470	30	73	17	40
31	71	---	e121	e131	---	358	---	816	---	54	16	---
TOTAL	3345	4755	7491	17827	2734	21523	13397	15602	5001	2524	1689	1038
MEAN	108	158	242	575	97.6	694	447	503	167	81.4	54.5	34.6
MAX	240	310	1180	3890	128	2940	1260	1470	554	396	251	180
MIN	70	67	118	93	77	70	172	230	30	20	16	13
CFSM	.71	1.04	1.59	3.78	.64	4.57	2.94	3.31	1.10	.54	.36	.23
IN.	.82	1.16	1.83	4.36	.67	5.27	3.28	3.82	1.22	.62	.41	.25

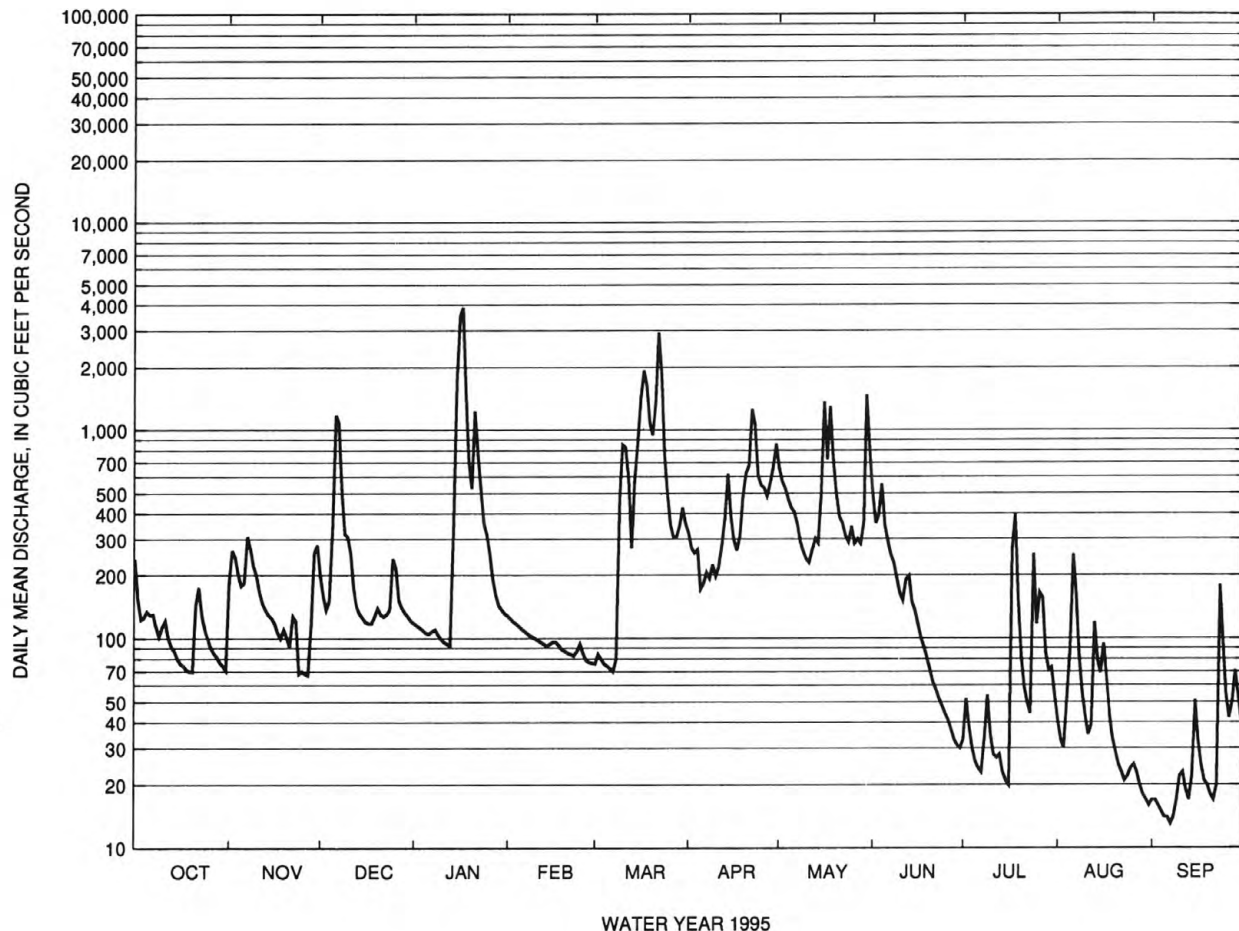
e Estimated

01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	266	333	228	167	146	282	1061	931	308	157	139	150
MAX	869	733	739	575	783	853	1591	2115	804	472	492	836
(WY)	1991	1964	1974	1995	1981	1946	1954	1972	1943	1958	1988	1954
MIN	40.9	83.2	53.4	53.9	43.4	54.6	402	347	105	35.1	15.0	16.8
(WY)	1953	1979	1979	1948	1942	1967	1972	1986	1963	1952	1952	1952

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1941 - 1995
ANNUAL TOTAL	121371	96926	
ANNUAL MEAN	333	266	348
HIGHEST ANNUAL MEAN			500
LOWEST ANNUAL MEAN			225
HIGHEST DAILY MEAN	4750	Apr 28	3890
LOWEST DAILY MEAN	49	Aug 31	13
ANNUAL SEVEN-DAY MINIMUM	55	Aug 30	15
INSTANTANEOUS PEAK FLOW		4340	Jan 17
INSTANTANEOUS PEAK STAGE		7.96	Jan 17
INSTANTANEOUS LOW FLOW		13	Sep 7
ANNUAL RUNOFF (CFSM)	2.19	1.75	2.29
ANNUAL RUNOFF (INCHES)	29.70	23.72	31.09
10 PERCENT EXCEEDS	932	591	836
50 PERCENT EXCEEDS	130	123	156
90 PERCENT EXCEEDS	72	26	51



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 mi².

PERIOD OF RECORD.--Discharge: January 1905 to current year. November and December 1912, monthly discharges only, published in WSP 1301. Prior to 1922, published as "at Errol Dam." Records for water years 1923-44 have not been published but are available in the files of the U.S. Geological Survey. Chemical analyses: Water years 1955, 1958.

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

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, 28,100,000,000 ft³, with final regulation at Errol Dam, 0.4 mi upstream. Several observations of water temperature and specific conductance were made during the year. Telephone gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft³/s, May 22, 1969, gage height 9.40 ft; minimum daily discharge, leakage only at various times when gates in dam were closed in water years 1918, 1919, 1923, 1924, 1928, and 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,350 ft³/s, Feb. 1, gage height, 4.33 ft; minimum daily discharge, 836 ft³/s, Jan. 16.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1650	1450	1130	1320	2240	2220	1160	923	1870	1290	1380	1130
2	1650	1400	1140	1230	2010	2240	1160	924	1310	1290	1430	1130
3	1650	1410	1170	1180	1950	2280	1160	930	1210	1290	1240	1130
4	1650	1410	1160	1150	2030	2280	1150	943	1470	1290	1240	1130
5	1650	1420	1170	1170	2080	2280	1190	942	1290	1270	1240	1130
6	1770	1410	948	1210	2130	2280	1200	940	1220	1240	1220	1120
7	1880	1360	875	1240	2190	2280	1200	962	1260	1240	1240	1130
8	1880	1310	921	1230	2230	2280	1230	1020	1280	1230	1240	1120
9	1880	1200	1100	1210	2220	2410	1240	1090	1260	1240	1240	1120
10	1880	1360	1130	1270	2190	2030	1220	1140	1260	1240	1240	1120
11	1880	1470	1130	1330	2190	2260	1170	1130	1260	1240	1240	1110
12	1880	1420	1150	1300	2190	2390	1130	1130	1260	1240	1240	1110
13	1880	1410	1220	1230	2220	2260	1090	1110	1250	1240	1240	1110
14	1960	1370	1250	1200	2260	2210	1020	1060	1260	1240	1240	1110
15	2260	1350	1180	1110	2260	2210	967	1030	1230	1240	1240	1110
16	2250	1350	1190	836	2250	2050	966	1040	1210	1240	1240	1110
17	2250	1340	1210	870	2250	2020	1030	1130	1210	1240	1240	1110
18	2250	1340	1200	1690	2250	2010	1060	2000	1240	1240	1240	1110
19	2250	1350	1170	2770	2240	2010	1020	2400	1300	1240	1240	1110
20	1740	1350	1150	2750	2240	1800	977	2400	1320	1240	1240	1110
21	1530	1390	1130	2750	2240	1610	900	2100	1300	1240	1240	1110
22	1530	1420	1130	2740	2240	1610	904	1790	1290	1240	1240	1110
23	1530	1420	1130	2720	2240	1610	917	1700	1290	1240	1240	1110
24	1480	1420	1130	2190	2230	1620	923	1490	1290	1230	1180	1110
25	1450	1420	1140	1870	2230	1610	923	1350	1290	1240	1130	1110
26	1450	1400	1000	1840	2230	1630	923	1340	1290	1240	1130	1110
27	1450	1390	1000	1920	2230	1560	923	1340	1290	1240	1130	1110
28	1450	1400	1040	2100	2230	1560	972	1340	1290	1240	1130	1110
29	1450	1340	1070	2180	---	1430	972	1340	1290	1230	1130	1110
30	1450	1240	1220	2180	---	1200	942	1750	1290	1240	1130	1110
31	1450	---	1310	2130	---	1160	---	2310	---	1240	1130	---
TOTAL	54360	41320	34894	51916	61490	60400	31639	42094	38880	38640	37920	33460
MEAN	1754	1377	1126	1675	2196	1948	1055	1358	1296	1246	1223	1115
MAX	2260	1470	1310	2770	2260	2410	1240	2400	1870	1290	1430	1130
MIN	1450	1200	875	836	1950	1160	900	923	1210	1230	1130	1110

01053500 ANDROSCOGGIN RIVER AT ERROL, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1594	1533	1696	1784	1830	1832	2117	3069	2259	1742	1682	1691
MAX	3949	3745	4722	3589	3392	5454	4280	8192	7129	3324	2265	4738
(WY)	1955	1908	1974	1970	1991	1936	1976	1974	1917	1973	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

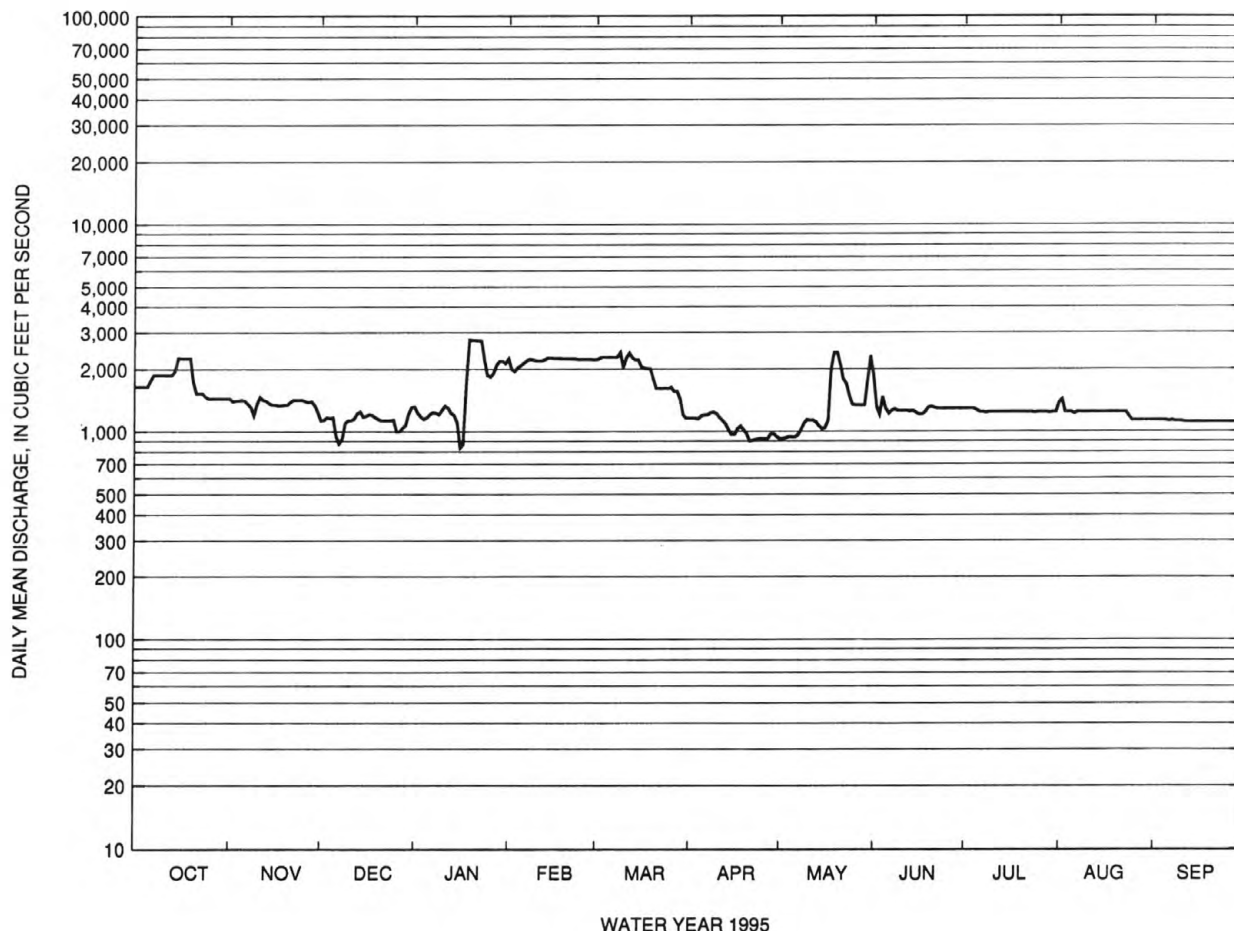
SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1906 - 1995

ANNUAL TOTAL	707634		527013				
ANNUAL MEAN	1939		1444		1899		
HIGHEST ANNUAL MEAN					2923		1974
LOWEST ANNUAL MEAN					1046		1911
HIGHEST DAILY MEAN	8510	Apr 18	2770	Jan 19	16100	May 22	1969
LOWEST DAILY MEAN	875	Dec 7	836	Jan 16	.00	Oct 31	1917
ANNUAL SEVEN-DAY MINIMUM	1040	Dec 6	916	Apr 21	152	Mar 21	1948
INSTANTANEOUS PEAK FLOW			4350	Feb 1	16500	May 22	1969
INSTANTANEOUS PEAK STAGE			4.33	Feb 1	9.40	May 22	1969
10 PERCENT EXCEEDS	2660		2230		2600		
50 PERCENT EXCEEDS	1750		1240		1700		
90 PERCENT EXCEEDS	1190		1070		1130		



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 mi².

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.

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 fair. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, combined usable capacity, 28,100,000,000 ft³, 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 daily discharge, 20,000 ft³/s, June 18, 1917, Apr. 30, 1923; minimum daily discharge, leakage only, Dec. 25, 1917, when gates in dam were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,900 ft³/s, Mar. 23, gage height, 6.35 ft; minimum daily discharge, 1,260 ft³/s, Aug. 28.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

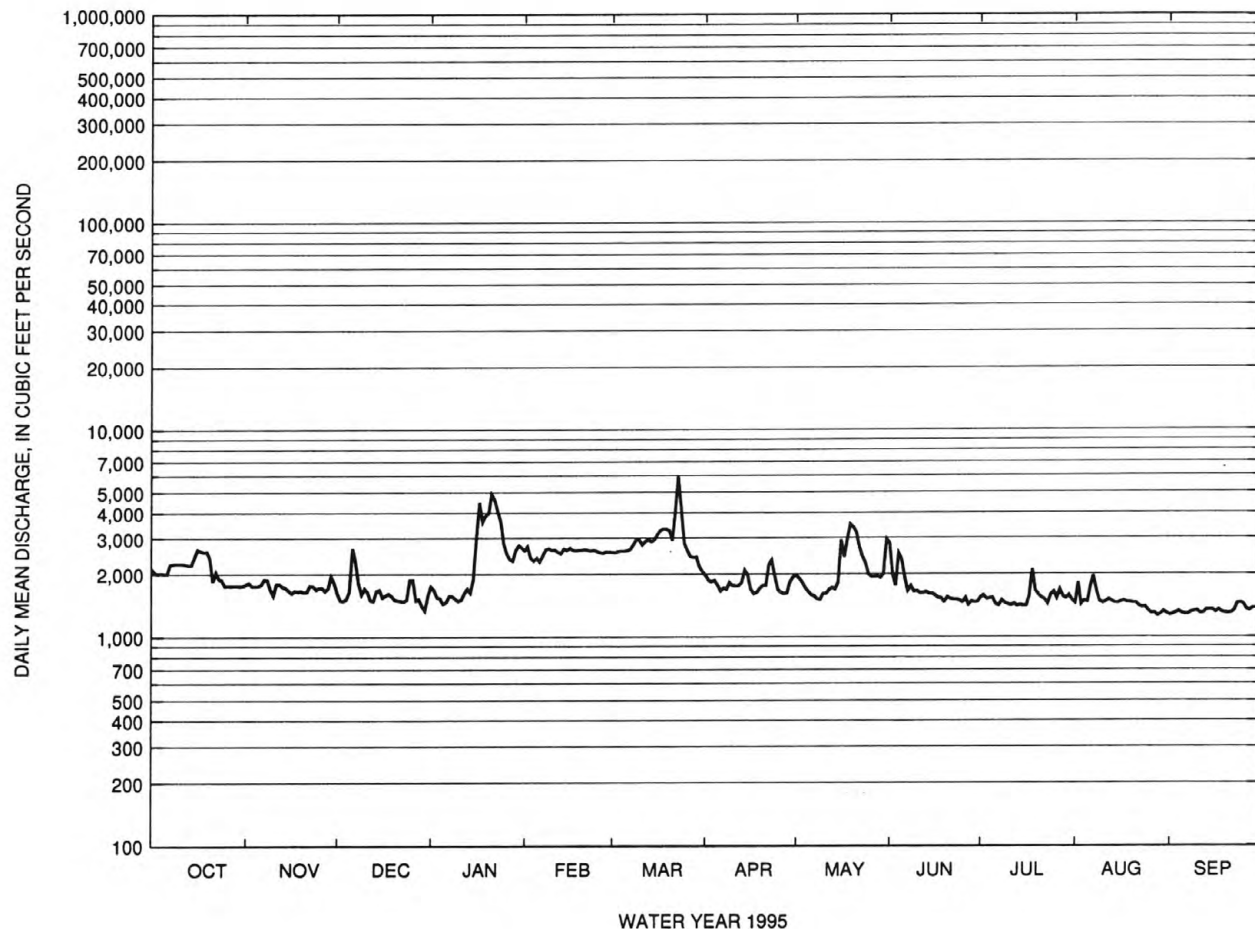
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2120	1780	1620	1740	2610	2560	1980	1980	2830	1540	1450	1270
2	2030	1810	1500	1680	2730	2550	1870	1910	1980	1580	1810	1280
3	2010	1750	1490	1550	2390	2580	1830	1830	1760	1520	1430	1300
4	2020	1750	1520	1530	2320	2590	1860	1720	2510	1530	1490	1320
5	2010	1750	1650	1440	2390	2590	1770	1650	2340	1540	1470	1290
6	2010	1780	2680	1470	2300	2610	1660	1590	1910	1430	1740	1280
7	2220	1880	2320	1570	2460	2640	1710	1570	1660	1410	1960	1280
8	2230	1870	1810	1570	2640	2780	1690	1520	1750	1500	1660	1310
9	2240	1690	1600	1530	2670	2960	1820	1510	1650	1450	1480	1320
10	2240	1580	1700	1490	2620	2940	1760	1610	1660	1430	1450	1330
11	2240	1790	1640	1510	2630	2770	1750	1610	1620	1410	1470	1290
12	2220	1790	1500	1620	2560	2890	1750	1680	1620	1440	1510	1300
13	2210	1740	1490	1700	2520	2960	1810	1720	1640	1400	1480	1340
14	2210	1720	1660	1630	2660	2880	2080	1690	1610	1420	1450	1340
15	2430	1670	1680	1890	2620	2940	1990	1820	1610	1400	1450	1340
16	2640	1620	1550	3070	2680	3140	1690	2930	1580	1400	1470	1310
17	2610	1660	1580	4470	2620	3280	1610	2410	1540	1570	1490	1340
18	2570	1650	1610	3620	2610	3330	1630	2910	1530	2100	1460	1310
19	2580	1660	1570	3880	2620	3320	1700	3500	1470	1660	1460	1300
20	2390	1640	1510	3990	2620	3270	1760	3410	1550	1590	1450	1290
21	1840	1640	1500	4890	2640	2900	1760	3210	1520	1540	1450	1300
22	2040	1760	1490	4610	2620	4030	2210	2730	1510	1510	1400	1330
23	1890	1750	1480	4060	2600	5930	2330	2430	1510	1440	1380	1440
24	1870	1690	1510	3620	2620	4140	1950	2260	1500	1590	1390	1450
25	1750	1710	1870	2830	2580	2810	1680	2000	1460	1640	1330	1430
26	1760	1720	1870	2520	2550	2620	1630	1940	1540	1530	1290	1350
27	1750	1660	1500	2360	2530	2430	1610	1940	1420	1680	1300	1330
28	1760	1710	1520	2320	2570	2410	1620	1950	1480	1560	1260	1370
29	1760	1950	1400	2620	---	2420	1830	1920	1460	1530	1280	1370
30	1750	1810	1340	2760	---	2170	1930	2010	1470	1580	1320	1380
31	1760	---	1580	2690	---	2060	---	2950	---	1500	1290	---
TOTAL	65160	51980	50740	78230	71980	91500	54270	65910	50690	47420	45320	39890
MEAN	2102	1733	1637	2524	2571	2952	1809	2126	1690	1530	1462	1330
MAX	2640	1950	2680	4890	2730	5930	2330	3500	2830	2100	1960	1450
MIN	1750	1580	1340	1440	2300	2060	1610	1510	1420	1400	1260	1270

01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2052	2074	2133	2129	2124	2446	3871	4251	2782	2025	1927	1975
MAX	4894	4292	5811	4044	3555	7684	6474	10050	10560	3895	2792	6387
(WY)	1955	1991	1974	1970	1991	1936	1976	1937	1917	1973	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

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1914 - 1995
ANNUAL TOTAL	943380	713090	
ANNUAL MEAN	2585	1954	2487
HIGHEST ANNUAL MEAN			3675
LOWEST ANNUAL MEAN			1689
			1974
			1965
HIGHEST DAILY MEAN	12000	Apr 18	5930
LOWEST DAILY MEAN	1340	Dec 30	1260
ANNUAL SEVEN-DAY MINIMUM	1520	Dec 18	1290
			Aug 27
INSTANTANEOUS PEAK FLOW			6900
INSTANTANEOUS PEAK STAGE			6.35
			Mar 23
			Mar 23
10 PERCENT EXCEEDS	4020	2740	3630
50 PERCENT EXCEEDS	2150	1710	2000
90 PERCENT EXCEEDS	1680	1390	1600



ANDROSCOGGIN RIVER BASIN

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 mi².

WATER-DISCHARGE RECORDS

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

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

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. 24 to Dec. 24, Dec. 27 to Jan. 16, and Jan. 28 to Mar. 19, and periods of doubtful gage-height record, Nov. 28 to Dec. 3, Dec. 5-8 and 13-19, which are fair. Satellite gage-height telemeter at station. Gage is operated in conjunction with precipitation gage 441852071033101, Wild River Precipitation at Beans Purchase, NH.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,600 ft³/s, Mar. 31, 1987, gage height, 13.03 ft; minimum discharge, 6.8 ft³/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, 18,100 ft³/s, from slope-area measurement of peak flow.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 21	0115	*1,970	6.13	Mar. 9	0200	Ice Jam	*7.72

Minimum discharge, 6.8 ft³/s, Sept. 3-5 and 7-9, gage height, 2.81 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	48	e61	e78	e83	e42	170	185	103	19	13	8.3
2	78	157	e54	e73	e80	e42	147	156	91	34	12	8.0
3	66	113	e52	e70	e78	e42	133	150	89	24	12	7.1
4	58	79	e52	e66	e76	e42	135	143	184	20	19	6.8
5	55	67	e115	e63	e74	e41	106	140	123	18	23	6.8
6	51	65	e700	e61	e72	e41	123	130	93	17	190	7.4
7	47	92	e270	e69	e70	e43	116	113	83	17	73	7.2
8	45	80	e148	e69	e68	e106	103	100	83	29	37	7.2
9	43	69	e120	e61	e66	e700	108	94	73	42	25	8.7
10	48	60	e107	e53	e65	e470	104	94	63	24	20	15
11	45	54	e91	e49	e63	e300	103	95	60	21	17	11
12	39	51	e73	e48	e62	e195	117	178	74	21	17	9.2
13	37	50	e71	e47	e61	e125	237	308	76	19	18	8.6
14	36	49	e69	e57	e61	e255	279	205	60	17	16	9.2
15	34	46	e64	e81	e61	e520	183	326	79	16	15	9.7
16	32	45	e59	e763	e63	e865	150	522	71	18	17	8.6
17	31	43	e60	913	e61	e620	129	262	56	51	15	8.3
18	30	42	e64	360	e57	e480	133	400	50	130	12	9.6
19	30	46	e65	226	e57	e300	170	231	45	58	10	10
20	32	44	e60	237	e57	246	207	175	38	33	10	8.8
21	76	41	e59	966	e57	411	224	151	33	26	9.5	8.3
22	75	120	e65	357	e52	947	385	225	31	24	8.8	9.4
23	59	94	e125	234	e50	423	250	167	29	21	7.8	41
24	52	e71	e370	179	e48	272	167	143	27	24	7.8	22
25	46	e61	543	157	e46	200	145	152	25	24	8.1	14
26	43	e52	241	133	e43	172	135	131	24	23	8.3	12
27	39	e42	e131	121	e41	163	134	129	22	34	8.3	13
28	37	e46	e110	e102	e42	168	138	116	21	24	8.3	15
29	36	e60	e96	e95	---	177	158	127	21	22	8.3	12
30	34	e69	e88	e90	---	195	221	170	20	21	7.9	10
31	32	---	e83	e88	---	177	---	129	---	16	7.8	---
TOTAL	1462	1956	4266	5966	1714	8780	4910	5647	1847	887	661.9	332.2
MEAN	47.2	65.2	138	192	61.2	283	164	182	61.6	28.6	21.4	11.1
MAX	96	157	700	966	83	947	385	522	184	130	190	41
MIN	30	41	52	47	41	41	103	94	20	16	7.8	6.8
CFSM	.68	.94	1.98	2.77	.88	4.07	2.35	2.62	.88	.41	.31	.16
IN.	.78	1.05	2.28	3.19	.92	4.69	2.62	3.02	.99	.47	.35	.18

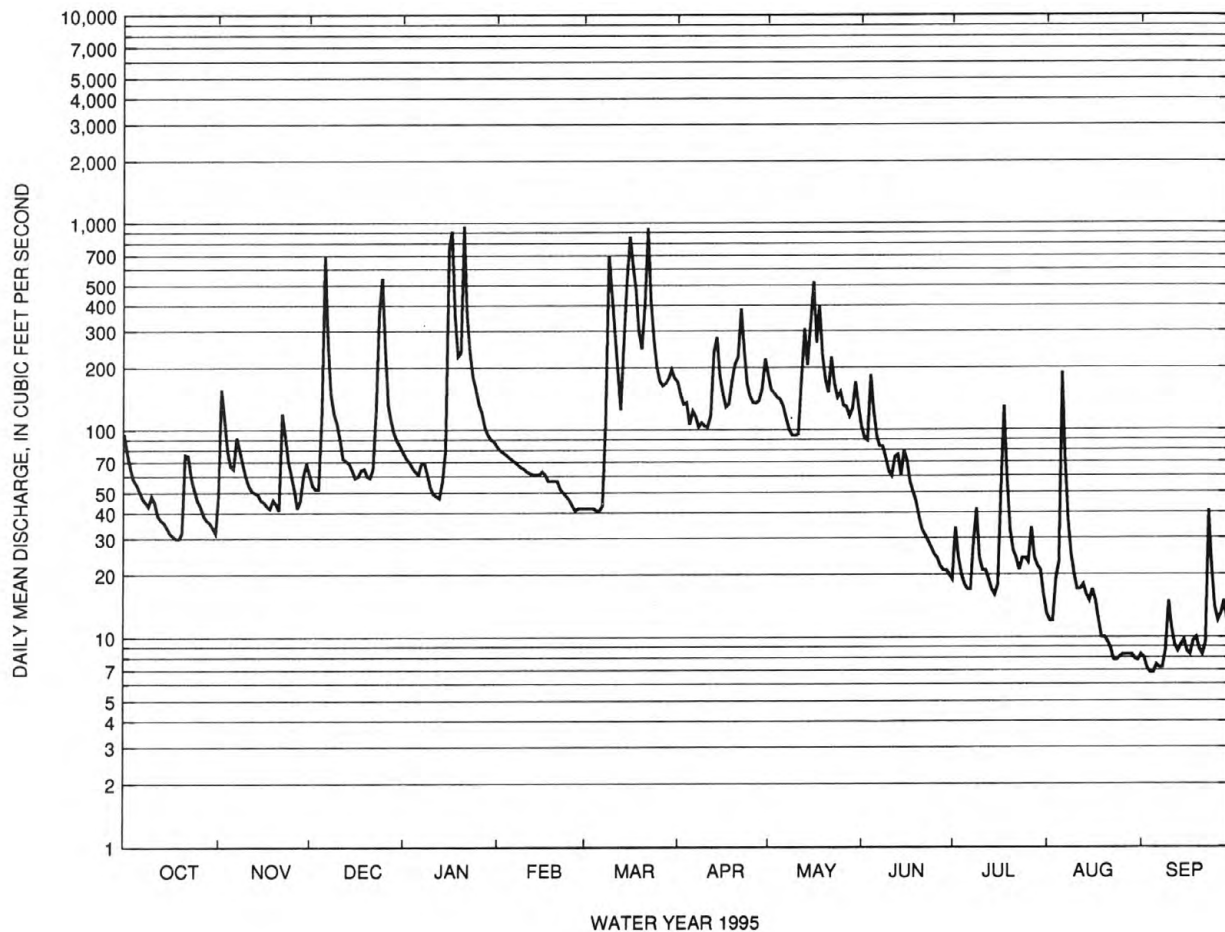
e Estimated

01054200 WILD RIVER AT GILEAD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	131	197	144	108	103	229	519	406	139	65.6	66.1	53.7
MAX	442	587	604	483	579	558	900	1028	394	245	239	237
(WY)	1978	1970	1974	1986	1981	1979	1984	1969	1973	1973	1990	1981
MIN	17.4	32.0	21.5	18.2	19.9	25.4	164	158	49.9	16.1	14.6	11.1
(WY)	1965	1979	1979	1981	1980	1967	1995	1993	1970	1991	1965	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1964 - 1995
ANNUAL TOTAL	67752	38429.1	
ANNUAL MEAN	186	105	180
HIGHEST ANNUAL MEAN			261
LOWEST ANNUAL MEAN			72.9
			1973
			1965
HIGHEST DAILY MEAN	3820	Apr 7	966
LOWEST DAILY MEAN	10	Sep 22	6.8
ANNUAL SEVEN-DAY MINIMUM	13	Sep 16	7.2
			1970
INSTANTANEOUS PEAK FLOW		Jan 21	7240
INSTANTANEOUS PEAK STAGE		Mar 9	6.8
INSTANTANEOUS LOW FLOW		Sep 3	7.2
			13600
			13.03
			6.8
			Mar 31 1987
			Mar 31 1987
			Aug 3 1991
ANNUAL RUNOFF (CFSM)	2.67	1.51	2.59
ANNUAL RUNOFF (INCHES)	36.21	20.54	35.22
10 PERCENT EXCEEDS	472	228	401
50 PERCENT EXCEEDS	60	61	74
90 PERCENT EXCEEDS	21	12	21



01054200 WILD RIVER AT GILEAD, ME--Continued

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 1994 TO SEPTEMBER 1995

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)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	
DEC	19...	1100	E 65	18	6.4	-1.0	0.0	0.20	742	13.8	97	K 1	K 1
FEB	21...	0820	E 57	19	6.4	-1.0	0.0	0.20	735	14.0	99	K 1	<1
APR	20...	0900	196	16	6.2	8.0	4.5	0.30	742	12.8	102	K 3	<1
JUN	21...	1210	32	22	6.8	28.5	21.5	0.30	748	9.0	104	K 2	>100
DATE		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)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)		
DEC	19...	5	1.2	0.45	1.1	0.20	3	2	2.6	0.40	<0.10		
FEB	21...	5	1.2	0.44	1.1	0.30	3	2	3.4	0.40	<0.10		
APR	20...	4	1.1	0.39	0.80	0.20	2	1	3.1	0.40	<0.10		
JUN	21...	5	1.3	0.47	1.2	0.40	4	3	3.4	0.40	<0.10		

E Estimated value.

K Results based on colony count outside the acceptance range (non-ideal colony count).

< Actual value is known to be less than the value shown.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)		
	DEC 19...	6.3	21	14	<0.010	--	<0.050	<0.015	--	
	FEB 21...	6.6	19	15	<0.010	--	<0.050	<0.015	--	
APR 20...	5.3	11	12	<0.010	--	<0.050	<0.015	--		
JUN 21...	6.5	24	16	<0.010	--	<0.050	0.020	0.03		
DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	
DEC 19...	<0.20	<0.010	<0.010	<0.010	80	4	<3	30	<4	
FEB 21...	<0.20	<0.010	<0.010	<0.010	60	4	<3	26	<4	
APR 20...	<0.20	<0.010	<0.010	<0.010	130	4	<3	31	8	
JUN 21...	<0.20	0.020	0.020	0.010	70	4	<3	20	<4	
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	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)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC 19...	3	<10	<1	<1	<1.0	12	<6	3	E 0.50	58
FEB 21...	<1	<10	<1	<1	<1.0	12	<6	3	E 0.50	36
APR 20...	1	<10	<1	<1	<1.0	11	<6	4	2.1	75
JUN 21...	3	<10	<1	<1	<1.0	13	<6	3	0.26	36
DATE	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)								
DEC 19...	--	--								
FEB 21...	--	--								
APR 20...	--	0.02								
JUN 21...	<0.02	0.02								

01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME

LOCATION.--Lat 44°32'33", long 70°32'50", Oxford County, Hydrologic Unit 01040002, on right bank below lower power plant of Rumford Falls Power Co. in Rumford and 1,000 ft upstream from Swift River.

DRAINAGE AREA.--2,068 mi².

PERIOD OF RECORD.--Discharge: May 1892 to current year. 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.

GAGE.--Water-stage recorder. Datum of gage is 420.00 ft above National Geodetic Vertical Datum of 1929. Aug. 1, 1937, to Nov. 19, 1979, nonrecording gages in pond above dam and in tailrace of upper plant. Prior to Aug. 1, 1937, nonrecording gages in pond and tailrace of middle plant.

REMARKS.--No estimated daily discharges. Records good. Prior to Nov. 19, 1979, discharge computed from flow over dams and through wheels. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, and Umbagog Lakes, with final regulation at Errol Dam about 84 mi upstream. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

COOPERATION.--Prior to Nov. 19, 1979, records furnished by Rumford Falls Power Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,000 ft³/s, Mar. 20, 1936; minimum daily discharge, 625 ft³/s, Mar. 27, 1911.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,500 ft³/s, Jan. 21, gage height 7.69 ft; minimum daily discharge, 982 ft³/s, Sept. 12.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

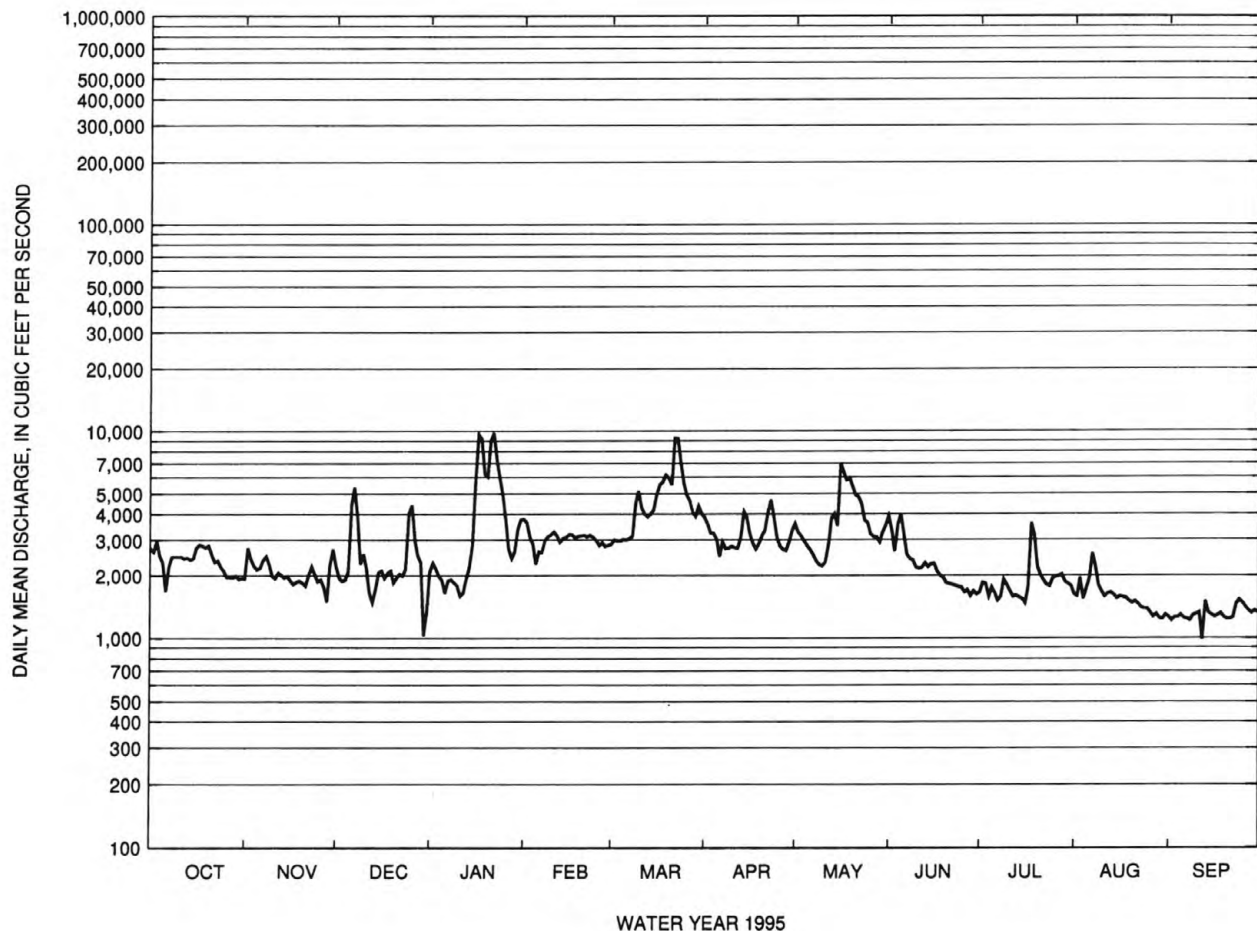
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2730	1930	2220	2080	3770	2860	3830	3590	3910	1660	1630	1270
2	2630	2750	1950	2300	3630	3010	3580	3270	3330	1850	1600	1220
3	2960	2410	1880	2150	3110	2980	3250	3130	2630	1830	1950	1260
4	2520	2220	1900	1980	2860	2970	3240	2950	3560	1590	1550	1260
5	2320	2140	2070	1900	2280	3030	3040	2810	4000	1760	1730	1300
6	1680	2170	4400	1650	2630	3000	2490	2680	3170	1660	1940	1250
7	2200	2380	5370	1880	2610	3060	2930	2530	2540	1520	2570	1240
8	2480	2500	3900	1910	2990	3120	2720	2350	2410	1590	2210	1220
9	2490	2280	2280	1850	3120	4500	2730	2250	2370	1910	1800	1290
10	2480	1990	2570	1790	3180	5140	2790	2220	2190	1810	1680	1310
11	2490	1940	2180	1600	3290	4280	2740	2320	2160	1690	1590	1330
12	2430	2060	1650	1650	3160	3990	2730	2830	2180	1590	1640	982
13	2460	2010	1490	1910	2930	3870	3080	3810	2300	1610	1660	1510
14	2400	1950	1720	2160	3060	3990	4090	4010	2200	1580	1620	1330
15	2430	1980	2070	2820	3090	4190	3850	3500	2270	1550	1560	1300
16	2740	1890	2110	5840	3200	4940	3230	7020	2290	1480	1590	1270
17	2840	1810	1940	9620	3190	5520	2890	6340	2090	1760	1580	1290
18	2810	1860	2050	9190	3080	5680	2700	5800	2000	3610	1570	1320
19	2760	1880	2110	6220	3130	6140	2860	5940	1960	3150	1510	1260
20	2820	1840	1840	6030	3150	5950	3140	5430	1850	2200	1480	1240
21	2560	1780	1940	9000	3170	5520	3350	4900	1830	2010	1510	1240
22	2330	2000	2030	9800	3120	9240	4080	4810	1810	1900	1460	1260
23	2370	2210	1990	7280	3170	9210	4640	4460	1790	1810	1410	1460
24	2210	2020	2140	5910	3100	7000	3830	3730	1770	1780	1390	1530
25	2100	1870	4020	4950	2990	5560	3080	3620	1760	1940	1390	1490
26	1960	1910	4400	3730	2820	4910	2790	3210	1670	1980	1330	1420
27	1960	1750	2990	2700	2910	4600	2690	3110	1710	1990	1270	1360
28	1950	1500	2520	2430	2790	4070	2660	3100	1600	2020	1310	1320
29	1990	2240	2310	2630	---	3900	2930	2920	1690	1870	1250	1360
30	1920	2710	1030	3400	---	4350	3350	3270	1630	1830	1240	1330
31	1940	---	1340	3760	---	4020	---	3530	---	1790	1300	---
TOTAL	73960	61980	74410	122120	85530	144600	95310	115440	68670	58320	49320	39222
MEAN	2386	2066	2400	3939	3055	4665	3177	3724	2289	1881	1591	1307
MAX	2960	2750	5370	9800	3770	9240	4640	7020	4000	3610	2570	1530
MIN	1680	1500	1030	1600	2280	2860	2490	2220	1600	1480	1240	982

01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2785	3327	3018	2713	2630	3892	8046	7294	3907	2528	2316	2374
MAX	7423	7569	10560	5408	7192	17420	14900	16650	12210	7299	4518	9296
(WY)	1978	1908	1974	1986	1981	1936	1901	1969	1917	1973	1990	1954
MIN	1447	1511	1121	1353	951	789	3177	2550	1795	1384	1451	1307
(WY)	1911	1909	1909	1909	1911	1911	1995	1941	1911	1911	1911	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1900 - 1995
ANNUAL TOTAL	1316570	988882	
ANNUAL MEAN	3607	2709	3737
HIGHEST ANNUAL MEAN			5515
LOWEST ANNUAL MEAN			2000
			1974
			1911
HIGHEST DAILY MEAN	25600	Apr 17	9800
LOWEST DAILY MEAN	1030	Dec 30	982
ANNUAL SEVEN-DAY MINIMUM	1820	Aug 31	1230
			Jan 22
			Sep 12
			Sep 6
INSTANTANEOUS PEAK FLOW		11500	Jan 21
INSTANTANEOUS PEAK STAGE		7.69	Jan 21
			68300
			Mar 19
			1936
			625
			Mar 27
			1911
			645
			Mar 21
			1911
10 PERCENT EXCEEDS	7120	4370	7090
50 PERCENT EXCEEDS	2680	2300	2600
90 PERCENT EXCEEDS	1940	1420	1780



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 mi².

PERIOD OF RECORD.--Discharge: June 1929 to current year.
Chemical analyses: Water year 1956.

REVISED RECORDS.--WSP 801: 1934(M). WSP 1301: 1937-38(M), 1942(M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 615.67 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for periods of ice effect, Nov. 24-29, Dec. 13-25, Dec. 29 to Jan. 16, and Jan. 29 to Mar. 9, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,800 ft³/s, Oct. 24, 1959, gage height, 12.87 ft, from rating curve extended above 7,000 ft³/s; minimum discharge, 3.8 ft³/s, Sept. 16, 17, 1948.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 16	0245	Ice Jam	*6.22	Jan. 17	0145	*2,430	5.44

Minimum discharge, 4.5 ft³/s, Sept. 9, gage height, 0.84 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	37	76	e92	e80	e48	237	277	169	64	35	8.1
2	65	351	65	e87	e77	e49	196	245	134	45	27	7.3
3	50	291	63	e82	e75	e49	179	236	196	32	25	6.2
4	45	141	70	e80	e73	e48	183	222	350	24	30	5.6
5	42	103	191	e77	e71	e48	148	209	187	21	40	5.2
6	39	97	582	e74	e69	e47	145	196	149	19	59	4.9
7	37	198	376	e79	e67	e48	140	167	130	18	60	4.7
8	35	144	200	e75	e66	e52	133	143	124	102	38	4.7
9	33	106	136	e71	e65	e503	146	133	106	271	27	5.6
10	40	88	125	e67	e63	877	134	131	92	90	22	12
11	45	75	112	e65	e62	495	142	130	90	55	19	14
12	37	68	84	e64	e61	159	177	421	121	43	19	9.8
13	33	65	e65	e69	e60	94	258	876	119	36	38	8.2
14	31	62	e61	e130	e60	144	381	425	92	31	31	8.6
15	29	59	e58	e500	e59	210	259	517	128	25	24	9.9
16	27	56	e57	e1230	e60	516	204	1210	98	20	33	10
17	26	52	e56	1520	e59	598	176	527	76	337	26	9.3
18	25	50	e65	543	e56	549	197	957	69	429	18	9.9
19	25	50	e65	319	e55	560	290	458	61	172	14	11
20	27	48	e64	252	e54	417	317	317	52	91	12	9.1
21	80	45	e62	843	e54	426	388	251	45	70	11	7.9
22	80	105	e60	382	e52	1150	744	306	41	59	9.5	8.8
23	58	93	e59	258	e50	547	499	241	38	45	8.4	90
24	50	e51	e146	192	e49	367	326	205	35	140	8.2	48
25	43	e46	e595	174	e48	217	277	194	32	93	8.1	27
26	40	e44	299	142	e47	185	261	170	29	71	7.8	22
27	37	e43	210	117	e47	178	246	198	26	122	7.1	32
28	35	e43	186	101	e47	198	260	177	24	70	6.8	45
29	34	e99	e137	e92	---	234	282	207	23	67	6.3	36
30	34	108	e113	e87	---	275	315	360	21	70	5.8	25
31	31	---	e100	e83	---	244	---	237	---	47	8.0	---
TOTAL	1294	2818	4538	7947	1686	9532	7640	10343	2857	2779	684.0	505.8
MEAN	41.7	93.9	146	256	60.2	307	255	334	95.2	89.6	22.1	16.9
MAX	81	351	595	1520	80	1150	744	1210	350	429	60	90
MIN	25	37	56	64	47	47	133	130	21	18	5.8	4.7
CFSM	.43	.97	1.51	2.65	.62	3.17	2.63	3.44	.98	.93	.23	.17
IN.	.50	1.08	1.74	3.05	.65	3.66	2.93	3.97	1.10	1.07	.26	.19

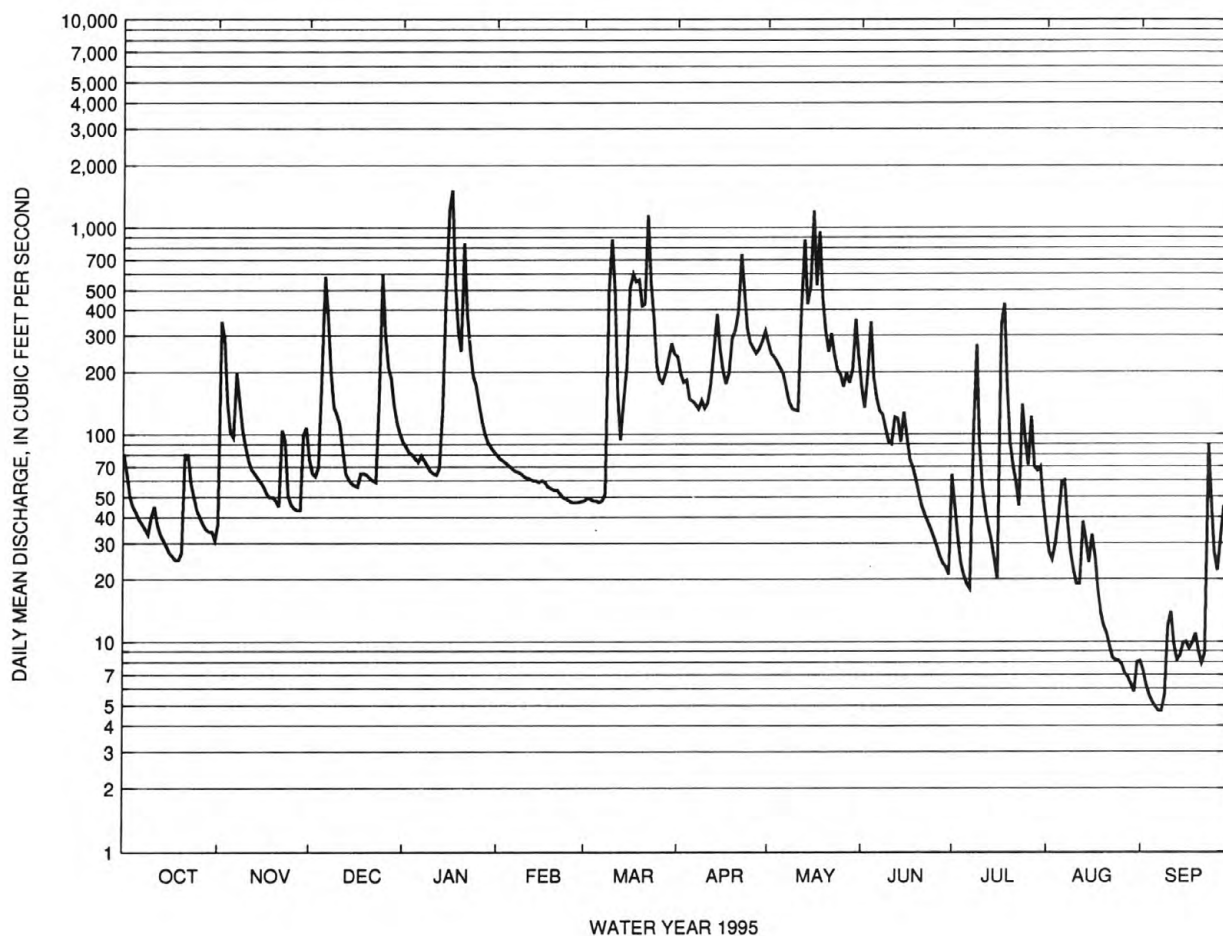
e Estimated

01055000 SWIFT RIVER NEAR ROXBURY, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	141	207	152	104	90.4	197	620	492	168	79.3	61.9	71.9
MAX	545	644	758	444	463	1315	1141	1032	482	374	277	497
(WY)	1978	1964	1974	1986	1970	1936	1951	1972	1973	1973	1991	1954
MIN	14.9	28.5	15.7	17.8	17.3	20.8	255	111	42.4	18.1	12.7	6.10
(WY)	1948	1979	1930	1948	1980	1967	1995	1941	1941	1952	1949	1948

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1930 - 1995	
ANNUAL TOTAL	62955.4		52623.8			
ANNUAL MEAN	172		144		199	
HIGHEST ANNUAL MEAN					296	
LOWEST ANNUAL MEAN					103	
HIGHEST DAILY MEAN	3000		1520		9120	
LOWEST DAILY MEAN	8.0		4.7		3.8	
ANNUAL SEVEN-DAY MINIMUM	10		5.3		4.3	
INSTANTANEOUS PEAK FLOW			2430		16800	
INSTANTANEOUS PEAK STAGE			6.22		12.87	
INSTANTANEOUS LOW FLOW			4.5		3.8	
ANNUAL RUNOFF (CFSM)	1.78		1.49		2.05	
ANNUAL RUNOFF (INCHES)	24.17		20.20		27.87	
10 PERCENT EXCEEDS	517		350		488	
50 PERCENT EXCEEDS	62		70		82	
90 PERCENT EXCEEDS	25		18		21	



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 mi².

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

PERIOD OF DAILY RECORD.--October 1994 to September 1995.

SPECIFIC CONDUCTANCE: October 1994 to September 1995.

WATER TEMPERATURE: October 1994 to September 1995.

DISSOLVED OXYGEN: October 1994 to September 1995.

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 335 μ S/cm, Sept. 11, 1995; minimum, 27 μ S/cm, Apr. 17-21, 1994.

WATER TEMPERATURE: Maximum, 27.0°C, July 7-8, Aug. 2, 1995; minimum, 0.0°C, on many days Dec. to Mar. 1993 to 1995.

DISSOLVED OXYGEN: Maximum, 15.7 mg/L, Mar. 20, 1995; minimum, 3.8 mg/L, July 9, 1995.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	103	87	98	174	159	168	151	132	140	201	138	156
2	126	102	110	168	116	144	145	133	138	177	135	158
3	123	95	107	117	101	109	146	145	145	136	130	133
4	137	96	112	113	94	99	147	145	146	146	133	141
5	127	103	114	136	109	118	150	143	145	179	139	157
6	142	113	124	139	112	124	152	103	134	179	154	173
7	153	132	146	140	97	106	103	74	88	189	141	158
8	161	130	149	108	94	99	84	72	78	166	140	153
9	138	117	126	116	104	108	101	84	95	162	139	151
10	145	125	132	122	106	114	113	100	107	160	148	154
11	157	119	137	140	114	124	138	105	117	180	156	164
12	155	124	134	153	134	146	145	117	130	211	180	194
13	133	107	121	145	135	141	200	145	168	213	184	201
14	131	106	117	152	133	145	182	159	170	189	166	175
15	126	106	118	149	133	143	165	150	157	166	146	155
16	133	104	116	133	124	127	182	148	157	159	101	134
17	119	103	109	138	126	132	184	170	176	101	55	71
18	109	102	105	152	138	146	171	160	165	55	53	53
19	113	105	108	163	150	155	161	144	151	61	53	57
20	121	106	111	161	143	149	153	146	150	69	60	64
21	139	103	115	164	149	160	157	150	153	69	58	66
22	154	120	137	167	156	162	160	154	158	58	50	52
23	141	118	128	165	139	152	164	155	159	57	51	54
24	143	126	134	167	143	154	162	140	151	66	57	63
25	161	135	147	148	137	141	144	115	135	70	66	67
26	168	148	162	149	137	144	115	99	103	82	69	76
27	164	153	159	148	141	145	109	96	103	104	79	95
28	166	157	162	149	148	148	115	100	109	122	104	111
29	167	161	164	164	148	156	134	110	125	122	119	120
30	167	148	158	161	148	153	176	118	150	121	107	116
31	159	138	150	---	---	---	201	152	161	109	103	106
MONTH	168	87	129	174	94	137	201	72	138	213	50	120

01055100 ANDROSCOGGIN RIVER AT JAY, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	15.0	14.0	14.5	10.5	10.0	10.5	1.5	1.0	1.0	1.5	.5	1.0
2	14.0	13.0	13.5	10.5	10.0	10.0	1.0	1.0	1.0	.5	.5	.5
3	13.0	11.5	12.0	10.0	8.5	9.0	1.5	1.0	1.0	.5	.5	.5
4	12.0	11.5	12.0	8.5	8.5	8.5	2.0	1.5	1.5	.5	.5	.5
5	12.0	11.5	12.0	9.0	8.0	8.5	2.5	2.0	2.0	1.0	.5	.5
6	12.0	11.0	11.5	9.0	8.5	9.0	2.5	1.5	2.0	1.0	.5	1.0
7	12.5	11.5	12.0	9.0	8.0	8.5	2.0	1.5	2.0	1.0	.5	.5
8	13.0	12.0	12.5	8.0	7.5	8.0	2.0	1.5	1.5	1.0	.5	.5
9	14.0	12.5	13.0	8.5	7.5	8.0	1.5	1.0	1.5	1.0	.5	.5
10	14.0	13.5	14.0	8.0	7.0	7.5	1.0	.5	1.0	.5	.5	.5
11	14.0	12.5	13.0	7.0	6.0	6.0	1.0	.5	1.0	.5	.5	.5
12	12.5	11.5	12.0	6.0	5.5	5.5	1.0	.5	.5	1.0	.5	.5
13	12.0	11.0	11.5	6.0	5.5	5.5	1.5	1.0	1.0	1.0	.5	.5
14	11.5	10.5	11.0	5.5	5.5	5.5	1.0	1.0	1.0	.5	.5	.5
15	11.5	10.5	11.0	6.0	5.5	5.5	1.0	.5	.5	.5	.5	.5
16	11.5	10.0	10.5	6.0	6.0	6.0	.5	.5	.5	.5	.0	.5
17	11.0	10.0	10.5	6.0	5.5	6.0	.5	.5	.5	.0	.0	.0
18	10.5	9.5	10.0	5.5	5.5	5.5	.5	.5	.5	.0	.0	.0
19	11.0	9.5	10.5	6.0	5.5	5.5	.5	.5	.5	.5	.0	.0
20	11.5	11.0	11.0	6.0	5.5	5.5	.5	.5	.5	.5	.5	.5
21	12.0	11.0	11.5	5.5	5.0	5.0	.5	.5	.5	.5	.5	.5
22	12.5	12.0	12.0	5.5	5.0	5.0	.5	.5	.5	.5	.5	.5
23	13.0	12.5	12.5	5.5	4.0	5.0	1.0	.5	.5	.5	.5	.5
24	13.5	13.0	13.0	4.0	2.5	3.0	.5	.5	.5	.5	.0	.5
25	13.5	13.0	13.0	2.5	1.5	2.0	1.0	.5	1.0	.5	.0	.5
26	13.0	12.5	12.5	2.0	1.5	1.5	1.0	.5	.5	.5	.0	.5
27	12.5	11.5	12.0	1.5	1.0	1.0	.5	.5	.5	.5	.0	.5
28	11.5	11.0	11.5	1.0	1.0	1.0	.5	.5	.5	.5	.5	.5
29	11.0	10.5	10.5	1.0	.5	1.0	1.0	.0	.5	.5	.5	.5
30	10.5	10.0	10.5	1.5	.5	1.0	1.0	.0	.5	.5	.5	.5
31	10.5	10.0	10.0	---	---	---	1.5	.5	1.0	.5	.5	.5
MONTH	15.0	9.5	11.8	10.5	.5	5.6	2.5	.0	.9	1.5	.0	.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	.5	.0	.5	.5	.5	.5	5.0	4.5	4.5	9.0	8.0	8.5
2	.5	.5	.5	.5	.5	.5	5.0	4.5	4.5	10.0	9.0	9.5
3	.5	.5	.5	.5	.5	.5	5.5	4.5	5.0	11.0	9.5	10.5
4	.5	.5	.5	.5	.5	.5	6.0	4.0	5.0	11.5	10.5	11.0
5	.5	.5	.5	.5	.5	.5	4.0	1.5	3.0	12.5	11.0	11.5
6	.5	.5	.5	.5	.5	.5	2.0	1.0	1.5	12.5	11.0	12.0
7	.5	.5	.5	.5	.5	.5	3.5	1.0	2.0	11.5	10.5	11.0
8	.5	.5	.5	.5	.5	.5	4.0	2.5	3.0	11.0	9.5	10.5
9	.5	.5	.5	.5	.0	.5	5.0	3.0	4.0	12.0	10.0	11.0
10	.5	.5	.5	.0	.0	.0	5.5	4.0	4.5	13.0	11.5	12.0
11	.5	.5	.5	.5	.0	.0	7.0	4.5	5.5	13.0	12.0	12.5
12	.5	.5	.5	.5	.0	.5	6.5	5.0	5.5	13.0	12.0	12.5
13	.5	.5	.5	1.0	.5	.5	7.0	5.0	6.0	12.0	11.5	12.0
14	.5	.5	.5	1.0	.5	1.0	7.0	6.0	6.5	12.5	11.5	12.0
15	.5	.5	.5	1.0	1.0	1.0	6.5	6.0	6.0	13.0	12.5	13.0
16	.5	.5	.5	1.5	1.0	1.0	6.0	5.5	6.0	12.5	12.0	12.0
17	.5	.5	.5	1.0	.5	1.0	6.5	5.5	6.0	12.0	11.0	11.0
18	.5	.5	.5	2.0	.5	1.0	7.5	6.0	6.5	11.5	11.0	11.0
19	.5	.5	.5	2.0	1.0	1.5	8.0	6.5	7.5	12.5	11.0	11.5
20	.5	.5	.5	2.0	.5	1.0	8.5	6.5	7.5	13.0	12.5	12.5
21	.5	.5	.5	3.0	1.5	2.0	9.0	8.0	8.5	13.5	13.0	13.0
22	.5	.5	.5	3.0	3.0	3.0	9.0	8.0	8.5	14.5	13.5	14.0
23	.5	.5	.5	3.0	2.0	2.5	8.5	7.5	8.0	15.5	14.0	14.5
24	.5	.5	.5	2.5	2.5	2.5	8.5	8.0	8.0	15.5	15.0	15.5
25	.5	.5	.5	3.0	2.0	2.5	9.0	8.5	9.0	16.5	15.0	16.0
26	.5	.5	.5	3.5	2.5	2.5	10.0	9.0	9.5	16.5	15.5	16.5
27	.5	.5	.5	4.0	3.0	3.5	10.0	9.0	9.5	16.0	15.5	16.0
28	.5	.5	.5	5.0	4.0	4.5	10.0	9.0	9.5	16.5	15.5	16.0
29	---	---	---	5.5	4.5	5.0	9.0	8.5	9.0	16.5	15.0	16.0
30	---	---	---	5.5	5.5	5.5	9.0	8.0	8.5	16.0	15.0	15.5
31	---	---	---	5.5	5.0	5.0	---	---	---	16.5	16.0	16.0
MONTH	.5	.0	.5	5.5	.0	1.7	10.0	1.0	6.3	16.5	8.0	12.8

01055100 ANDROSCOGGIN RIVER AT JAY, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	18.0	16.0	17.5	26.5	25.5	26.0	---	---	---	21.0	20.5	21.0
2	20.0	18.0	19.0	26.5	26.0	26.0	27.0	26.5	26.5	21.0	20.5	21.0
3	21.5	20.0	20.5	26.5	25.5	26.0	26.5	25.5	26.0	21.5	20.5	21.0
4	20.5	20.0	20.5	26.0	25.0	25.5	25.5	24.5	25.0	21.5	20.5	21.0
5	20.0	19.0	19.5	26.0	25.0	25.5	24.5	24.0	24.5	21.0	20.5	20.5
6	20.0	19.0	19.5	26.5	25.5	25.5	24.5	24.0	24.0	21.5	21.0	21.0
7	20.5	19.5	20.0	27.0	26.0	26.5	24.0	23.0	23.0	21.5	21.0	21.0
8	20.0	19.5	19.5	27.0	26.5	26.5	24.0	22.0	23.0	21.5	20.5	21.0
9	20.5	19.0	20.0	26.5	25.5	26.0	24.5	23.0	24.0	21.0	20.0	20.5
10	21.0	19.5	20.0	25.5	24.5	25.0	25.5	24.5	25.0	20.0	19.5	19.5
11	20.5	19.5	19.5	25.0	24.0	24.5	26.5	25.0	25.5	19.5	18.5	19.0
12	19.5	18.5	19.0	24.5	24.0	24.0	26.5	25.5	26.0	19.0	18.0	18.5
13	19.5	18.5	19.0	24.5	23.5	24.0	26.0	25.5	26.0	19.0	18.0	18.5
14	19.5	19.0	19.0	26.0	24.5	25.0	26.0	25.0	25.5	19.0	18.5	19.0
15	19.5	18.5	19.0	26.0	25.5	26.0	25.5	25.0	25.0	19.0	18.0	18.0
16	19.0	18.0	18.5	26.5	25.5	26.0	26.0	24.5	25.0	18.0	17.0	17.5
17	20.0	18.5	19.0	26.0	24.0	25.0	26.0	24.5	25.5	18.0	17.0	17.0
18	20.0	19.0	19.5	24.0	21.5	23.0	26.5	26.0	26.0	17.5	17.0	17.0
19	23.0	20.0	21.5	21.5	21.0	21.0	26.0	25.0	25.5	17.5	16.5	17.0
20	24.0	23.0	23.5	22.0	21.0	21.5	25.5	24.5	25.0	17.5	16.5	17.0
21	24.0	23.5	23.5	22.5	21.5	22.0	25.5	24.5	25.0	17.5	16.0	17.0
22	24.5	23.5	23.5	23.5	22.5	23.0	25.0	24.5	24.5	17.5	17.0	17.0
23	25.0	24.0	24.5	24.5	23.5	24.0	24.5	24.0	24.0	17.5	17.0	17.0
24	25.5	24.5	25.0	25.0	24.0	24.5	24.0	22.5	23.0	17.0	16.0	16.5
25	26.0	25.0	25.0	26.0	24.5	25.0	22.5	21.5	22.0	16.5	15.5	16.0
26	26.5	25.5	26.0	26.0	26.0	26.0	22.0	21.0	21.5	15.5	15.5	15.5
27	26.5	26.0	26.0	26.0	25.5	26.0	22.0	21.0	21.5	15.5	15.0	15.5
28	26.0	25.0	25.5	26.5	26.0	26.0	22.0	21.0	21.5	15.5	14.5	15.0
29	25.5	24.5	25.0	26.5	25.5	26.0	22.0	21.0	21.5	15.5	14.5	14.5
30	26.0	24.5	25.5	26.0	25.0	25.5	21.5	20.5	21.0	15.0	14.0	14.5
31	---	---	---	---	---	---	21.0	21.0	21.0	---	---	---
MONTH	26.5	16.0	21.4	27.0	21.0	24.9	27.0	20.5	24.1	21.5	14.0	18.1
YEAR	27.0	.0	10.7									

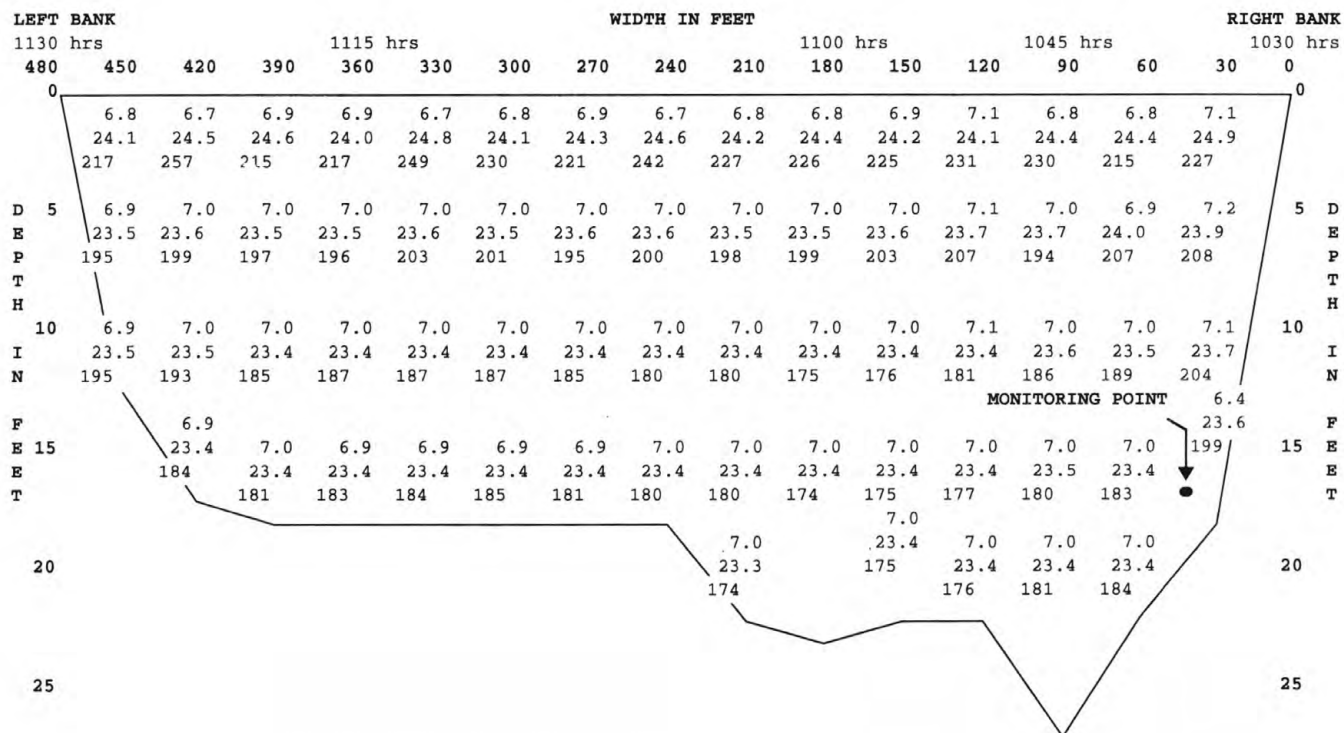
OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	9.9	9.3	9.6	10.8	9.6	10.2	14.7	14.1	14.3	14.2	12.9	13.7
2	10.8	8.7	9.9	10.6	10.0	10.3	14.6	13.4	14.0	13.7	12.7	13.3
3	10.9	9.8	10.4	10.5	9.5	10.2	14.3	13.7	14.0	13.6	13.1	13.4
4	11.0	10.1	10.6	10.8	10.0	10.5	13.9	13.5	13.8	13.9	12.9	13.3
5	11.1	9.9	10.6	11.0	9.9	10.6	14.1	13.4	13.7	13.9	12.3	13.1
6	10.9	9.5	10.6	11.0	10.4	10.7	14.3	13.7	14.0	13.4	12.2	12.8
7	10.6	9.5	10.0	11.0	10.4	10.8	14.4	13.6	14.1	13.7	12.7	13.3
8	10.9	10.0	10.5	10.9	10.2	10.6	14.3	13.8	14.2	13.7	12.5	13.2
9	10.7	8.9	10.2	11.4	10.2	10.8	14.3	12.3	13.5	13.6	12.5	13.1
10	10.5	10.0	10.2	11.3	10.2	10.8	14.7	13.8	14.3	13.3	12.3	13.0
11	10.5	9.8	10.1	11.6	10.7	11.2	14.8	13.2	14.1	13.3	11.8	12.6
12	10.7	9.9	10.3	11.4	9.7	10.6	14.6	13.0	14.1	13.2	12.1	12.8
13	11.3	9.9	10.6	11.5	9.4	10.7	13.9	11.7	12.8	13.1	11.6	12.7
14	11.3	10.6	11.1	11.4	10.3	10.9	13.8	11.8	13.1	13.1	12.6	12.8
15	11.3	10.4	10.9	11.8	10.2	11.1	14.1	12.2	12.8	13.1	12.6	12.9
16	11.4	10.5	11.0	12.2	10.8	11.6	14.3	12.3	13.6	14.1	12.9	13.3
17	11.4	10.8	11.1	12.3	11.3	12.0	14.1	11.9	12.7	15.2	14.0	14.6
18	11.7	10.8	11.2	12.4	11.5	12.0	13.4	11.5	12.2	15.6	15.1	15.4
19	11.4	10.4	11.0	12.4	11.6	12.1	14.1	11.3	13.5	15.4	14.8	15.1
20	11.3	10.5	10.9	12.5	11.8	12.2	13.6	11.5	12.6	14.8	14.4	14.6
21	11.0	9.9	10.4	12.7	11.7	12.2	14.0	10.9	12.2	14.8	14.3	14.5
22	10.5	9.7	10.1	12.7	12.0	12.4	14.0	11.0	12.1	15.1	14.8	15.0
23	10.5	9.4	9.8	13.0	11.7	12.3	13.8	11.4	12.2	15.1	14.6	14.9
24	10.0	9.1	9.5	13.3	12.6	13.0	14.1	13.0	13.6	14.7	14.5	14.7
25	10.0	9.2	9.5	13.7	12.9	13.2	14.0	13.2	13.5	14.7	14.5	14.6
26	10.0	9.1	9.5	14.0	13.3	13.7	14.6	13.6	14.3	14.6	14.3	14.4
27	10.2	9.4	9.8	14.2	13.3	13.7	15.0	13.8	14.4	14.5	14.2	14.3
28	10.4	9.8	10.0	14.5	14.0	14.3	14.7	13.6	14.0	14.3	14.2	14.2
29	10.6	9.9	10.3	14.5	13.2	14.1	14.1	13.4	13.7	14.4	14.2	14.3
30	10.8	10.3	10.6	14.4	13.9	14.2	14.1	13.3	13.7	14.4	14.0	14.3
31	11.0	10.1	10.6	---	---	---	14.3	12.9	13.7	14.3	14.1	14.3
MONTH	11.7	8.7	10.4	14.5	9.4	11.8	15.0	10.9	13.5	15.6	11.6	13.8

01055100 ANDROSCOGGIN RIVER AT JAY, ME--Continued

CROSS SECTION OF OXYGEN DISSOLVED (DO), MG/L, AND WATER TEMPERATURE (WT), DEG C
AND SPECIFIC CONDUCTANCE (SC), US/CM, AT 25 DEG C
(LOOKING DOWNSTREAM)

JULY 13, 1995



DAILY MEAN DISCHARGE

1,928 ft³/s

RECORDED HOURLY VALUES

	1000	1100	1200
DO	6.3	6.6	6.3
WT	23.5	23.6	23.7
SC	194	192	188

CROSS SECTION VALUES

	Max	Min	Mean
DO	7.2	6.4	7.0
WT	24.9	23.3	23.7
SC	257	174	198

RECORDED DAILY VALUES

	Max	Min	Mean
DO	8.0	3.9	6.5
WT	24.5	23.5	24.0
SC	194	173	186

01055500 NEZINSCOT RIVER AT TURNER CENTER, ME

LOCATION.--Lat 44°16'10", long 70°13'49", Androscoggin County, Hydrologic Unit 01040002, on left bank 500 ft upstream from Rte. 117 highway bridge at Turner Center and 3.6 mi upstream from mouth.

DRAINAGE AREA.--169 mi².

PERIOD OF RECORD.--Discharge: August 1941 to current year.
Chemical analyses: Water years 1955, 1961.

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

GAGE.--Water-stage recorder. Datum of gage is 276.29 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for periods of ice effect, Dec. 8-20, 23, 27, Dec. 29 to Jan. 17, and Jan. 24 to Mar. 21, which are fair, and periods of no gage-height record, July 16-31 and Aug. 2-25, which are poor. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,900 ft³/s, Mar. 27, 1953, gage height, 11.18 ft; minimum discharge, 5.6 ft³/s, Aug. 29, 1956, gage height, 0.72 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,700 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 29	1245	Ice Jam	*4.40	Mar. 23	0830	*1,270	3.83

Minimum discharge, 10 ft³/s, Sept. 21, gage height, 0.78 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	70	114	e181	e205	e126	732	229	217	39	28	15
2	83	193	105	e179	e200	e129	643	212	177	39	e24	15
3	71	354	100	e178	e191	e126	540	194	149	38	e22	15
4	63	304	100	e160	e182	e121	500	183	263	35	e24	15
5	57	220	149	e145	e172	e118	485	171	304	33	e29	14
6	53	179	419	e135	e165	e141	378	164	226	31	e43	14
7	49	160	514	e133	e159	e155	412	151	180	30	e60	15
8	46	149	e382	e130	e151	e181	382	137	165	30	e52	15
9	44	136	e246	e123	e149	e459	367	129	152	34	e43	14
10	45	121	e216	e119	e145	e642	356	124	132	33	e35	14
11	42	106	e191	e110	e142	e634	336	122	119	33	e30	14
12	40	95	e176	e107	e140	e583	320	153	117	31	e26	14
13	39	89	e160	e118	e134	e510	416	297	132	29	e23	13
14	39	83	e150	e145	e128	e418	545	400	130	27	e21	13
15	49	80	e142	e250	e120	e365	495	351	194	25	e19	13
16	53	75	e135	e500	e124	e362	420	559	233	e23	e17	12
17	54	71	e128	e1000	e128	e415	359	640	186	e44	e22	12
18	56	70	e122	943	e129	e507	316	743	144	e100	e21	12
19	56	78	e120	704	e127	e642	294	720	119	e85	e19	11
20	55	79	e118	547	e130	e716	311	557	100	e55	e18	11
21	64	76	115	898	e129	e811	304	439	85	e42	e18	11
22	76	129	116	1130	e125	1080	330	393	77	e35	e17	12
23	79	183	e120	936	e120	1240	336	377	68	e30	e17	14
24	75	158	302	e694	e131	1110	298	325	61	e38	e16	12
25	70	130	754	e550	e133	877	261	276	56	e41	e16	12
26	65	112	776	e420	e120	715	234	225	53	e30	16	12
27	61	92	e549	e330	e118	640	215	197	49	e29	16	12
28	58	95	433	e260	e126	629	206	181	45	e28	16	12
29	57	99	e305	e228	---	620	219	180	42	e30	15	12
30	55	114	e215	e212	---	620	228	241	41	e37	15	12
31	54	---	e183	e210	---	657	---	248	---	e31	15	---
TOTAL	1807	3900	7655	11775	4023	16349	11238	9318	4016	1165	753	392
MEAN	58.3	130	247	380	144	527	375	301	134	37.6	24.3	13.1
MAX	99	354	776	1130	205	1240	732	743	304	100	60	15
MIN	39	70	100	107	118	118	206	122	41	23	15	11
CFSM	.34	.77	1.46	2.25	.85	3.12	2.22	1.78	.79	.22	.14	.08
IN.	.40	.86	1.69	2.59	.89	3.60	2.47	2.05	.88	.26	.17	.09

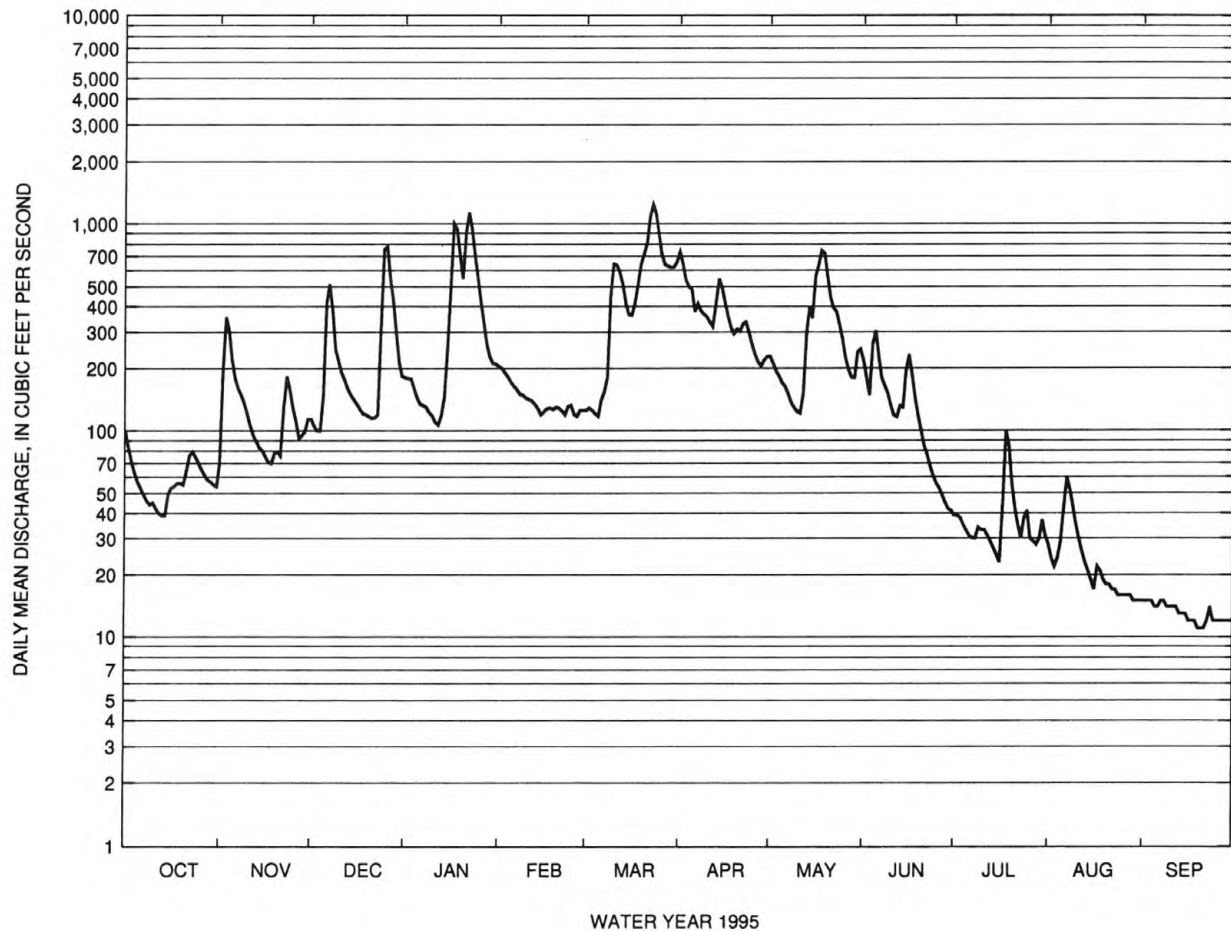
e Estimated

01055500 NEZINSCOT RIVER AT TURNER CENTER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	163	304	301	210	220	490	967	446	222	109	81.3	82.2
MAX	852	828	1384	827	1066	1747	1769	1102	695	536	440	883
(WY)	1978	1984	1974	1978	1970	1953	1969	1989	1984	1973	1976	1954
MIN	22.1	45.3	46.4	38.2	40.3	101	333	148	44.7	23.7	20.5	13.1
(WY)	1948	1953	1979	1948	1980	1967	1981	1959	1964	1965	1970	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1942 - 1995	
ANNUAL TOTAL	91703		72391			
ANNUAL MEAN	251		198		299	
HIGHEST ANNUAL MEAN					482	1984
LOWEST ANNUAL MEAN					144	1965
HIGHEST DAILY MEAN	2750		1240		10800	Mar 27 1953
LOWEST DAILY MEAN	18		11		5.8	Aug 28 1956
ANNUAL SEVEN-DAY MINIMUM	19		12		6.6	Aug 24 1956
INSTANTANEOUS PEAK FLOW			1270		13900	Mar 27 1953
INSTANTANEOUS PEAK STAGE			4.40		11.18	Mar 27 1953
INSTANTANEOUS LOW FLOW			10		5.6	Aug 29 1956
ANNUAL RUNOFF (CFSM)	1.49		1.17		1.77	
ANNUAL RUNOFF (INCHES)	20.19		15.93		24.05	
10 PERCENT EXCEEDS	563		542		728	
50 PERCENT EXCEEDS	112		126		145	
90 PERCENT EXCEEDS	32		16		35	



LOCATION.--Lat 44°15'21", long 70°10'48", Androscoggin County, Hydrologic Unit 01040002, on right downstream end of Turner Bridge, 2.5 mi below mouth of Nezinscot River and 7.9 mi above Gulf Island Dam.

PERIOD OF RECORD. --June 1994 to September 1995 (discontinued). Continuous water temperature records were collected at this site at different monitoring points from May to September 1981.

DISSOLVED OXYGEN: Seasonal records June 1994 to September 1995.

EXTREMES FOR PERIOD OF DAILY RECORD. - -

DISSOLVED OXYGEN: Maximum, 11.4 mg/L, Sept. 30, 1995; minimum, 5.0 mg/L, Sept. 3, 1995.

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	99	95	98	164	154	160	176	169	173	225	214	218
2	95	91	92	165	162	164	172	169	171	227	224	225
3	94	90	92	168	164	166	173	168	169	231	226	228
4	94	93	94	177	168	175	173	170	171	234	230	233
5	101	94	97	180	177	179	181	173	178	236	234	235
6	101	88	96	181	179	179	179	174	176	240	236	238
7	92	85	89	182	181	182	190	177	184	242	239	241
8	102	91	97	182	177	180	191	188	189	244	240	241
9	103	95	100	179	170	174	192	188	190	247	244	246
10	105	95	100	185	171	178	191	173	182	253	246	250
11	112	105	109	203	183	190	173	160	164	253	249	252
12	112	109	110	212	197	205	161	155	157	249	238	243
13	116	109	113	207	187	196	161	158	160	245	237	239
14	118	115	116	187	169	178	167	161	164	261	245	253
15	117	116	117	181	167	172	175	166	170	284	259	271
16	118	116	117	178	172	175	179	175	177	286	270	281
17	121	118	120	182	178	180	178	175	176	270	229	248
18	118	114	116	198	182	192	189	178	184	229	200	213
19	117	109	112	203	187	197	189	188	188	200	187	194
20	124	114	118	187	141	166	199	188	193	187	172	178
21	134	124	128	141	118	127	206	199	204	180	172	175
22	145	134	140	119	110	114	206	204	205	194	179	186
23	148	144	146	117	110	113	210	205	207	203	194	199
24	148	145	146	126	115	120	220	213	217	212	201	206
25	152	145	149	136	124	131	221	213	219	229	212	222
26	153	146	150	141	134	136	213	205	208	232	229	230
27	150	146	147	---	---	---	208	206	207	237	232	235
28	158	150	153	---	---	---	208	206	207	234	230	232
29	164	158	162	---	---	---	213	208	210	233	229	231
30	163	154	159	---	---	---	214	212	213	233	218	226
31	---	---	---	---	---	---	214	212	213	---	---	---
MONTH PERIOD	164 286	85 85	119 176	212	110	166	221	155	188	286	172	229

01055700 ANDROSCOGGIN RIVER AT TURNER BRIDGE, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	18.5	16.5	17.5	26.0	25.0	25.5	26.5	25.5	26.0	21.0	20.5	21.0
2	19.5	18.0	18.5	26.5	25.5	26.0	26.5	26.0	26.0	21.0	21.0	21.0
3	20.5	19.5	20.0	26.0	25.5	25.5	26.5	25.5	26.0	21.0	20.5	20.5
4	21.0	20.0	20.5	26.0	25.0	25.5	26.0	25.0	25.5	21.0	20.5	20.5
5	21.0	20.0	20.5	26.5	25.5	26.0	25.0	24.5	25.0	21.5	20.5	21.0
6	21.0	20.5	21.0	26.5	26.0	26.0	24.5	24.0	24.5	21.0	20.5	21.0
7	21.0	20.5	20.5	27.0	26.0	26.5	24.0	23.5	24.0	21.5	20.5	21.0
8	20.5	20.0	20.0	27.0	26.0	26.5	24.0	23.5	24.0	21.5	21.0	21.0
9	20.5	19.5	20.0	26.0	26.0	26.0	24.5	24.0	24.0	21.0	20.5	21.0
10	20.5	19.5	20.0	26.0	25.0	25.5	25.0	24.0	24.5	20.5	20.0	20.5
11	20.5	20.0	20.0	25.0	24.5	24.5	26.0	24.5	25.0	20.0	19.0	19.5
12	20.0	19.0	19.5	24.5	24.0	24.5	26.0	25.0	25.5	19.5	19.0	19.0
13	19.5	18.5	19.0	25.0	24.5	24.5	26.0	25.5	25.5	19.0	18.5	19.0
14	20.0	19.0	19.5	25.5	24.5	25.0	25.5	25.0	25.5	19.5	18.5	19.0
15	19.5	19.0	19.0	25.0	24.5	25.0	26.0	25.0	25.5	19.5	18.5	19.0
16	19.0	18.0	18.5	25.5	25.0	25.0	25.5	25.0	25.0	19.0	18.5	18.5
17	20.0	18.5	19.0	25.5	24.5	25.0	25.5	25.0	25.5	18.5	18.0	18.0
18	20.0	19.5	20.0	24.5	23.5	24.0	26.0	25.0	25.5	18.0	17.5	17.5
19	21.5	20.0	20.5	24.0	22.5	23.0	26.0	25.5	25.5	17.5	17.0	17.0
20	23.0	21.0	22.0	23.5	23.0	23.5	25.5	25.0	25.0	17.0	16.5	16.5
21	23.5	22.5	23.0	23.5	22.5	23.0	25.0	24.5	24.5	17.0	16.5	17.0
22	24.0	22.5	23.0	23.5	22.5	23.0	25.0	24.5	24.5	17.0	17.0	17.0
23	24.5	23.5	23.5	23.5	23.0	23.5	24.5	23.5	24.0	17.0	17.0	17.0
24	25.0	24.0	24.0	24.0	23.5	23.5	24.0	23.5	24.0	17.0	16.5	17.0
25	25.0	24.5	25.0	25.0	23.5	24.0	23.5	22.0	22.5	16.5	16.0	16.5
26	25.5	24.5	25.0	25.5	25.0	25.0	22.0	21.5	22.0	16.0	15.5	16.0
27	25.5	25.0	25.5	---	---	---	22.0	21.5	22.0	16.0	15.5	15.5
28	25.5	25.0	25.5	---	---	---	21.5	21.0	21.5	16.0	15.5	15.5
29	25.0	24.5	25.0	---	---	---	21.5	21.0	21.5	15.5	15.5	15.5
30	25.0	24.5	25.0	---	---	---	22.0	21.0	21.5	15.5	15.0	15.0
31	---	---	---	---	---	---	21.5	21.0	21.5	---	---	---
MONTH PERIOD	25.5 27.0	16.5 15.0	21.5 22.0	27.0	22.5	25.0	26.5	21.0	24.5	21.5	15.0	18.5

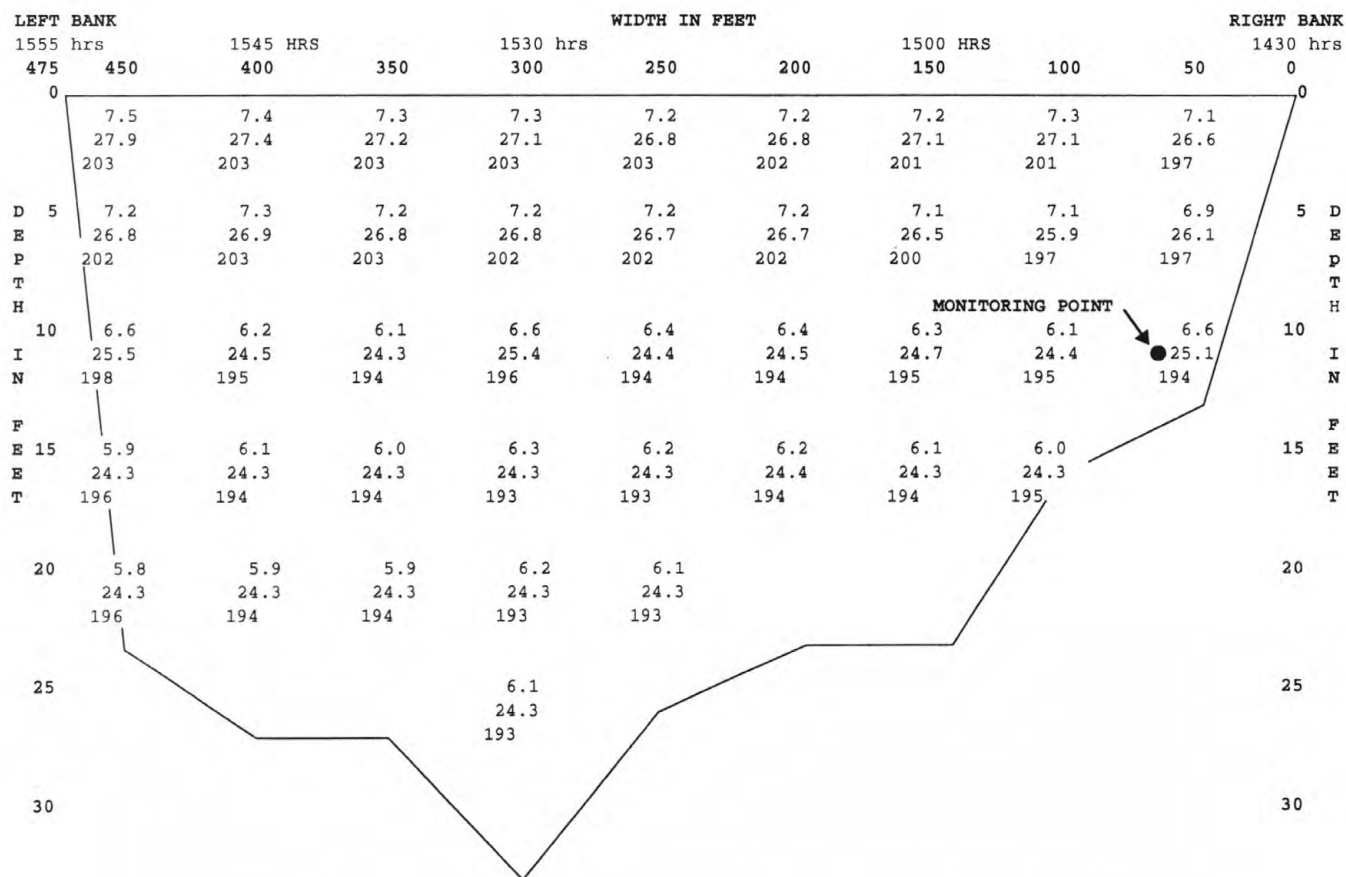
OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.8	9.6	9.7	---	---	---	---	---	---	6.7	5.6	6.3
2	9.8	9.4	9.6	---	---	---	6.0	5.1	5.4	6.6	5.5	6.4
3	9.4	8.9	9.2	---	---	---	6.1	5.7	5.9	6.6	5.0	6.2
4	9.0	8.3	8.7	---	---	---	6.0	5.7	5.9	7.1	5.3	6.6
5	8.9	8.0	8.4	---	---	---	6.3	5.9	6.0	7.1	6.1	6.8
6	---	---	---	---	---	---	6.4	6.0	6.2	7.3	6.7	7.1
7	---	---	---	---	---	---	6.7	6.1	6.2	7.2	6.6	6.8
8	---	---	---	---	---	---	7.1	6.6	6.7	7.2	6.4	6.8
9	---	---	---	---	---	---	7.2	6.6	7.0	7.6	7.1	7.4
10	8.0	7.6	7.7	---	---	---	7.4	6.6	7.1	7.9	7.5	7.7
11	8.0	7.5	7.7	---	---	---	7.8	7.1	7.5	8.0	7.8	7.9
12	7.6	7.4	7.5	---	---	---	8.0	6.6	7.4	8.3	7.9	8.2
13	7.6	7.3	7.5	---	---	---	7.7	7.0	7.2	8.5	8.2	8.4
14	7.7	7.4	7.5	6.8	5.4	6.2	7.0	6.4	6.7	8.4	7.8	8.1
15	7.9	7.5	7.7	6.2	5.3	5.8	7.4	6.2	6.8	8.0	7.6	7.8
16	8.1	7.7	7.9	6.5	5.4	6.1	6.6	5.6	6.4	8.8	7.9	8.4
17	8.1	7.8	7.9	6.4	5.6	5.9	5.8	5.3	5.5	9.1	8.7	8.9
18	8.0	7.4	7.7	6.6	5.6	6.1	6.1	5.3	5.7	9.7	9.0	9.4
19	8.1	7.5	7.7	7.4	6.6	7.0	6.1	5.6	5.9	9.8	8.9	9.6
20	7.8	7.2	7.4	7.8	7.1	7.3	6.2	5.7	5.9	9.8	9.2	9.7
21	7.5	6.4	7.0	7.9	6.8	7.3	6.3	5.9	6.1	10.0	9.5	9.7
22	---	---	---	7.9	6.2	7.0	6.9	5.8	6.6	10.1	9.5	9.9
23	---	---	---	7.9	6.0	7.0	6.9	5.7	6.4	9.9	9.6	9.8
24	---	---	---	7.2	6.3	6.8	6.0	5.5	5.9	9.9	9.7	9.9
25	---	---	---	7.5	5.7	6.7	6.3	5.8	6.1	10.2	9.8	10.0
26	---	---	---	7.5	6.6	7.0	6.5	5.9	6.3	10.4	10.1	10.2
27	---	---	---	---	---	---	6.9	5.7	6.3	10.4	10.2	10.3
28	---	---	---	---	---	---	6.8	6.1	6.4	10.5	10.1	10.4
29	---	---	---	---	---	---	6.7	6.2	6.5	10.8	10.3	10.5
30	---	---	---	---	---	---	6.7	6.1	6.5	11.4	10.7	11.0
31	---	---	---	---	---	---	6.6	6.0	6.4	---	---	---
MONTH PERIOD	9.8 11.4	6.4 5.0	8.0 7.4	7.9	5.3	6.6	8.0	5.1	6.4	11.4	5.0	8.5

01055700 ANDROSCOGGIN RIVER AT TURNER BRIDGE, ME--Continued

CROSS SECTION OF OXYGEN DISSOLVED (DO), MG/L, AND WATER TEMPERATURE (WT), DEG C
AND SPECIFIC CONDUCTANCE (SC), US/CM, AT 25 DEG C
(LOOKING DOWNSTREAM)

JULY 13, 1995



RECORDED HOURLY VALUES

	1400	1500	1600
DO	---	5.8	5.8
WT	24.4	24.4	24.4
SC	196	192	192

CROSS SECTION VALUES

	Max	Min	Mean
DO	7.5	5.8	6.6
WT	27.9	24.3	23.5
SC	203	193	197

RECORDED DAILY VALUES

	Max	Min	Mean
DO	---	---	---
WT	25.0	24.5	24.5
SC	207	187	196

119

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	94	82	87	149	136	142	148	146	147	192	190	191
2	91	82	86	149	141	146	149	146	147	193	192	192
3	91	86	89	156	142	151	148	147	147	194	192	193
4	92	89	90	156	150	153	149	148	148	195	193	193
5	93	91	92	160	149	153	150	148	149	204	194	198
6	97	92	93	161	151	155	152	149	150	201	198	199
7	97	93	94	158	151	156	157	151	153	210	199	202
8	100	96	97	160	157	158	158	155	156	205	202	203
9	97	97	97	167	160	162	163	157	160	204	204	204
10	101	95	98	167	163	165	166	161	163	204	203	204
11	101	95	96	170	165	167	173	164	167	206	204	205
12	97	95	95	171	166	169	177	171	173	214	206	208
13	98	95	96	171	168	169	175	170	173	219	210	217
14	98	96	96	173	169	171	174	173	173	219	218	218
15	112	96	99	173	171	172	---	---	---	219	218	218
16	106	101	103	176	173	173	---	---	---	220	218	220
17	104	100	102	180	174	178	---	---	---	221	220	220
18	105	101	102	182	178	180	---	---	---	225	221	223
19	107	101	103	183	180	182	---	---	---	226	224	225
20	108	103	106	183	182	182	---	---	---	233	225	228
21	116	107	111	184	182	182	---	---	---	235	230	232
22	119	113	115	185	182	183	---	---	---	249	235	243
23	117	113	114	187	183	185	---	---	---	246	238	241
24	116	115	115	186	177	181	173	172	172	238	236	237
25	122	116	118	180	178	179	174	172	173	236	234	235
26	128	121	124	179	167	174	176	174	175	234	230	232
27	130	125	127	170	160	163	178	175	176	230	219	224
28	137	125	131	162	155	159	187	177	178	221	217	219
29	144	130	139	156	153	154	193	183	187	221	220	221
30	141	134	138	155	148	152	193	190	191	221	220	220
31	---	---	---	148	146	147	191	190	191	---	---	---
MONTH PERIOD	144 249	82 82	105 163	187	136	166	193	146	166	249	190	216

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	98	81	86	142	138	140	146	145	145	215	208	211
2	90	82	85	145	140	143	147	145	146	223	215	220
3	92	86	89	152	145	149	147	146	147	236	222	228
4	91	88	89	152	149	151	148	147	147	245	236	240
5	92	91	91	154	150	153	148	147	148	255	245	249
6	92	91	91	157	153	155	150	148	149	263	255	260
7	95	92	93	158	155	157	154	150	152	270	262	265
8	96	95	95	162	158	159	166	154	156	273	206	245
9	99	95	96	164	162	163	174	158	165	209	207	208
10	97	94	96	167	163	166	175	162	169	208	206	207
11	97	94	95	168	166	167	176	166	171	210	206	208
12	97	94	95	170	168	169	172	165	168	217	209	211
13	97	94	95	171	169	169	172	165	168	222	212	219
14	98	95	96	173	170	171	172	169	171	223	220	221
15	101	95	97	176	172	174	---	---	---	223	221	222
16	108	100	103	181	174	178	---	---	---	224	222	223
17	108	103	105	182	177	179	---	---	---	226	223	224
18	112	104	107	182	179	180	---	---	---	228	225	226
19	113	104	107	185	181	183	---	---	---	229	227	228
20	113	105	108	187	182	184	---	---	---	238	228	233
21	116	109	111	193	184	188	---	---	---	250	234	238
22	115	113	114	191	186	189	---	---	---	257	241	250
23	118	114	115	192	183	188	---	---	---	250	241	245
24	119	116	117	188	176	181	174	173	173	242	239	241
25	120	116	118	182	172	179	176	174	174	239	237	238
26	126	119	123	178	151	166	179	175	177	238	224	233
27	126	122	124	163	152	160	181	179	180	229	216	223
28	130	126	128	162	154	158	192	180	184	224	220	222
29	135	130	132	155	150	152	198	191	193	225	223	224
30	139	135	137	152	149	151	205	198	200	225	223	224
31	---	---	---	152	146	148	208	205	207	---	---	---
MONTH PERIOD	139 273	81 81	105 167	193	138	166	208	145	168	273	206	230

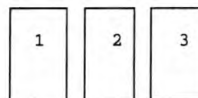
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	83	79	81	134	129	132	149	147	147	194	191	192
2	90	83	86	138	129	134	149	147	148	195	192	192
3	92	86	88	146	134	141	147	147	147	201	193	196
4	91	88	90	144	138	140	148	147	147	206	199	203
5	92	90	91	150	143	147	149	147	148	210	206	207
6	92	91	92	153	147	152	151	149	150	211	203	206
7	94	92	92	154	149	153	155	151	152	216	205	211
8	96	94	95	156	153	155	168	155	157	209	203	205
9	96	94	95	161	155	160	177	162	171	204	204	204
10	95	92	94	165	160	162	179	172	176	205	204	204
11	95	93	94	166	163	164	179	172	176	206	204	205
12	95	94	94	168	164	166	176	167	171	214	206	208
13	98	94	95	169	168	169	171	168	170	217	210	215
14	103	97	99	171	168	169	175	168	171	219	216	218
15	103	95	98	172	170	171	---	---	---	220	218	219
16	112	100	105	176	172	173	---	---	---	220	219	219
17	114	108	112	178	174	176	---	---	---	222	220	221
18	117	113	115	180	177	179	---	---	---	223	222	223
19	117	113	115	182	179	181	---	---	---	227	222	225
20	118	111	115	186	179	181	---	---	---	236	226	231
21	117	113	115	193	186	189	---	---	---	253	231	240
22	116	114	115	194	188	191	---	---	---	253	241	249
23	116	115	116	191	184	189	---	---	---	243	238	241
24	116	115	116	186	177	181	173	172	172	238	236	237
25	116	115	116	181	166	176	174	173	173	236	234	235
26	122	115	117	172	158	165	176	174	175	235	219	230
27	119	116	118	166	152	160	179	175	176	224	208	215
28	123	119	121	163	152	158	200	178	186	221	213	219
29	130	123	126	158	149	153	193	184	188	222	220	221
30	132	128	129	158	149	154	192	191	192	222	220	220
31	---	---	---	154	148	151	192	189	191	---	---	---
MONTH PERIOD	132 253	79 79	104 163	194	129	164	200	147	167	253	191	217

01056000 GULF ISLAND POND NEAR LEWISTON, ME--Continued

VERTICAL CROSS SECTION OF OXYGEN DISSOLVED (DO), MG/L, WATER TEMPERATURE (WT), DEG C
AND SPECIFIC CONDUCTANCE (SC), US/CM, AT 25 DEG C
(LOOKING DOWNSTREAM)

JULY 6, 1995

LEFT END	WIDTH IN FEET	RIGHT END
0	500	1200
TOP OF DAM (ELEV 270.0')		
0		0
NORMAL POND LEVEL @ 1235 HRS (ELEV 261.5')		
	6.4 25.1 155	
D		D
E 5	6.3 25.0 155 ← 5 FT MONITORING POINT	5 E
P		P
T		T
H 10	6.4 25.0 154	10 H
I 15	6.4 25.0 154	15 I
N		N
20	6.4 24.9 154 ← 20 FT MONITORING POINT	20
F		F
E		E
E 25	6.4 24.9 154	25 E
T		T
30	6.4 24.9 154	30
35	6.2 24.8 154 ← 35 FT MONITORING POINT	35
40	6.1 24.8 153	40
45		45
50		50



TURBINE INTAKES

	RECORDED HOURLY VALUES				RECORDED DAILY VALUES			
	1200	1300	1400		Max	Min	Mean	
5 FT LEVEL:	DO	---	---	---	DO	---	---	---
	WT	25.0	---	25.0	WT	25.5	25.0	25.0
	SC	154	154	154	SC	161	151	155
20 FT LEVEL:	DO	6.4	6.3	6.4	DO	6.6	5.7	6.3
	WT	25.0	---	---	WT	25.0	25.0	25.0
	SC	155	155	155	SC	157	153	155
35 FT LEVEL:	DO	---	6.5	6.2	DO	6.5	4.6	5.9
	WT	24.8	24.8	24.7	WT	25.0	24.5	25.0
	SC	153	153	152	SC	153	147	152

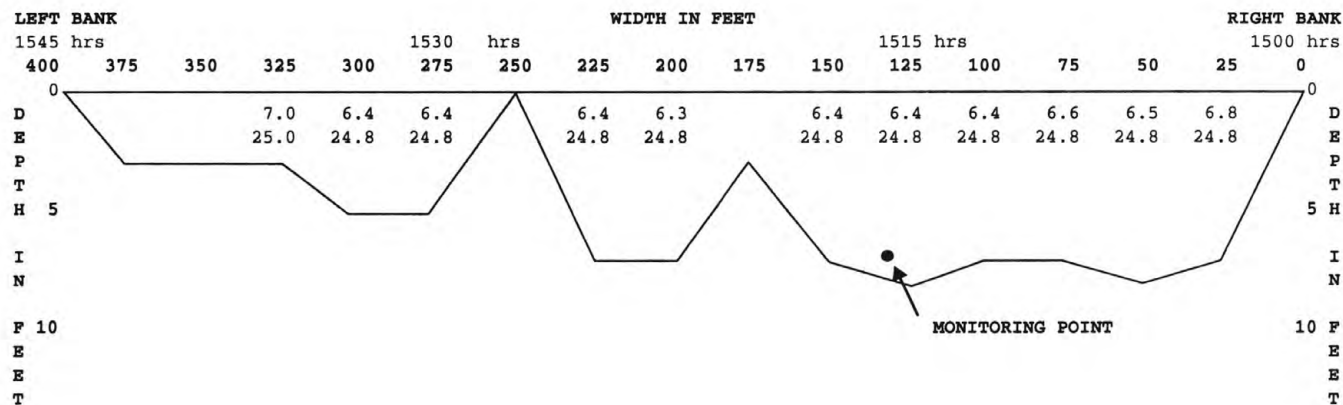
01056600 ANDROSCOGGIN RIVER AT NORTH BRIDGE AT AUBURN, ME--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.7	7.9	8.4	6.5	6.3	6.4	7.0	6.6	6.7	8.2	7.7	7.9
2	8.7	8.3	8.5	6.6	5.1	6.3	6.7	6.5	6.6	8.0	7.7	7.9
3	8.6	7.7	8.3	6.5	6.2	6.4	7.0	6.6	6.8	8.5	7.7	8.0
4	8.6	7.8	8.3	6.7	6.4	6.5	6.9	6.5	6.7	8.5	8.2	8.3
5	8.6	7.9	8.2	6.6	6.1	6.3	6.6	6.5	6.5	8.4	8.0	8.2
6	8.5	7.9	8.1	---	---	---	7.3	6.6	7.0	8.3	8.0	8.1
7	8.0	7.7	7.9	---	---	---	8.8	7.2	7.9	8.3	8.0	8.2
8	8.1	7.6	7.9	---	---	---	8.2	7.5	7.7	8.3	7.8	8.1
9	8.2	7.6	7.8	---	---	---	7.5	6.6	6.9	7.9	7.8	7.9
10	8.0	7.3	7.5	---	---	---	6.6	6.3	6.5	8.2	7.8	8.0
11	7.4	6.8	7.0	---	---	---	6.5	6.2	6.4	8.4	8.0	8.2
12	7.2	6.8	6.9	---	---	---	6.4	5.9	6.2	8.6	8.4	8.5
13	7.5	7.1	7.3	---	---	---	6.4	5.7	6.1	8.5	8.1	8.3
14	7.4	7.0	7.2	---	---	---	7.0	6.4	6.6	8.2	8.1	8.2
15	7.8	7.1	7.5	---	---	---	7.0	5.9	6.4	8.3	7.8	8.1
16	7.5	7.0	7.3	---	---	---	6.2	5.8	6.0	8.2	7.8	8.1
17	7.2	6.9	7.0	---	---	---	6.8	6.1	6.4	8.8	8.2	8.4
18	6.9	6.4	6.6	---	---	---	6.7	6.5	6.6	9.1	8.5	8.9
19	6.8	6.2	6.4	---	---	---	7.5	6.6	6.9	8.5	8.2	8.2
20	7.0	6.3	6.6	6.6	6.2	6.3	7.1	6.6	6.8	8.2	8.1	8.1
21	7.1	6.7	6.9	6.3	5.8	6.0	6.9	6.3	6.6	8.2	7.7	8.0
22	7.0	6.5	6.7	6.3	5.9	6.0	7.3	6.6	6.9	8.2	7.6	8.0
23	6.8	6.4	6.6	6.3	6.0	6.1	8.2	7.0	7.5	8.7	8.2	8.5
24	6.8	6.5	6.6	6.4	6.0	6.1	8.5	7.8	8.0	9.4	8.6	9.0
25	6.9	6.6	6.7	6.5	6.3	6.4	8.1	7.7	7.9	9.4	8.5	8.9
26	7.1	6.7	6.9	6.3	6.1	6.2	8.5	8.1	8.3	8.6	8.4	8.5
27	7.1	6.6	6.9	6.8	6.3	6.4	8.3	7.6	8.0	8.6	8.2	8.4
28	6.6	6.2	6.4	6.9	6.7	6.8	7.6	7.3	7.4	9.1	8.6	8.9
29	7.3	5.9	6.4	6.8	6.5	6.6	7.8	7.5	7.6	9.3	9.1	9.2
30	6.6	6.1	6.4	6.9	6.5	6.7	8.2	7.6	7.9	9.4	9.2	9.2
31	---	---	---	7.2	6.5	6.8	8.0	7.7	7.8	---	---	---
MONTH PERIOD	8.7	5.9	7.2	7.2	5.1	6.4	8.8	5.7	7.0	9.4	7.6	8.3
	9.4	5.1	7.3									

CROSS SECTION OF OXYGEN DISSOLVED (DO), MG/L, AND WATER TEMPERATURE (WT), DEG C
(LOOKING DOWNSTREAM)

JULY 6, 1995



RECORDED HOURLY VALUES

	1400	1500	1600
DO	6.4	---	---
WT	24.7	24.7	24.8

CROSS SECTION VALUES

	Max	Min	Mean
DO	7.0	6.3	6.5
WT	25.0	24.8	24.8

RECORDED DAILY VALUES

	Max	Min	Mean
DO	---	---	---
WT	25.3	23.8	24.5

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 mi².

PERIOD OF RECORD.--Discharge: October 1913 to April 1924, October 1931 to current year.
Chemical analyses: Water year 1958.

REVISED RECORDS.--WSP 1301: 1915-23(M). WDR ME-81-1: Drainage area.

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 Sept. 27, 1984, water-stage recorder at site 1.0 mi downstream at different datum.

REMARKS.--Records good except for period of ice-effect, Feb. 4 to Mar. 8, which is fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,340 ft³/s, Apr. 1, 1987, gage height, 12.22 ft, from rating curve extended above 5,500 ft³/s, on basis of slope-area measurement of peak flow; minimum discharge, 0.60 ft³/s, Sept. 17 and 21, 1995.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar. 22	1945	*627	*5.04	No other peak greater than base discharge			

Minimum discharge, 0.60 ft³/s, Sept. 17 and 21, gage height, 1.22 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	17	53	65	78	e42	254	116	87	7.3	7.7	.89
2	29	120	46	65	75	e41	208	102	69	7.0	6.4	.91
3	24	158	43	64	62	e40	179	92	66	7.4	5.6	.87
4	21	104	44	59	e52	e39	170	84	157	7.0	5.6	.86
5	19	78	74	53	e55	e39	155	78	116	6.2	6.4	.86
6	17	63	233	48	e63	e43	206	73	95	5.5	9.2	.86
7	15	70	196	54	e58	e46	135	66	86	5.1	13	.83
8	14	65	139	56	e55	e51	133	61	76	5.0	9.9	.77
9	12	54	108	49	e53	186	132	59	64	5.9	7.6	.73
10	13	46	89	44	e52	225	127	55	52	5.6	6.2	.80
11	15	39	83	37	e52	195	122	54	46	5.5	5.3	.83
12	14	36	65	38	e51	163	121	76	65	5.4	4.8	.83
13	13	34	55	41	e47	140	185	168	74	5.0	4.2	.79
14	12	31	57	45	e45	127	223	159	60	4.8	3.6	.74
15	11	29	54	66	e41	124	188	148	139	4.4	3.2	.69
16	11	28	48	237	e44	144	163	374	114	4.0	3.2	.67
17	11	26	47	491	e45	173	151	272	75	6.5	2.9	.65
18	10	25	50	339	e43	217	132	344	58	41	2.7	.72
19	12	29	53	219	e43	296	125	253	47	31	2.3	.77
20	10	30	48	175	e44	300	134	193	37	18	1.9	.69
21	20	28	47	478	e44	300	126	154	29	13	1.7	.66
22	30	88	50	384	e44	584	155	209	24	11	1.5	.75
23	27	93	54	260	e42	501	146	184	20	9.5	1.3	1.7
24	24	67	136	197	e44	380	126	143	17	12	1.2	2.8
25	21	54	357	159	e45	287	112	125	15	13	1.1	2.6
26	19	45	263	126	e41	235	102	107	13	9.6	1.0	2.4
27	17	35	169	105	e38	224	96	98	11	9.1	1.0	2.6
28	16	36	134	87	e40	227	95	89	9.4	8.9	.95	2.9
29	15	49	101	82	---	229	103	94	8.8	9.5	.95	3.1
30	15	58	68	77	---	234	120	129	8.1	11	.92	3.0
31	16	---	66	77	---	244	---	109	---	9.4	.89	---
TOTAL	540	1635	3030	4277	1396	6076	4424	4268	1738.3	303.6	124.21	38.27
MEAN	17.4	54.5	97.7	138	49.9	196	147	138	57.9	9.79	4.01	1.28
MAX	37	158	357	491	78	584	254	374	157	41	13	3.1
MIN	10	17	43	37	38	39	95	54	8.1	4.0	.89	.65
CFSM	.24	.74	1.33	1.88	.68	2.67	2.01	1.87	.79	.13	.05	.02
IN.	.27	.83	1.53	2.16	.71	3.08	2.24	2.16	.88	.15	.06	.02

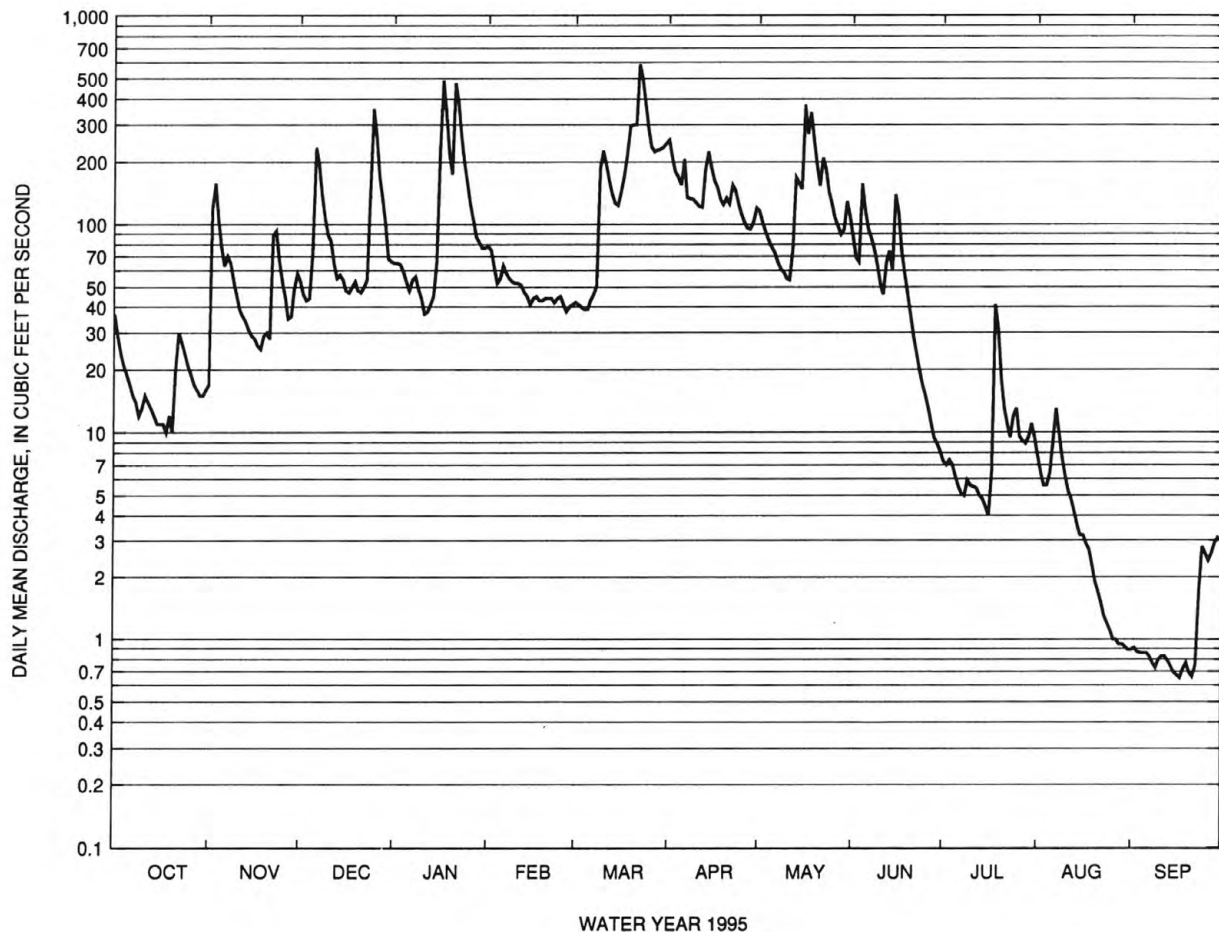
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	76.4	137	129	87.7	82.0	207	469	217	108	48.7	38.7	40.8
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

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1914 - 1995	
ANNUAL TOTAL	40538.7		27850.38			
ANNUAL MEAN	111		76.3		137	
HIGHEST ANNUAL MEAN					219	
LOWEST ANNUAL MEAN					62.9	
HIGHEST DAILY MEAN	1550		584		6760	
LOWEST DAILY MEAN	4.1		.65		.65	
ANNUAL SEVEN-DAY MINIMUM	5.1		.69		.69	
INSTANTANEOUS PEAK FLOW			627		9340	
INSTANTANEOUS PEAK STAGE			5.04		12.22	
INSTANTANEOUS LOW FLOW			.60		.60	
ANNUAL RUNOFF (CFSM)	1.51		1.04		1.86	
ANNUAL RUNOFF (INCHES)	20.52		14.10		25.30	
10 PERCENT EXCEEDS	259		195		333	
50 PERCENT EXCEEDS	52		47		62	
90 PERCENT EXCEEDS	10		2.4		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 mi².

PERIOD OF RECORD.--Discharge: October 1928 to current year. Monthly discharge only for October 1928, published in WSP 1301.

Chemical analyses: Water years 1952-56, 1966 to 1975.

REVISED RECORDS.--WSP 781: 1930, 1933-34. WSP 1301: 1932-36. WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 109.18 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records excellent. Considerable diurnal fluctuation and some regulation by powerplants above station. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Azischoos, Umbagog, Auburn, and Thompson Lakes and Gulf Island Pond with major regulation at Errol Dam 136 mi upstream. Telephone and satellite gage-height telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 135,000 ft³/s, Mar. 20, 1936, gage height, 27.57 ft, from rating curve extended above 76,000 ft³/s, on basis of slope-area measurement of peak flow and computation of flow over dam; minimum daily discharge, 340 ft³/s, Sept. 28, 1941.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,800 ft³/s, Mar. 23, gage height, 7.82 ft; minimum daily discharge, 1,270 ft³/s, Aug. 30.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

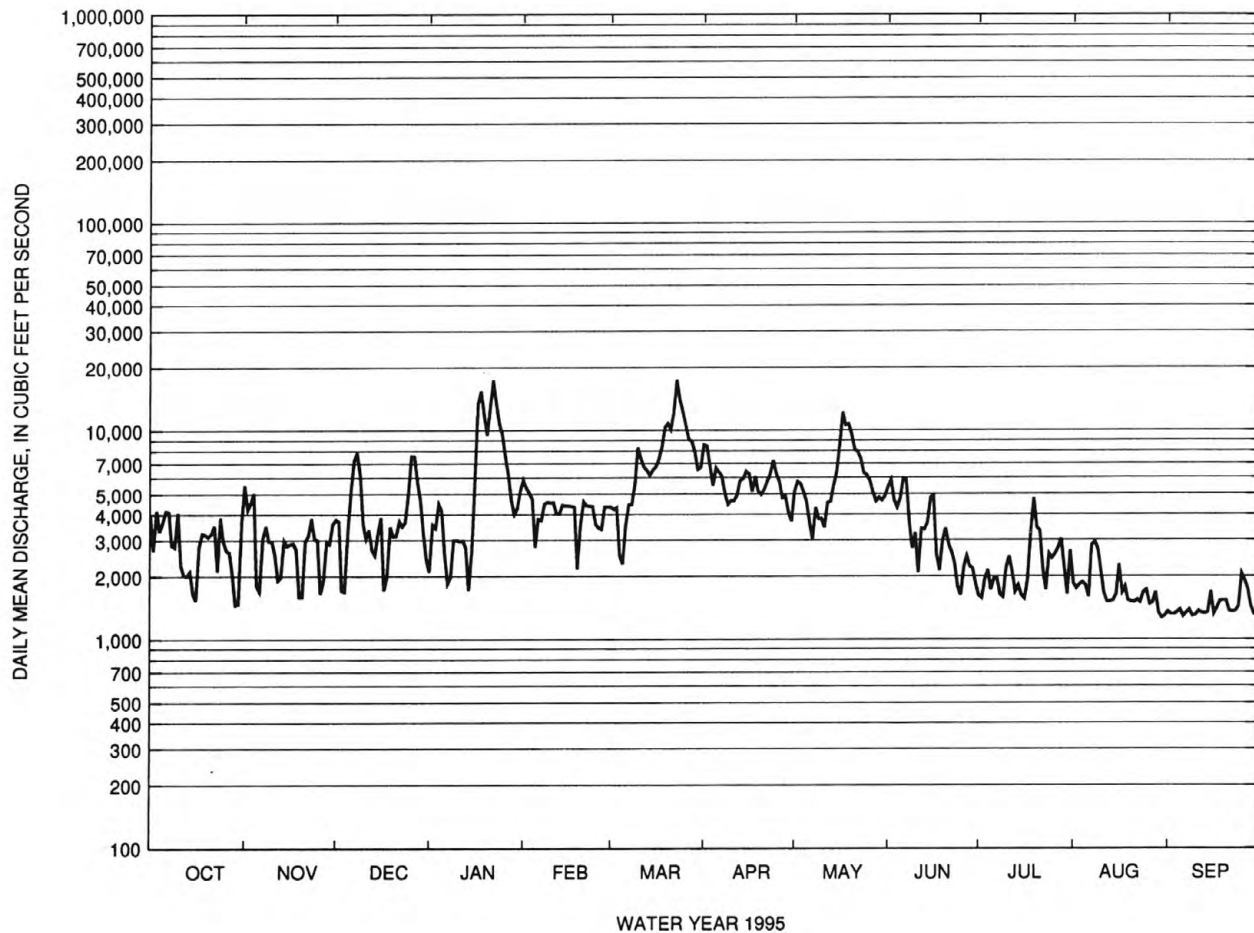
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3940	5530	3770	2100	5840	4350	8530	5090	5420	1630	1850	1360
2	2670	4210	3690	3570	5380	4230	8430	5720	5840	1580	1760	1320
3	4170	4540	1720	3440	5080	4310	6860	5600	4670	1940	1830	1320
4	3300	5060	1700	4470	4730	2520	5500	5100	4310	2140	1870	1350
5	3650	1810	3360	4170	2770	2290	6640	4580	4760	1730	1820	1390
6	4140	1700	5280	2610	3790	3540	6370	3680	5940	1950	1600	1290
7	4110	3060	7210	1850	3740	4440	6070	3000	5880	1950	2830	1340
8	2850	3500	7840	1980	4480	4460	5020	4300	3680	1640	2940	1390
9	2790	2980	6190	3000	4580	5550	4450	3790	2740	1600	2720	1300
10	4080	2980	3560	3010	4550	8280	4650	3820	3250	2200	2110	1310
11	2260	2550	3060	2980	4560	7400	4630	3450	2080	2490	1680	1370
12	2020	1910	3380	2990	4030	6740	4930	4550	3410	2080	1520	1340
13	2010	1970	2710	2770	4020	6490	5800	4600	3370	1700	1520	1330
14	2110	2990	2540	1720	4430	6150	5920	5460	3650	1810	1540	1350
15	1650	2820	3270	2640	4400	6510	6400	6310	4800	1630	1640	1700
16	1540	2880	3860	6170	4400	6740	6230	8520	4910	1570	2290	1330
17	2800	2900	1720	13400	4370	7340	5120	12200	2550	1920	1680	1420
18	3230	2720	1980	15400	4350	8310	6070	10600	2130	3220	1790	1530
19	3190	1600	3480	11800	2170	10300	5160	10700	2980	4770	1540	1540
20	3120	1600	3140	9510	3550	10800	4970	9560	3430	3450	1520	1540
21	3220	2970	3150	12800	4590	10100	5260	8100	2860	3330	1510	1370
22	3530	3160	3690	17400	4410	12100	5770	7940	2620	2170	1550	1360
23	2110	3820	3500	13400	4390	17400	6250	7340	2310	1730	1510	1370
24	3860	3050	3670	10800	4380	14000	7240	6300	1790	2560	1690	1440
25	2980	3010	5020	9650	3580	12200	6240	6150	1630	2440	1730	2050
26	2680	1660	7560	7650	3440	10600	5720	5780	2220	2560	1480	1910
27	2620	1900	7530	6210	3390	9060	4780	5110	2500	2740	1500	1740
28	2060	2960	5760	4650	4350	8900	4880	4600	2230	3050	1690	1450
29	1470	2880	4610	4000	---	7880	4090	4810	2180	2200	1340	1320
30	1480	3590	3220	4270	---	6540	3690	4650	1840	1650	1270	1350
31	3610	---	2390	5180	---	6690	---	4890	---	2670	1300	---
TOTAL	89250	88310	123560	195590	117750	236220	171670	186300	101980	70100	54620	43180
MEAN	2879	2944	3986	6309	4205	7620	5722	6010	3399	2261	1762	1439
MAX	4170	5530	7840	17400	5840	17400	8530	12200	5940	4770	2940	2050
MIN	1470	1600	1700	1720	2170	2290	3690	3000	1630	1570	1270	1290

01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4095	5503	5241	4459	4343	7178	15180	11650	5771	3488	3100	3194
MAX	13950	12260	21260	10490	13570	32680	23710	24940	14450	11730	7185	16700
(WY)	1978	1970	1974	1978	1970	1936	1993	1937	1984	1973	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

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1929 - 1995	
ANNUAL TOTAL	2002630		1478530			
ANNUAL MEAN	5487		4051		6101	
HIGHEST ANNUAL MEAN					9444	
LOWEST ANNUAL MEAN					3500	
					1974	
					1941	
HIGHEST DAILY MEAN	37900		17400		114000	
LOWEST DAILY MEAN	1450		1270		340	
ANNUAL SEVEN-DAY MINIMUM	2060		1320		1320	
					Aug 29 1995	
INSTANTANEOUS PEAK FLOW			17800		135000	
INSTANTANEOUS PEAK STAGE			7.82		27.57	
					Mar 20 1936	
					Mar 20 1936	
10 PERCENT EXCEEDS	11500		7360		12900	
50 PERCENT EXCEEDS	3700		3390		4150	
90 PERCENT EXCEEDS	1980		1540		1950	



LOCATION.--Lat 44°03'55", long 70°12'34", Androscoggin County, Hydrologic Unit 01040002, on right bank 2.0 mi downstream from Little Androscoggin River and 2.6 mi downstream from North Bridge between Auburn and Lewiston.

PERIOD OF RECORD. - -August 1988 to September 1995 (discontinued).

pH: Seasonal records August 1988 to Sept. 1994.

WATER TEMPERATURE: Seasonal records August 1988 to September 1995.

DISSOLVED OXYGEN: Seasonal records August 1988 to September 1995.

REMARKS.--Monitor not operated during period October to May. Interruptions in the record were due to malfunctions of the monitor or pumping system.

SPECIFIC CONDUCTANCE: Maximum, 356 $\mu\text{S}/\text{cm}$, Sept. 15, 1988; minimum, 46 $\mu\text{S}/\text{cm}$, June 13-14, 1989.

pH: Maximum, 7.7 units, Sept. 3-4, 1994; minimum, 6.4 units, July 18, 1989, July 30, Aug. 9, 1990, Aug. 27, 1991, July 19, 21, 1992.

WATER TEMPERATURE: Maximum, 29.0°C, Aug. 13, 1988; minimum, 14.0°C, Sept. 30, 1991.

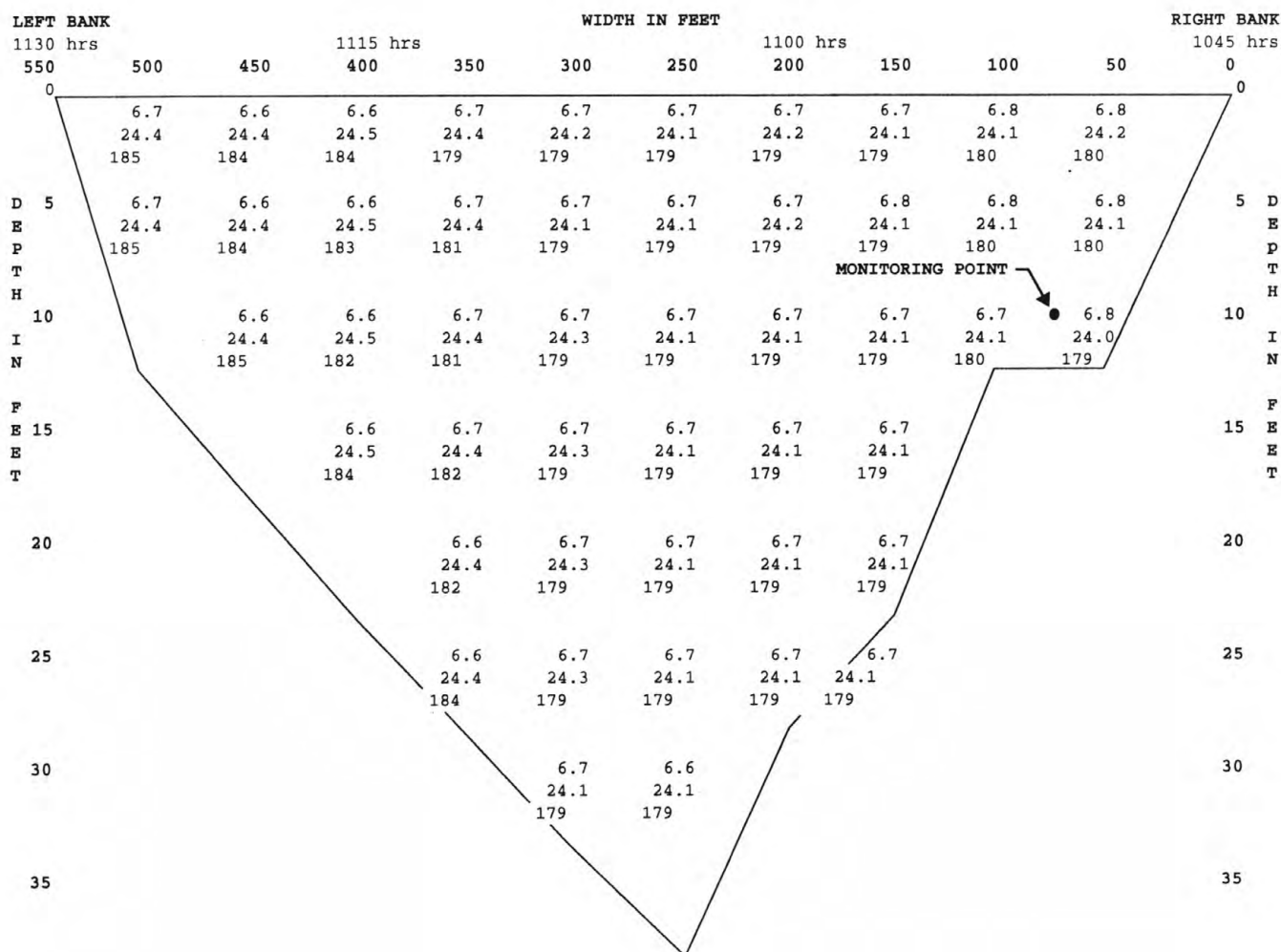
DISSOLVED OXYGEN: Maximum, 12.5 mg/L, June 15, 1989; minimum, 4.9 mg/L, June 5, Aug. 2, 1995.

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE		JULY		AUGUST		SEPTEMBER				
1	82	80	81	133	129	131	157	154	155	196	193	194
2	86	82	83	136	132	133	154	151	153	196	193	194
3	89	86	88	136	134	135	152	150	151	195	194	195
4	91	88	89	142	136	139	154	150	151	196	194	195
5	91	89	90	145	142	144	152	150	151	199	195	197
6	92	91	91	148	145	146	153	151	151	201	198	199
7	92	90	91	151	148	149	153	151	152	207	201	204
8	94	91	92	155	151	152	158	153	155	210	203	205
9	96	93	95	155	152	153	164	158	160	209	204	207
10	96	94	95	160	153	156	172	164	167	209	206	207
11	98	95	96	163	159	161	174	172	173	207	205	206
12	96	94	95	167	163	165	176	174	175	208	206	207
13	97	95	96	169	166	167	176	175	176	209	206	208
14	98	95	97	170	167	168	176	173	174	215	208	211
15	102	98	99	172	169	170	177	174	175	219	214	216
16	103	98	100	171	169	170	179	176	177	225	219	222
17	106	103	104	172	169	171	179	176	177	225	218	224
18	111	105	107	172	164	168	179	177	178	220	215	217
19	115	109	112	180	172	178	179	178	178	227	220	223
20	115	112	113	182	180	182	178	177	177	229	224	226
21	115	112	113	182	177	181	180	176	178	235	229	231
22	117	113	115	189	178	186	180	176	177	242	234	237
23	119	115	117	190	189	189	176	174	175	241	235	238
24	119	115	118	190	188	189	175	174	175	248	241	245
25	119	116	118	188	181	184	176	175	176	248	242	244
26	120	117	119	184	176	180	177	176	176	243	237	240
27	122	120	120	176	164	170	178	176	177	240	238	239
28	123	120	122	164	159	161	180	177	178	238	229	233
29	126	122	124	163	160	162	186	180	182	229	224	225
30	129	126	128	160	157	158	191	186	188	226	223	224
31	---	---	---	157	154	156	194	190	192	---	---	---
MONTH PERIOD	129 248	80 80	104 164	190	129	163	194	150	170	248	193	217

01059010 ANDROSCOGGIN RIVER BELOW DRESSERS RIPS NEAR AUBURN, ME--Continued

CROSS SECTION OF OXYGEN DISSOLVED (DO), MG/L, AND WATER TEMPERATURE (WT), DEG C
AND SPECIFIC CONDUCTANCE (SC), US/CM, AT 25 DEG C
(LOOKING DOWNSTREAM)

JULY 20, 1995



DAILY MEAN DISCHARGE

3,450 ft³/s

RECORDED HOURLY VALUES

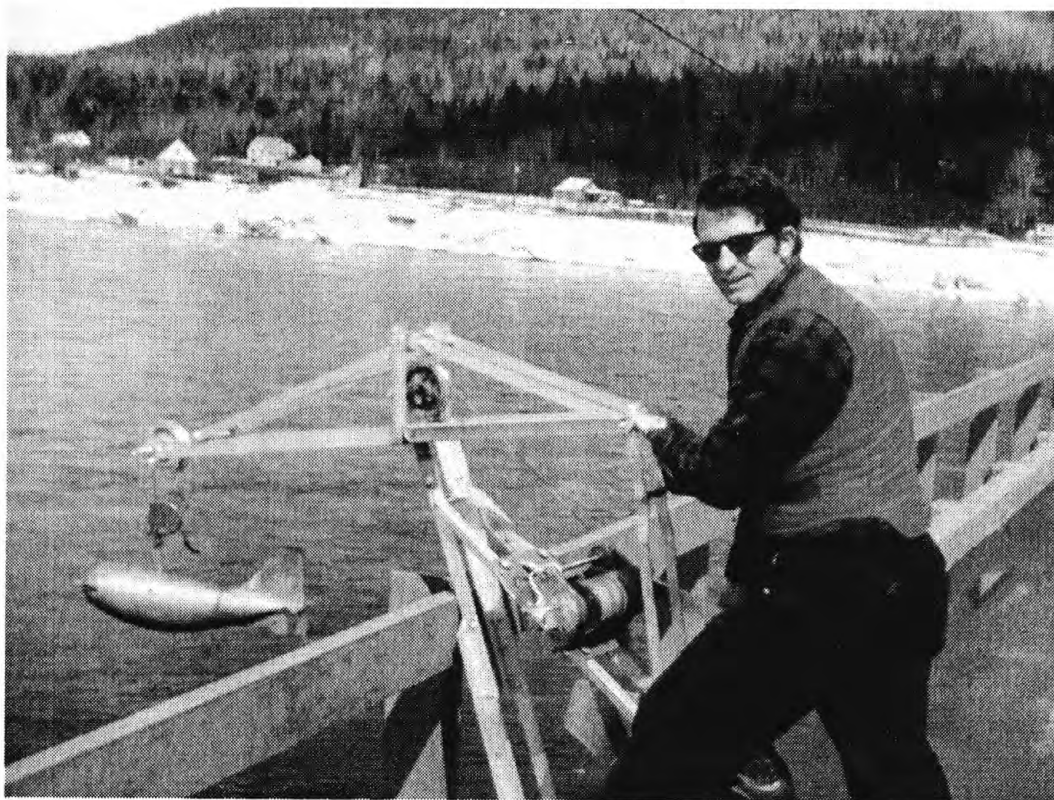
	1000	1100	1200
DO	6.6	6.8	6.7
WT	24.1	24.2	24.5
SC	181	181	182

CROSS SECTION VALUES

	Max	Min	Mean
DO	6.8	6.6	6.7
WT	24.5	24.0	24.2
SC	185	179	180

RECORDED DAILY VALUES

	Max	Min	Mean
DO	6.9	6.4	6.7
WT	25.1	24.0	24.6
SC	182	180	182



Sediment sampling
St. John River at Dickey, Maine
1976

01059400 ANDROSCOGGIN RIVER AT BRUNSWICK, ME
(National stream-quality accounting network station)

LOCATION.--Lat 43°55'03", long 69°58'25", Cumberland County, Hydrologic Unit 01060001, at cable suspended footbridge, 530 ft downstream from railroad bridge at Brunswick.

DRAINAGE AREA.--3,434 mi².

PERIOD OF RECORD.--Water years 1976 to 1993, 1995 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1975 to September 1981.

WATER TEMPERATURE: November 1975 to September 1981.

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

REMARKS.--Water-discharge records for Androscoggin River at Auburn (station 10159000) used for computation of mean daily discharge.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (00300) (00301)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (00300) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR												
18...	1235	6390	106	6.8	14.0	8.0	0.90	762	12.5	106	120	120
JUN												
19...	1100	3140	103	7.2	33.5	22.5	2.1	--	7.5	--	K 26	K 160
AUG												
15...	0845	1730	172	7.4	22.0	25.0	1.4	763	7.1	86	K 37	1100
DATE		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)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	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)	
APR												
18...	19		5.9	0.91	12	1.1	15	12	13	11	<0.10	
JUN												
19...	17		5.2	0.92	12	1.1	18	15	12	12	<0.10	
AUG												
15...	21		6.4	1.1	24	1.8	21	17	22	18	<0.10	

E Estimated value.

K Results based on colony count outside the acceptance range (non-ideal colony count).

< Actual value is known to be less than the value shown.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

[illegible]

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 mi².

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

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

GAGE.--Water-stage recorder. Elevation of gage is 10 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for periods of ice effect, Dec. 12, 13, 29, 30, Jan. 11, 12, 26-30, Feb. 3-24, 26-28, Mar. 9-11, 13, and 14, which are fair. Low flow may be regulated by operation of mills upstream. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft³/s, Mar. 13, 1977, gage height, 8.46 ft, from rating curve extended above 7,700 ft³/s; minimum daily discharge, 5.7 ft³/s, July 23, 1980, caused by unusual regulation.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 25	0145	*2,090	*3.90	Jan. 22	0700	1,720	3.57

Minimum daily discharge, 21 ft³/s, Aug. 26, 27, Sept. 2-7, 11, 12, and 16.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	60	248	179	147	134	521	192	144	45	56	23
2	92	175	187	169	150	123	397	169	119	63	50	21
3	76	188	156	159	e125	116	304	150	104	58	46	21
4	68	143	143	154	e105	110	314	134	103	49	46	21
5	64	112	259	144	e93	106	474	126	99	44	48	21
6	61	95	997	140	e89	138	313	121	85	40	49	21
7	57	85	705	190	e87	192	291	112	82	39	48	21
8	54	78	405	270	e85	254	251	101	93	38	45	22
9	54	71	236	242	e83	e1110	233	95	91	42	41	22
10	51	67	235	190	e81	e1130	258	92	79	47	38	22
11	49	62	233	e125	e81	e682	233	90	70	45	35	21
12	49	59	e208	e128	e80	419	213	226	92	42	34	21
13	47	56	e190	132	e79	e333	396	405	178	41	33	22
14	47	56	155	134	e79	e396	530	361	149	38	31	22
15	47	55	125	197	e78	412	379	277	308	35	30	22
16	46	54	106	763	e83	434	291	516	511	35	30	21
17	45	53	100	1400	e85	523	246	499	284	38	30	23
18	45	52	121	1090	e78	780	219	602	170	169	30	39
19	46	66	165	609	e76	943	206	495	122	206	27	46
20	48	85	149	440	e80	785	234	331	95	105	25	38
21	49	76	130	1450	e79	679	228	250	74	73	25	32
22	66	105	120	1570	e78	1020	261	276	63	64	25	30
23	78	168	115	983	e77	883	255	267	59	58	25	37
24	71	123	881	577	e157	646	210	208	54	52	23	44
25	65	93	1980	404	244	509	182	176	51	49	23	40
26	61	81	1220	e299	e212	408	163	154	50	61	21	35
27	57	67	541	e203	e174	367	150	137	48	117	21	33
28	55	108	351	e182	e146	343	148	143	45	202	22	30
29	53	252	e274	e142	---	315	165	146	43	116	24	27
30	53	312	e216	e146	---	298	188	202	41	90	24	26
31	51	---	219	148	---	387	---	185	---	69	23	---
TOTAL	1822	3057	11170	12959	3011	14975	8253	7238	3506	2170	1028	824
MEAN	58.8	102	360	418	108	483	275	233	117	70.0	33.2	27.5
MAX	117	312	1980	1570	244	1130	530	602	511	206	56	46
MIN	45	52	100	125	76	106	148	90	41	35	21	21
CFSM	.42	.72	2.56	2.96	.76	3.43	1.95	1.66	.83	.50	.24	.19
IN.	.48	.81	2.95	3.42	.79	3.95	2.18	1.91	.92	.57	.27	.22

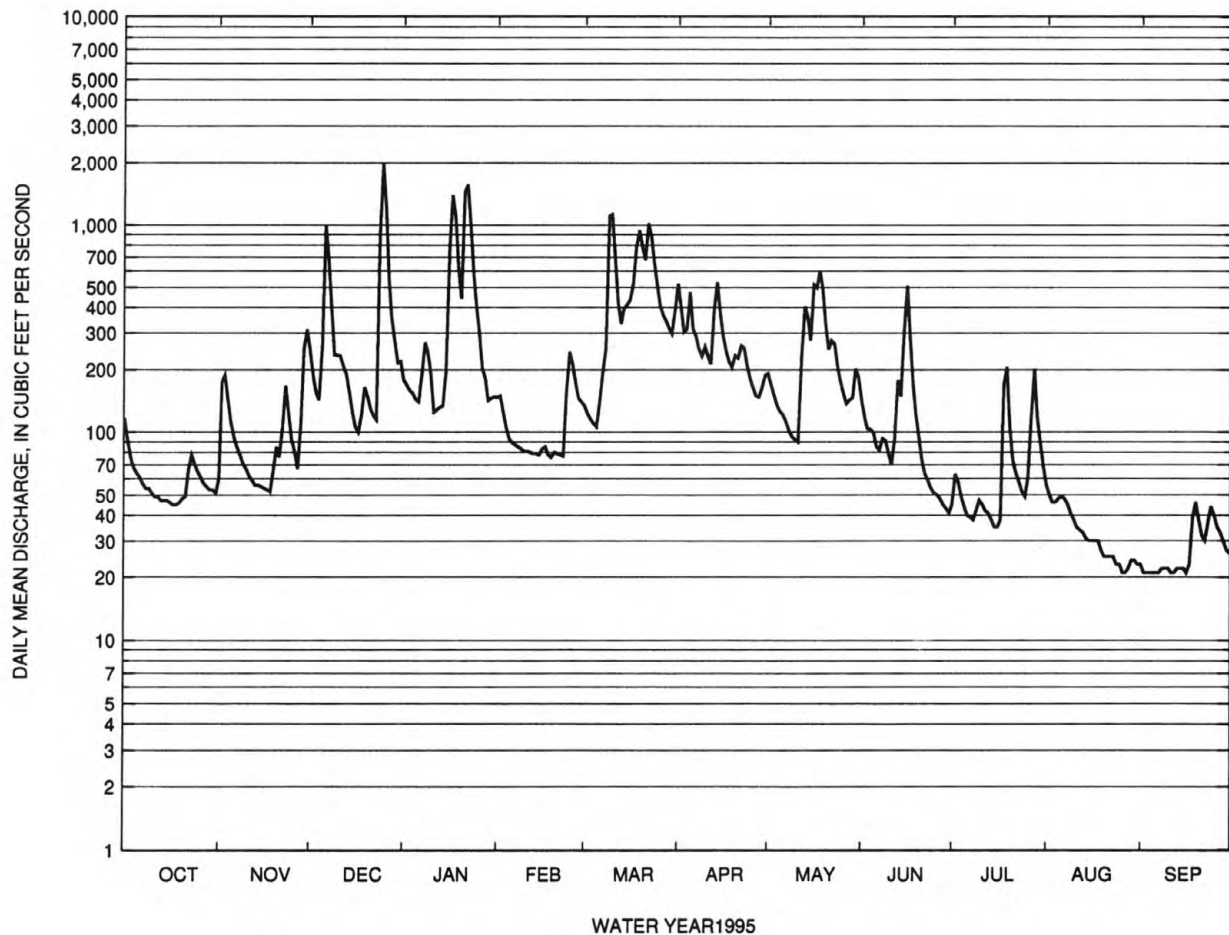
e Estimated

01060000 ROYAL RIVER AT YARMOUTH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	131	314	308	225	230	549	757	325	179	85.3	78.3	82.3
MAX	682	851	1210	704	658	1603	1372	1085	679	347	679	822
(WY)	1978	1984	1974	1978	1970	1977	1993	1989	1984	1973	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

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1950 - 1995	
ANNUAL TOTAL	89603		70013			
ANNUAL MEAN	245		192		272	
HIGHEST ANNUAL MEAN					480	
LOWEST ANNUAL MEAN					132	
HIGHEST DAILY MEAN	2630		Mar 24		9980	
LOWEST DAILY MEAN	26		Aug 13		5.7	
ANNUAL SEVEN-DAY MINIMUM	28		Aug 11		17	
INSTANTANEOUS PEAK FLOW			2090		11500	
INSTANTANEOUS PEAK STAGE			3.90		8.46	
ANNUAL RUNOFF (CFSM)	1.74		1.36		1.93	
ANNUAL RUNOFF (INCHES)	23.64		18.47		26.18	
10 PERCENT EXCEEDS	667		425		635	
50 PERCENT EXCEEDS	107		105		120	
90 PERCENT EXCEEDS	40		30		42	



01064000 PRESUMPCOT RIVER AT OUTLET OF SEBAGO LAKE, ME

LOCATION.--Lat 42°49'03", long 70°27'01", Cumberland County, Hydrologic Unit 01060001, at dam of hydroelectric plant at Eel Weir Falls 1.0 mi downstream from lake outlet.

DRAINAGE AREA.--441 mi².

PERIOD OF RECORD.--Discharge: Oct. 1901 to current year. Records for water years 1978-80 have not been published but are available in the files of the U.S. Geological Survey.
Chemical analyses: Water years 1953, 1971.

REVISED RECORDS.--WSP 1301: 1920-50 (adjusted monthly runoff). WRD ME-81-1: Drainage area.

GAGES.--Nonrecording gages in forebay and tailrace of hydroelectric plant at Eel Weir Falls and at dam on outlet of Sebago Lake.

REMARKS.--Discharge computed from wheel ratings and from records of openings of two regulating gates at Eel Weir hydroelectric plant. For water wasted through gates in dam on outlet of Sebago Lake, flow computed from records of gate openings. Water diverted by Portland Water District and leakage through dam, totaling about 75 ft³/s, not included in figures of daily discharge. Flow regulated by Long Lake and Sebago Lake, surface area, 45.6 mi², which have a combined usable capacity of 11,000,000,000 ft³.

COOPERATION.--Records furnished by S.D. Warren Co.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

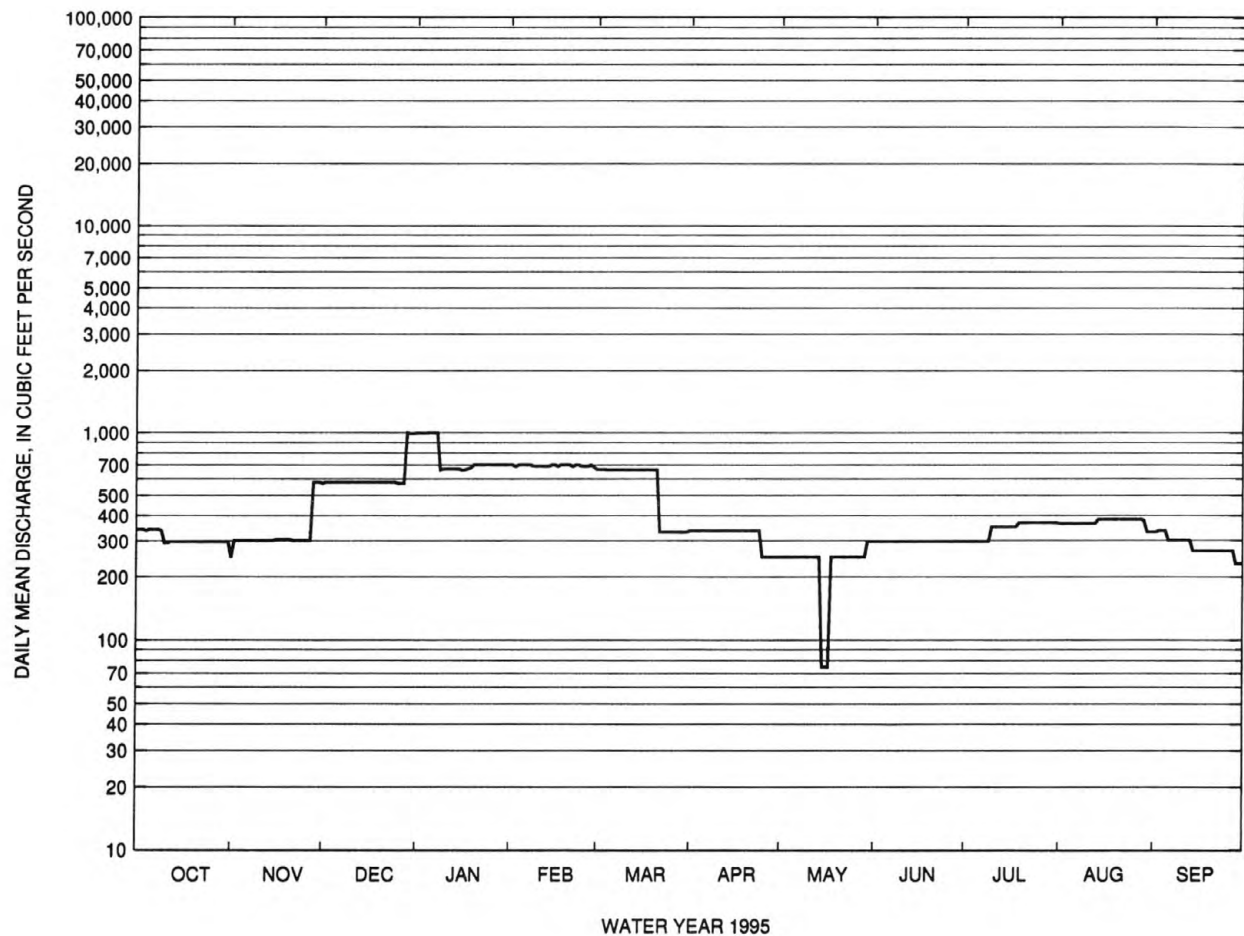
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	342	248	571	996	702	667	338	250	298	298	366	333
2	342	302	579	996	702	667	338	250	298	297	366	333
3	342	302	579	996	690	667	338	250	298	297	366	338
4	338	302	579	996	702	665	338	250	298	297	366	338
5	342	302	579	1000	702	665	338	250	298	297	366	338
6	342	302	579	1000	702	665	338	250	298	297	366	302
7	342	302	579	1000	702	665	338	250	298	297	366	302
8	342	302	579	1000	702	665	338	250	298	297	366	302
9	338	302	579	662	690	665	338	250	298	297	366	302
10	293	302	579	671	690	665	338	250	298	352	366	302
11	293	302	579	671	690	665	338	250	298	352	366	302
12	298	302	579	671	690	665	338	250	298	352	366	302
13	298	302	579	671	690	665	338	250	298	352	366	302
14	298	302	579	671	690	665	338	250	298	352	383	268
15	298	302	579	671	702	665	338	75	298	352	383	268
16	298	306	579	662	702	665	338	75	298	352	383	268
17	298	306	579	662	690	665	338	75	298	352	383	268
18	298	306	579	671	702	665	338	250	298	352	383	268
19	298	306	579	677	702	665	338	250	298	369	383	268
20	298	306	579	702	702	665	338	250	298	369	383	268
21	298	302	579	702	702	665	338	250	298	369	383	268
22	298	302	579	702	690	332	338	250	298	369	383	268
23	298	302	579	702	702	332	338	250	298	369	383	268
24	298	302	579	702	702	332	338	250	298	369	383	268
25	298	302	579	702	690	332	250	250	298	369	383	268
26	298	302	571	702	690	332	250	250	298	369	383	268
27	298	302	571	702	690	332	250	250	298	369	383	268
28	298	579	571	702	702	332	250	250	298	369	383	231
29	298	579	1000	702	---	332	250	250	298	369	378	231
30	298	579	991	702	---	332	250	298	298	369	333	231
31	298	---	991	702	---	332	---	298	---	369	333	---
TOTAL	9616	9857	19162	23768	19512	17291	9612	7321	8940	10639	11547	8541
MEAN	310	329	618	767	697	558	320	236	298	343	372	285
MAX	342	579	1000	1000	702	667	338	298	298	369	383	338
MIN	293	248	571	662	690	332	250	75	298	297	333	231

01064000 PRESUMPCOT RIVER AT OUTLET OF SEBAGO LAKE, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	578	577	597	626	658	616	755	776	708	570	600	581
MAX	1169	1297	1637	1399	1854	1421	4205	1988	2137	1244	835	1065
(WY)	1992	1955	1991	1955	1978	1936	1902	1989	1984	1973	1952	1954
MIN	175	176	175	195	191	189	225	184	181	175	159	177
(WY)	1986	1986	1986	1966	1966	1942	1962	1985	1985	1985	1911	1985

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1902 - 1995
ANNUAL TOTAL	221007	155806	
ANNUAL MEAN	605	427	637
HIGHEST ANNUAL MEAN			1091
LOWEST ANNUAL MEAN			298
			1984
			1985
HIGHEST DAILY MEAN	2000	May 13	1000
LOWEST DAILY MEAN	50	May 16	75
ANNUAL SEVEN-DAY MINIMUM	291	Oct 26	175
			May 11
			7000
			Apr 7 1902
			.00
			Jan 31 1904
			.00
			Jun 30 1957
10 PERCENT EXCEEDS	856	702	841
50 PERCENT EXCEEDS	599	338	642
90 PERCENT EXCEEDS	302	250	273



01064118 PRESUMPCOT RIVER AT WESTBROOK, ME

LOCATION.--Lat 43°41'13", long 70°20'49", Cumberland County, Hydrologic Unit 01060001, on right bank, 0.4 mi downstream from Cumberland Street Bridge in Westbrook, at S.D. Warren Co. owned bridge.

DRAINAGE AREA.--577 mi².

PERIOD OF RECORD.--October 1975 to September 1995 (discontinued). Prior to October 1984, published as "near West Falmouth".

GAGE.--Water-stage recorder. Datum of gage is 13.42 ft above National Geodetic Vertical Datum of 1929, corrected. Prior to Dec. 13, 1984, at site 4.1 mi. downstream at datum 2.27 ft lower. Since Oct. 14, 1993, auxiliary water-stage recorder 4.1 mi downstream from base gage.

REMARKS.--Records fair. Flow regulated by Sebago Lake and many small powerplants upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,500 ft³/s, Mar. 14, 1977, gage height, 21.11 ft, former site and datum; maximum gage height 25.48 ft, Aug. 20, 1991 from flood marks (present site and datum); minimum daily, 39 ft³/s, July 9, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,790 ft³/s, Dec. 25, gage height, 15.07; minimum daily discharge, 276 ft³/s, Sept. 22.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	515	373	881	1270	903	839	749	433	452	404	456	363
2	483	534	790	e1280	904	821	652	400	439	428	410	352
3	443	513	759	1290	852	807	587	383	433	400	395	335
4	442	465	760	1340	850	729	598	378	435	378	386	328
5	e440	432	924	1380	840	712	747	377	422	360	408	304
6	e442	370	1600	e1410	e840	825	587	374	419	348	408	294
7	e444	396	1160	1470	e840	844	603	371	404	345	400	290
8	450	420	994	1510	e840	1020	606	362	404	348	375	306
9	412	421	852	1320	e838	2010	557	345	390	366	348	295
10	381	417	828	1090	842	1400	562	335	383	378	340	297
11	e378	e412	989	e800	827	1210	e575	320	358	395	362	294
12	e380	e411	877	e795	e820	1070	e565	492	390	402	384	302
13	e380	e408	825	787	e823	994	691	529	390	410	377	302
14	e380	e406	785	864	826	1050	753	512	410	408	382	300
15	e380	e404	738	1140	794	1000	624	414	538	409	427	290
16	e379	e408	723	1710	836	1060	e565	716	617	409	467	279
17	e378	e409	723	2010	856	1210	e535	496	458	413	467	294
18	e377	433	763	1550	840	1310	e518	822	399	569	385	289
19	e377	462	825	1240	838	1400	e510	645	393	559	390	287
20	e376	476	798	1110	844	1180	e530	542	418	461	392	289
21	e382	467	780	2230	838	1190	e527	510	419	452	384	286
22	e396	488	745	1910	831	1410	598	539	427	436	364	276
23	e404	520	730	1500	842	994	576	509	439	394	362	295
24	e400	477	2250	1220	929	722	464	477	377	390	366	314
25	e397	456	3140	1150	1020	818	388	432	425	420	366	309
26	e390	449	1510	1070	967	752	430	374	405	411	361	302
27	e383	434	929	995	914	703	e373	425	389	565	363	289
28	381	717	779	977	903	682	e373	422	397	925	364	286
29	363	963	1020	928	---	607	429	434	404	585	363	287
30	323	953	1230	897	---	599	449	486	410	529	379	279
31	337	---	1220	896	---	710	---	477	---	485	371	---
TOTAL	12393	14494	31927	39139	24097	30678	16721	14331	12644	13782	12002	9013
MEAN	400	483	1030	1263	861	990	557	462	421	445	387	300
MAX	515	963	3140	2230	1020	2010	753	822	617	925	467	363
MIN	323	370	723	787	794	599	373	320	358	345	340	276

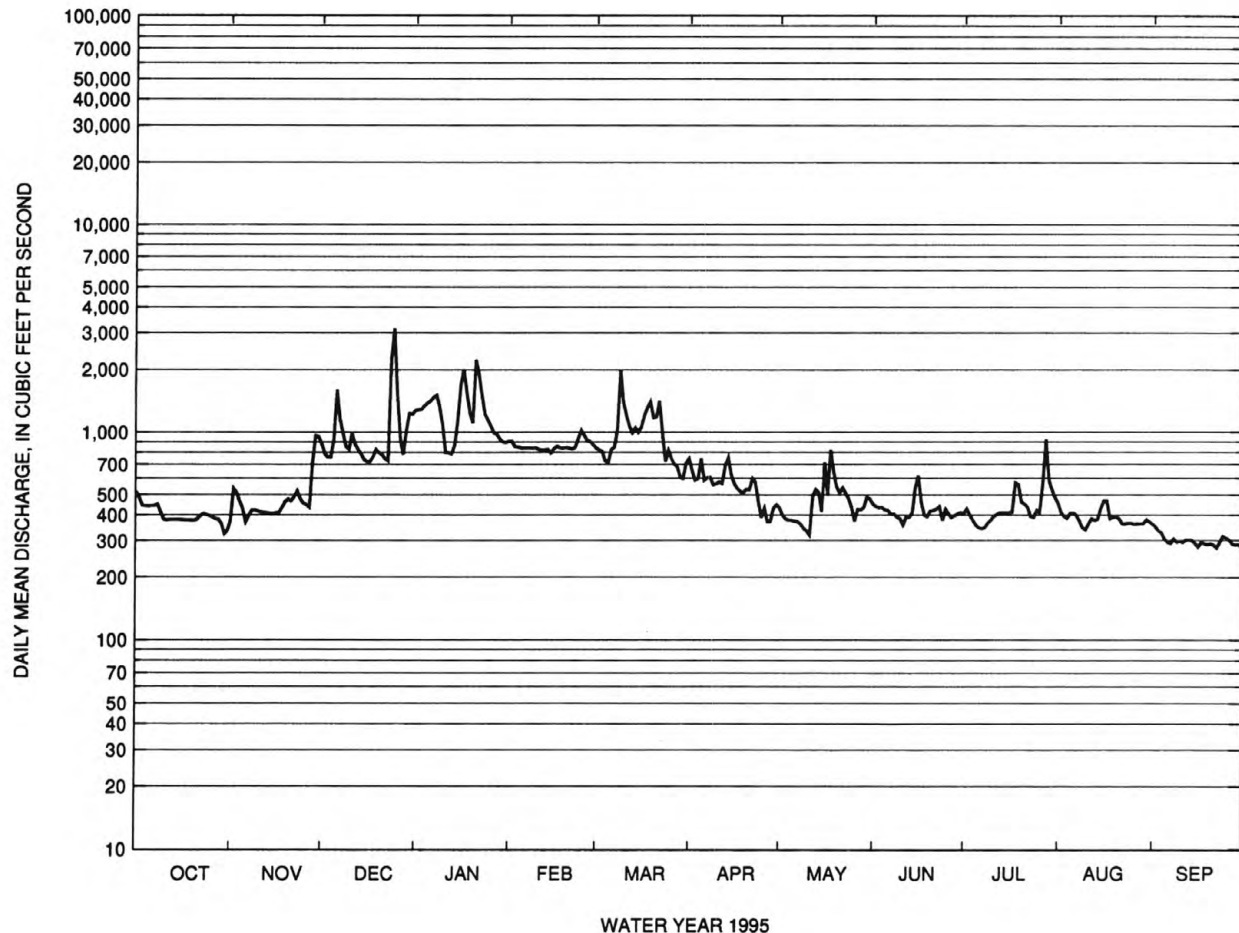
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01064118 PRESUMPCOT RIVER AT WESTBROOK, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	652	877	992	925	1006	1342	1440	1207	902	576	624	571
MAX	1373	1904	2318	1665	2078	2481	3723	2871	2852	855	1221	885
(WY)	1992	1984	1991	1978	1984	1983	1984	1989	1984	1986	1991	1981
MIN	309	366	345	472	366	643	408	305	242	219	239	237
(WY)	1986	1979	1986	1985	1980	1985	1985	1985	1985	1985	1985	1985

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1976 - 1995
ANNUAL TOTAL	312689	231221	
ANNUAL MEAN	857	633	
HIGHEST ANNUAL MEAN			925
LOWEST ANNUAL MEAN			1740
			404
HIGHEST DAILY MEAN	3160	Mar 23	3140
LOWEST DAILY MEAN	323	Oct 30	276
ANNUAL SEVEN-DAY MINIMUM	361	Aug 11	286
INSTANTANEOUS PEAK FLOW		3790	Dec 25
INSTANTANEOUS PEAK STAGE		15.07	Dec 25
			12500
			25.48
10 PERCENT EXCEEDS	1430	1100	1610
50 PERCENT EXCEEDS	760	464	754
90 PERCENT EXCEEDS	372	348	377



01064140 PRESUMPCOT RIVER NEAR WEST FALMOUTH, ME
(National stream-quality accounting network station)

LOCATION.--Lat 43°43'28", long 70°18'12", Cumberland County, Hydrologic Unit 01060001, on right bank 50 ft upstream from bridge on Blackstrap Road, 0.1 mi downstream from Maine Turnpike, 0.6 mi downstream from Meader Brook, 0.9 mi upstream from Piscataqua River, and 1.5 mi south of West Falmouth.

DRAINAGE AREA.--598 mi².

PERIOD OF RECORD.--Water years 1973-74, 1976 to 1995 (discontinued).

DISCHARGE: October 1975 to September 1984.

CHEMICAL ANALYSES: Water years 1973-74, 1976 to 1995.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1976 to September 1984. Seasonal records October 1984 to September 1993.

pH: July 1976 to September 1984. Seasonal records October 1984 to September 1993.

WATER TEMPERATURE: July 1976 to September 1984. Seasonal records October 1984 to September 1993.

DISSOLVED OXYGEN: July 1976 to September 1984. Seasonal records October 1984 to September 1993.

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

REMARKS.--Beginning in water-year 1985, discharge records for the Presumpscot River at Westbrook (station 01064118) are used for computation of mean daily discharge.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SOLVED SATUR- ATION) (MG/L) (00301)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
DEC												
20...	1220	827	119	7.4	0.5	3.0	1.3	770	12.9	95	2500	1400
FEB												
20...	0915	875	107	7.1	2.0	1.5	1.0	765	13.2	94	220	150
APR												
18...	0900	E 537	137	7.2	9.0	9.5	2.9	765	11.3	99	500	100
JUN												
20...	1500	433	154	7.4	31.5	24.0	2.7	758	7.4	88	140	260

E Estimated value.

K Results based on colony count outside the accepted range (non-ideal colony count).

< Actual value is known to be less than the value shown.

01064140 PRESUMPCOT RIVER NEAR WEST FALMOUTH, ME--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	
DEC 20...	3.9	74	60	<0.010	0.180	0.180	0.060	0.08	
FEB 20...	3.4	63	53	0.010	0.170	0.170	0.060	0.08	
APR 18...	4.1	78	73	0.010	0.100	0.100	0.100	0.13	
JUN 20...	3.6	99	78	<0.010	0.080	0.080	<0.015	--	
DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)
DEC 20...	0.20	0.020	0.010	0.020	60	7	<3	60	<4
FEB 20...	0.30	0.020	<0.010	0.020	30	6	<3	36	<4
APR 18...	0.20	0.020	0.030	0.030	80	8	<3	91	8
JUN 20...	0.50	0.060	0.010	<0.010	50	8	<3	140	<4
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	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)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC 20...	19	<10	<1	<1	<1.0	31	<6	E 13	67
FEB 20...	19	<10	<1	<1	<1.0	28	<6	E 14	57
APR 18...	32	<10	<1	<1	<1.0	34	<6	E 10	65
JUN 20...	44	<10	<1	<1	<1.0	34	<6	E 13	E 50

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 mi².

PERIOD OF RECORD.--August 1903 to June 1912, February 1929 to current year. Gage height only August to September 1903 and January 1910 to June 1912. Monthly discharge only for some periods, published in WSP 1301. Prior to 1912, published as "at Center Conway."

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. 25-27, Dec. 9-11, 13, 15, 16, 18, 19, 30, 31, Jan. 3-6, 8-16, Jan. 24 to Feb. 25, and Feb. 28 to Mar. 8, and period of doubtful gage-height record, May 10 to July 12, which are fair. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 47,200 ft³/s, Mar. 27, 1953, gage height, 17.20 ft; maximum gage height, 19.03 ft, Mar. 7, 1979 (ice jam); minimum discharge, 40 ft³/s, Mar. 16, 1932, gage height, 1.61 ft.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan. 16	0800	Ice Jam	*8.17	Jan. 17	0600	*5,710	6.81

Minimum discharge, 93 ft³/s, Sept. 7 and 8, gage height, 1.92 ft.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	806	314	503	758	e585	e345	1030	1090	654	177	171	105
2	651	500	448	733	e580	e335	921	970	575	287	162	104
3	565	595	436	e589	e560	e325	858	914	537	245	162	101
4	509	443	432	e533	e530	e320	850	902	605	201	181	99
5	479	412	651	e456	e480	e320	758	914	603	184	231	97
6	437	393	2480	e437	e450	e345	742	878	504	174	899	96
7	404	481	1710	609	e445	e360	763	798	466	175	757	94
8	391	485	1220	e496	e440	e400	700	708	466	195	421	94
9	373	424	e950	e374	e440	2240	693	656	441	234	313	98
10	361	392	e845	e306	e450	1530	668	664	404	224	259	114
11	354	364	e770	e277	e440	985	651	672	391	187	227	121
12	331	341	703	e345	e410	848	663	1020	427	190	234	107
13	315	332	e665	e461	e390	727	855	1100	440	184	227	102
14	307	320	627	e715	e370	722	1100	1080	402	163	199	104
15	297	315	e595	e1230	e360	823	899	1150	430	156	183	108
16	284	307	e565	e2340	e400	1200	796	2030	436	245	185	108
17	276	293	545	4360	e380	1250	727	1350	378	253	178	105
18	271	284	e525	2310	e365	1240	706	1640	344	833	164	110
19	265	298	e500	1580	e370	1340	763	1370	315	492	154	111
20	266	301	485	1350	e375	1290	838	1110	287	312	144	105
21	386	286	486	4090	e375	1340	901	975	267	246	139	101
22	410	573	492	2730	e370	3340	1450	1020	255	221	133	109
23	348	582	497	1930	e365	2270	1350	950	244	202	125	240
24	326	420	1150	e1440	e375	1760	1040	838	234	199	125	243
25	293	e374	2970	e1170	e355	1440	913	893	226	199	119	170
26	290	e370	1740	e970	323	1250	852	784	218	197	116	148
27	296	e304	1210	e843	312	1160	831	723	211	304	118	142
28	273	350	1030	e749	e330	1110	829	665	204	249	116	140
29	285	695	914	e690	---	1080	959	676	199	222	113	130
30	264	625	e620	e630	---	1110	1020	927	178	218	110	122
31	329	---	e572	e600	---	1060	---	804	---	195	106	---
TOTAL	11442	12173	27336	36101	11625	33865	26126	30271	11341	7563	6771	3628
MEAN	369	406	882	1165	415	1092	871	976	378	244	218	121
MAX	806	695	2970	4360	585	3340	1450	2030	654	833	899	243
MIN	264	284	432	277	312	320	651	656	178	156	106	94
CFSM	.96	1.05	2.29	3.02	1.08	2.84	2.26	2.54	.98	.63	.57	.31
IN.	1.11	1.18	2.64	3.49	1.12	3.27	2.52	2.92	1.10	.73	.65	.35

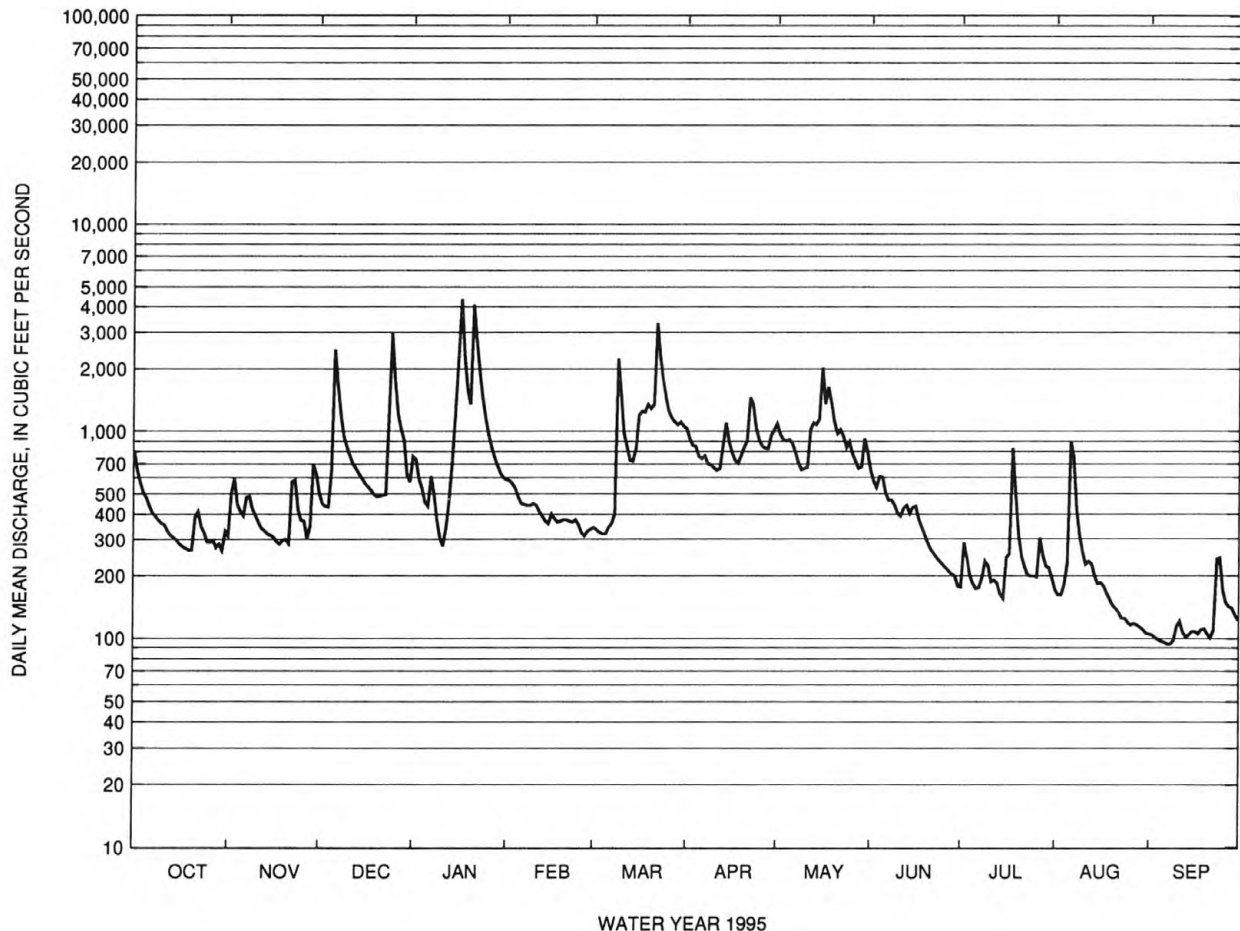
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01064500 SACO RIVER NEAR CONWAY, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	619	927	756	557	502	948	2613	2247	813	417	360	384
MAX	2369	2493	2656	1887	3170	5986	4564	4609	2189	2043	1685	1794
(WY)	1978	1908	1974	1986	1981	1936	1987	1940	1952	1973	1990	1954
MIN	114	211	152	144	124	146	871	614	300	158	129	102
(WY)	1948	1909	1956	1940	1940	1940	1995	1941	1964	1991	1936	1948

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR	FOR 1995 WATER YEAR	WATER YEARS 1904 - 1995
ANNUAL TOTAL	311831	218242	
ANNUAL MEAN	854	598	929
HIGHEST ANNUAL MEAN			1463
LOWEST ANNUAL MEAN			489
			1973
			1965
HIGHEST DAILY MEAN	7700	Apr 16	4360
LOWEST DAILY MEAN	186	Sep 22	94
ANNUAL SEVEN-DAY MINIMUM	215	Sep 17	97
			Sep 3
INSTANTANEOUS PEAK FLOW		5710	Jan 17
INSTANTANEOUS PEAK STAGE		8.17	Jan 16
INSTANTANEOUS LOW FLOW		93	Sep 7
			40
			Mar 16 1932
ANNUAL RUNOFF (CFSM)	2.22	1.55	2.41
ANNUAL RUNOFF (INCHES)	30.13	21.09	32.79
10 PERCENT EXCEEDS	2340	1160	2170
50 PERCENT EXCEEDS	432	432	450
90 PERCENT EXCEEDS	267	141	181



01065500 OSSIPEE RIVER AT CORNISH, ME

LOCATION.--Lat 43°48'26", long 70°47'55", Oxford County, Hydrologic Unit 01060002, on left bank 100 ft downstream from highway bridge in Cornish and 1.3 mi upstream from mouth.

DRAINAGE AREA.--452 mi².

PERIOD OF RECORD.--Discharge: July 1916 to current year.
Chemical analyses: Water year 1954.

REVISED RECORDS.--WSP 1301: 1927-29 (M). WDR ME-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 276.10 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 21, 1929, nonrecording gage, and Aug. 21, 1929 to Sept. 30, 1942, water-stage recorder at same site and datum 1.00 ft higher.

REMARKS.--Records good except for periods of ice effect, Dec. 13, Dec. 30 to Jan. 15 and Jan. 24 to Mar. 8, which are poor. Flow partly regulated by mill at Kezar Falls and by Ossipee and Silver Lakes, Pine River, Bickford Pond, and Colcord Ponds, combined capacity 1,600,000,000 ft³. Several observations of water temperature and specific conductance were made during the year. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,200 ft³/s, Mar. 21, 1936, gage height, 16.32 ft present datum, from rating curve extended above 7,500 ft³/s; minimum daily discharge, 65 ft³/s, Sept. 8, 1929.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,220 ft³/s, Jan. 22, gage height, 4.86 ft; minimum daily discharge, 149 ft³/s, Sept. 7, 11, 12, and 16.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	636	287	484	e987	e1020	e445	1210	728	491	194	178	173
2	603	376	466	e967	e970	e435	1140	707	481	204	181	171
3	573	384	470	e938	e910	e420	1090	649	477	201	190	169
4	537	346	467	e884	e870	e410	1080	601	573	193	183	168
5	506	341	543	e849	e830	e400	1100	409	525	189	214	160
6	476	337	887	e820	e790	e395	1000	386	474	186	207	153
7	451	348	1030	e785	e760	e444	932	373	393	189	208	149
8	428	341	1020	e760	e730	e491	798	361	397	195	194	152
9	406	324	984	e720	e700	835	795	356	387	257	188	151
10	394	315	970	e695	e675	939	802	354	372	219	181	152
11	376	310	977	e650	e650	958	781	358	370	198	187	149
12	350	294	946	e620	e630	936	763	463	377	195	182	149
13	335	287	e884	e590	e610	927	843	844	267	190	180	150
14	320	280	838	e605	e590	946	870	850	236	198	177	151
15	310	286	799	e644	e560	968	838	613	295	198	176	150
16	296	272	759	1010	e545	1020	733	643	379	191	176	149
17	293	269	725	1260	e525	1090	697	859	525	212	174	157
18	292	259	711	1300	e505	1190	652	1310	505	232	168	168
19	289	271	683	1360	e490	1290	507	1310	463	239	167	157
20	278	271	651	1410	e480	1330	533	1230	325	218	167	154
21	312	273	617	1850	e475	1430	551	925	294	197	166	152
22	330	403	588	2170	e465	1750	545	873	216	195	164	155
23	324	398	567	2180	e450	1830	554	663	199	190	162	169
24	312	378	825	e2060	e470	1870	548	640	198	187	166	160
25	306	376	1580	e1910	e485	1820	454	611	203	185	161	157
26	300	377	1380	e1750	e505	1730	441	505	203	191	158	160
27	291	369	1320	e1570	e470	1640	450	489	197	199	160	158
28	288	405	1320	e1390	e460	1550	470	481	192	193	160	156
29	271	494	1270	e1260	---	1460	530	492	196	197	161	154
30	265	511	e1140	e1170	---	1380	729	542	191	192	176	152
31	263	---	e1040	e1090	---	1370	---	506	---	183	172	---
TOTAL	11411	10182	26941	36254	17620	33699	22436	20131	10401	6207	5484	4705
MEAN	368	339	869	1169	629	1087	748	649	347	200	177	157
MAX	636	511	1580	2180	1020	1870	1210	1310	573	257	214	173
MIN	263	259	466	590	450	395	441	354	191	183	158	149

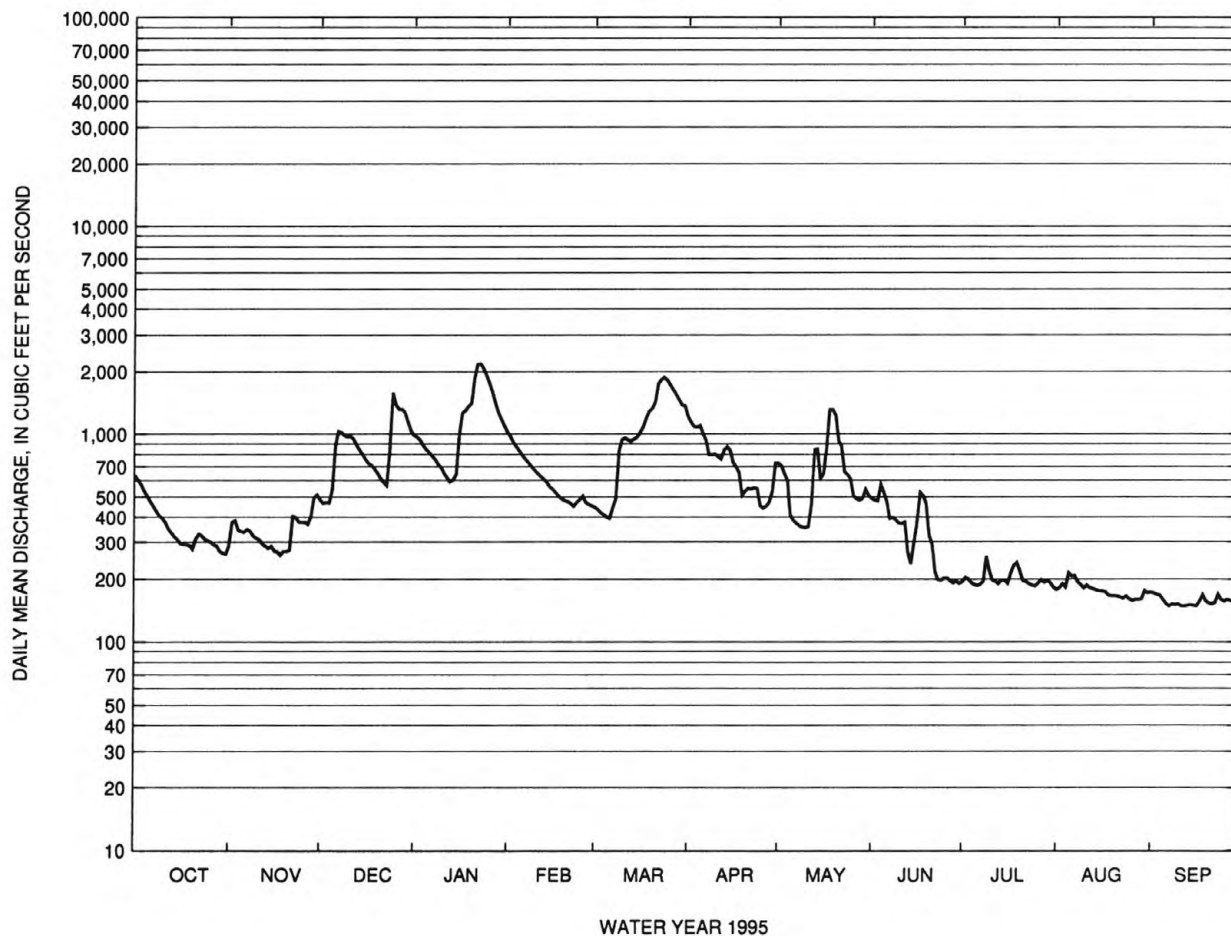
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01065500 OSSIPEE RIVER AT CORNISH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	472	721	874	727	716	1172	2443	1479	747	435	372	355
MAX	2087	1814	2635	1701	1910	5552	4710	3479	2628	1992	1065	1516
(WY)	1978	1952	1974	1978	1970	1936	1969	1954	1917	1973	1990	1954
MIN	146	201	192	201	221	288	748	436	234	185	166	157
(WY)	1948	1965	1923	1948	1940	1940	1995	1941	1985	1953	1949	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1916 - 1995	
ANNUAL TOTAL	293427		205471			
ANNUAL MEAN	804		563		875	
HIGHEST ANNUAL MEAN					1426	
LOWEST ANNUAL MEAN					448	
					1984	
HIGHEST DAILY MEAN	4550		2180		16300	
LOWEST DAILY MEAN	204		149		65	
ANNUAL SEVEN-DAY MINIMUM	207		150		91	
					Jul 2 1921	
INSTANTANEOUS PEAK FLOW			2220		17200	
INSTANTANEOUS PEAK STAGE			4.86		16.32	
					Mar 21 1936	
10 PERCENT EXCEEDS	1780		1180		1920	
50 PERCENT EXCEEDS	534		451		560	
90 PERCENT EXCEEDS	267		168		228	



01066000 SACO RIVER AT CORNISH, ME
(National stream-quality accounting network station)

LOCATION.--Lat 43°48'29", long 70°46'53", Cumberland County, Hydrologic Unit 01060002, on left bank 300 ft upstream from Rte. 117 bridge at Cornish and 0.4 mi downstream from Ossipee River.

DRAINAGE AREA.--1,293 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1916 to current year.

REVISED RECORDS.--WSP 1301: 1917-18 (M). WDR ME-81-1: Drainage area. WRD ME-91-1: 1936 (M).

GAGE.--Water-stage recorder. Datum of gage is 263.48 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 30, 1919, nonrecording gage at bridge 300 ft downstream at datum approximately 1.2 ft higher.

REMARKS.--Records good except for periods of ice effect, Jan. 1-15 and Jan. 27 to Mar. 8, which are fair. Flow partly regulated by powerplants above station; by Ossipee, Silver, Conway, and Kezar Lakes; by Moose, Hancock, Pine River, Bickford and Colcord Ponds; combined capacity, 3,400,000,000 ft³. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,600 ft³/s, Mar. 21-22, 1936, gage height, 21.90 ft (from floodmarks); minimum daily discharge, 244 ft³/s, Oct. 7, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,450 ft³/s, Jan. 24, gage height, 6.65 ft; minimum daily discharge, 284 ft³/s, Sept. 4.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2030	779	1600	e3090	e3220	e800	4040	2410	2000	548	698	352
2	2040	911	1350	e2900	e3050	e840	3860	2470	1930	531	557	349
3	1930	994	1520	e2600	e2700	e1000	3680	2410	1780	525	604	317
4	1840	1090	1210	e2400	e2300	e1180	3600	2340	1900	539	563	284
5	1780	1070	1600	e2280	e2000	e1200	3490	2070	1770	592	558	293
6	1470	1040	2160	e2120	e1920	e1310	3310	2020	1610	558	553	317
7	1200	1040	2900	e1750	e1800	e1220	2990	2010	1690	512	572	334
8	1140	1010	3010	e1750	e1650	e1400	2860	1950	1240	532	983	318
9	1150	998	2960	e1810	e1850	2350	2790	1830	1520	576	904	317
10	1120	1020	2950	e1710	e1850	2570	2640	1730	1190	576	761	317
11	1080	1000	2950	e1780	e1980	2930	2650	1670	1150	566	733	314
12	1040	958	2750	e1740	e1950	2940	2480	1780	1320	555	732	315
13	947	927	2350	e1810	e1900	2900	2620	2220	987	539	642	318
14	917	949	2210	e1890	e1800	2970	2800	2360	1190	544	561	327
15	873	895	2270	e2100	e1680	2970	2770	2210	1140	543	585	326
16	726	881	2190	2770	e1590	3010	2660	2430	1230	474	629	324
17	752	909	1780	3650	e1540	3230	2600	2910	1220	546	524	342
18	827	805	2030	4290	e1500	3530	2520	3710	1230	604	540	374
19	834	589	1980	4740	e1470	3860	2270	3630	1200	874	479	320
20	711	753	1680	4770	e1420	3930	2300	3620	1040	908	479	314
21	676	842	1660	5550	e1390	4220	2310	3330	958	822	478	314
22	751	1010	1830	6040	e1250	4760	2310	3250	839	650	484	320
23	839	1080	1560	6330	e1180	5040	2320	2960	814	675	477	339
24	895	1160	2260	6420	e1290	5300	2480	2810	737	689	457	327
25	882	1120	3850	6250	e1340	5430	2450	2610	537	695	439	328
26	876	1090	4000	5790	e1120	5390	2340	2410	683	572	424	440
27	920	1070	3970	e4900	e1000	5190	2320	2380	727	582	366	451
28	847	987	3990	e4350	e890	4940	2260	2100	661	597	400	431
29	808	932	3840	e3920	---	4690	2300	2030	585	561	369	420
30	695	1340	3650	e3650	---	4490	2510	2070	581	583	356	407
31	635	---	3440	e3380	---	4310	---	2030	---	652	350	---
TOTAL	33231	29249	77500	108530	48630	99900	82530	75760	35459	18720	17257	10249
MEAN	1072	975	2500	3501	1737	3223	2751	2444	1182	604	557	342
MAX	2040	1340	4000	6420	3220	5430	4040	3710	2000	908	983	451
MIN	635	589	1210	1710	890	800	2260	1670	537	474	350	284

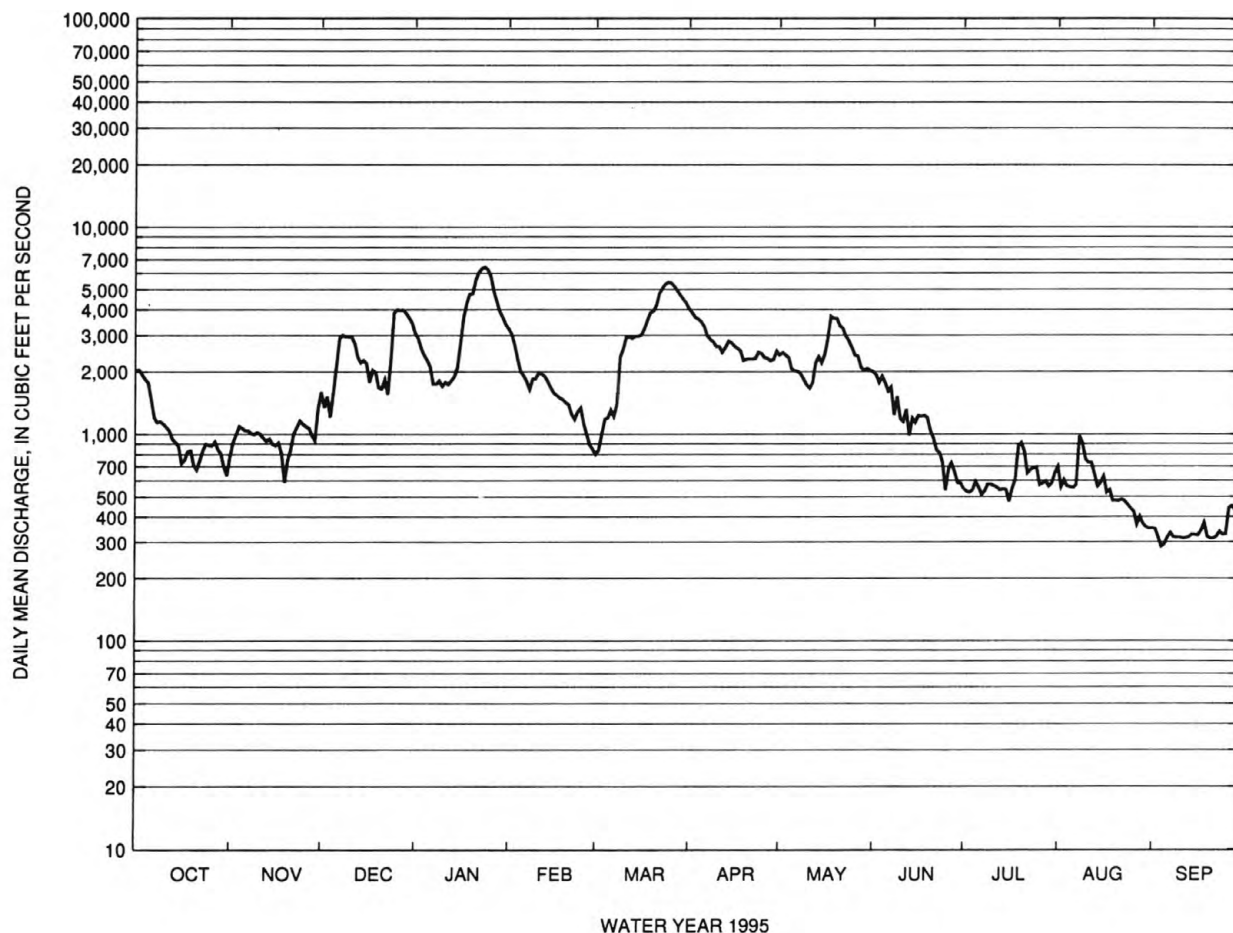
e Estimated

01066000 SACO RIVER AT CORNISH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1477	2339	2543	1970	1914	3163	7306	5525	2532	1380	1064	1038
MAX	6887	5689	8630	5791	6257	16220	12740	11720	8741	6802	3425	5073
(WY)	1978	1952	1974	1978	1986	1936	1969	1937	1917	1973	1990	1954
MIN	406	608	560	528	615	805	2751	1707	859	486	424	342
(WY)	1948	1979	1948	1948	1918	1940	1995	1941	1964	1991	1949	1995

SUMMARY STATISTICS	FOR 1994 CALENDAR YEAR		FOR 1995 WATER YEAR		WATER YEARS 1916 - 1995	
ANNUAL TOTAL	889281		637015			
ANNUAL MEAN	2436		1745		2683	
HIGHEST ANNUAL MEAN					4076	
LOWEST ANNUAL MEAN					1372	
					1973	
HIGHEST DAILY MEAN	14700		Apr 19		45600	
LOWEST DAILY MEAN	433		Aug 13		244	
ANNUAL SEVEN-DAY MINIMUM	561		Aug 12		301	
					Oct 13 1957	
INSTANTANEOUS PEAK FLOW			6450		Jan 24	
INSTANTANEOUS PEAK STAGE			6.65		Jan 24	
					46600	
					21.90	
					Mar 21 1936	
10 PERCENT EXCEEDS	6430		3650		6130	
50 PERCENT EXCEEDS	1520		1340		1660	
90 PERCENT EXCEEDS	822		447		670	



01066000 SACO RIVER AT CORNISH, ME--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- Water years 1954, 1975 to 1995 (discontinued).

CHEMICAL ANALYSES: Water years 1954, 1975 to 1995.

PERIOD OF DAILY RECORD. - -

SPECIFIC CONDUCTANCE: July 1975 to September 1981.

WATER TEMPERATURE: July 1975 to September 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE,	SPE-	PH	TEMPER- ATURE	TEMPER- ATURE	TUR- BID- ITY	BARO-	OXYGEN,	OXYGEN,	COLI-	STREP-
		INST.	CIFIC	WATER				METRIC		DIS-	FORM,	TOCOCCHI
		CUBIC	CON-	WHOLE				PRES-		SOLVED	FECAL,	
		FEET	DUCT-	FIELD				SURE		(PER-	0.7	KF AGAR
		PER	ANCE	(STAND-				OF		CENT	UM-MF	(COLS.
SECOND	(US/CM)	ARD	(MM	DIS-	SATUR-	(COLS./	PER					
(00061)	(00095)	UNITS)	HG)	(MG/L)	ATION)	100 ML)	100 ML)					
DEC												
20...	0900	1650	42	6.6	-6.0	0.5	0.80	762	13.5	93	K 4	K 4
FEB												
20...	1220	E 1420	46	6.4	3.0	0.5	0.80	755	14.1	99	26	2
APR												
17...	1130	2600	38	6.6	10.0	6.5	0.40	755	12.0	98	K 7	K 5
JUN												
20...	1131	1040	45	7.0	31.0	24.0	1.1	750	8.0	97	44	>60

DATE	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)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) AS F) (00950)	
	DEC 20...	9	2.7	0.46	3.9	0.50	6	5	2.4	5.0	0.30
	FEB 20...	9	2.7	0.47	3.8	0.60	--	E 7	3.0	5.2	0.30
	APR 17...	8	2.4	0.42	3.3	0.50	3	3	2.9	4.2	0.30
	JUN 20...	9	2.8	0.47	4.0	0.60	8	7	3.0	5.2	0.30

E Estimated value.

K Results based on colony count outside the accepted range (non-ideal colony count).

< Actual value is known to be less than the value shown.

01066000 SACO RIVER AT CORNISH, ME--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	
DEC 20...	7.2	34	26	<0.010	0.120	0.120	0.020	0.03	
FEB 20...	7.6	35	26	<0.010	0.150	0.150	0.030	0.04	
APR 17...	6.4	28	23	<0.010	0.090	0.090	<0.015	--	
JUN 20...	5.4	35	27	0.010	0.110	0.110	0.090	0.12	
DATE	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)
DEC 20...	<0.20	<0.010	<0.010	0.010	60	4	<3	120	<4
FEB 20...	<0.20	0.040	<0.010	<0.010	70	4	<3	120	<4
APR 17...	<0.20	0.010	0.020	<0.010	80	4	<3	99	7
JUN 20...	<0.20	0.020	0.080	0.060	50	4	<3	210	<4
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	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)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
DEC 20...	12	<10	<1	<1	<1.0	21	<6	3	27
FEB 20...	22	20	<1	<1	<1.0	20	<6	3	E 12
APR 17...	14	<10	<1	<1	<1.0	18	<6	2	14
JUN 20...	13	<10	<1	<1	<1.0	21	<6	16	45

01072100 SALMON FALLS RIVER AT MILTON, NH

LOCATION.--Lat 43°24'50", long 70°59'15", Strafford County, Hydrologic Unit 01060003, on right bank just downstream from Milton Pond, at Milton.

DRAINAGE AREA.--108 mi².

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.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by Great East and Lovell Lakes, and Horn, Wilson, and Milton (also controls Northeast and Town House) Ponds, combined usable capacity, 1,280,000,000 ft³.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,000 ft³/s, Apr. 6, 1984, gage height, 6.70 ft; minimum daily discharge, 18 ft³/s, Sept. 16, 1995.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 871 ft³/s, Dec. 26, gage height, 4.59 ft; minimum daily discharge, 18 ft³/s, Sept. 16.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	205	110	265	211	128	240	84	109	34	34	28
2	69	195	155	267	210	128	237	84	105	35	33	27
3	77	185	155	262	203	128	224	92	100	35	32	27
4	81	153	155	246	200	128	219	98	99	35	32	26
5	79	130	155	223	197	128	225	97	96	35	34	24
6	79	130	189	222	193	128	183	98	94	35	34	24
7	79	130	231	243	190	128	163	96	95	35	36	24
8	81	130	231	269	160	128	166	94	95	35	37	24
9	79	109	182	274	132	202	167	66	92	36	37	25
10	104	90	137	253	132	327	169	49	85	36	37	24
11	124	90	137	224	132	356	128	52	83	36	36	24
12	134	90	137	208	131	327	93	58	81	36	36	24
13	145	90	137	215	131	268	93	60	86	41	35	24
14	154	80	137	229	132	245	95	63	93	41	34	22
15	155	71	113	227	132	248	97	67	95	41	34	19
16	154	70	84	333	132	258	97	82	97	40	33	18
17	185	70	84	426	132	281	97	161	97	34	33	18
18	198	70	84	420	132	337	97	203	96	30	32	23
19	187	69	84	378	131	386	88	193	92	32	32	28
20	206	69	84	365	130	399	82	185	86	32	31	27
21	228	69	84	424	130	404	83	170	68	32	31	27
22	213	69	84	523	130	491	83	161	57	32	30	27
23	197	69	84	539	128	538	84	115	55	32	29	26
24	189	69	128	476	128	507	84	92	52	32	29	26
25	186	69	623	402	128	430	84	96	45	32	27	26
26	184	69	854	344	128	362	84	95	45	32	27	26
27	182	69	696	277	128	319	84	96	40	33	27	26
28	181	69	529	244	128	274	84	94	37	33	27	26
29	181	69	414	239	---	240	84	94	35	33	27	26
30	180	69	316	228	---	229	84	106	35	33	27	25
31	192	---	276	219	---	234	---	110	---	34	28	---
TOTAL	4558	2916	6869	9464	4171	8686	3798	3211	2345	1072	991	741
MEAN	147	97.2	222	305	149	280	127	104	78.2	34.6	32.0	24.7
MAX	228	205	854	539	211	538	240	203	109	41	37	28
MIN	69	69	84	208	128	128	82	49	35	30	27	18

01072100 SALMON FALLS RIVER AT MILTON, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1995, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	168	185	225	177	189	309	433	223	124	61.0	63.1	80.5
MAX	499	357	604	384	439	720	908	431	453	143	165	145
(WY)	1978	1984	1984	1978	1970	1979	1969	1984	1984	1973	1982	1981
MIN	81.4	77.9	40.5	59.7	60.8	108	103	55.4	40.4	26.1	24.9	22.3
(WY)	1969	1987	1979	1977	1977	1993	1985	1985	1985	1991	1993	1993

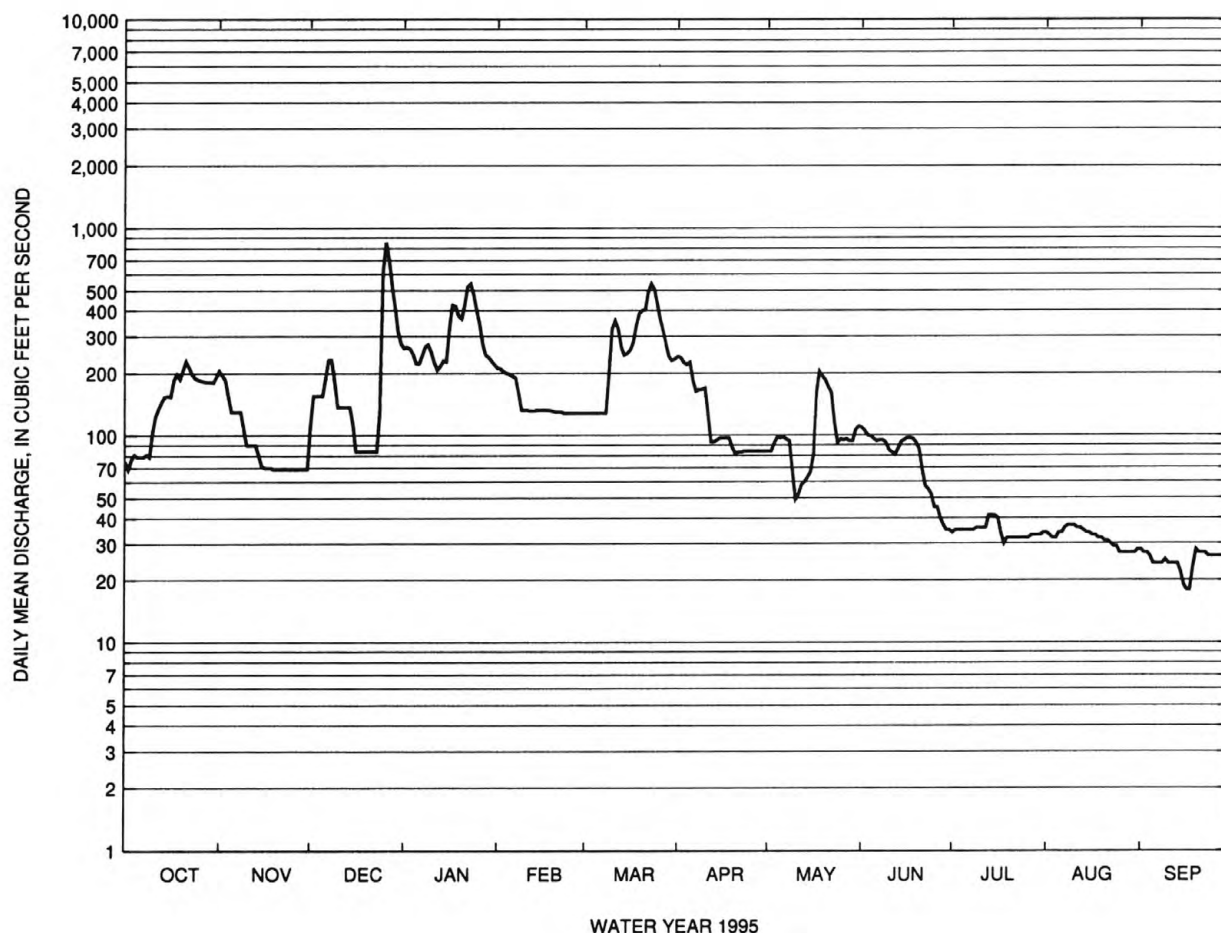
SUMMARY STATISTICS

FOR 1994 CALENDAR YEAR

FOR 1995 WATER YEAR

WATER YEARS 1969 - 1995

ANNUAL TOTAL	59056	48822	
ANNUAL MEAN	162	134	186
HIGHEST ANNUAL MEAN			307
LOWEST ANNUAL MEAN			98.6
HIGHEST DAILY MEAN	854	Dec 26	854
LOWEST DAILY MEAN	23	Sep 6	18
ANNUAL SEVEN-DAY MINIMUM	24	Sep 5	21
INSTANTANEOUS PEAK FLOW		871	Dec 26
INSTANTANEOUS PEAK STAGE		4.59	Dec 26
10 PERCENT EXCEEDS	320	268	391
50 PERCENT EXCEEDS	125	95	132
90 PERCENT EXCEEDS	30	28	38



Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
ST. JOHN RIVER BASIN						
Factory Brook 01014700	St. John River	Lat 47°21'09", long 68°17'55", 12 ft upstream from culvert in U.S. Highway 1, 1/2 mi upstream from mouth and 1.1 mi east of Madawaska, Maine.	5.83	Many	07-06-95	0.72
					08-29-95	.30
Ginn Brook	Hockenhull Brook	Lat 46°45'53", long 67°54'27", downstream end of culvert in Ginn Road and 1.3 mi upstream from mouth, 4 mi west of Fort Fairfield, Maine.	6.04	1994	07-06-95	.46
					08-29-95	.35
Marley Brook 01017900	Limestone Brook	Lat 46°08'42", long 68°03'42", at culvert in U.S. Route 2, 0.4 mi upstream from mouth, and 1.1 mi west of Ludlow, Maine.	1.47	Many	07-06-95	^a .074
					08-29-95	^a .10
					09-07-95	^a .078
Big Brook	Meduxnekeag River	Lat 46°12'00", long 67°49'10", at culvert in Carson Road, 0.9 mi upstream from mouth, and 2.4 mi southeast of Littleton, Maine.	13.1	1994	07-06-95	4.34
					08-29-95	1.04
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	08-14-95	4.99
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	08-31-95	13.7
					08-31-95	14.2
East Branch Wesserunsett Stream	Kennebec River	Lat 44°56'51", long 69°39'26", Somerset County, at upstream end of culvert in Rte. 150, 2.5 mi upstream from mouth.	19.3	--	06-29-94	33.5
					07-21-94	4.77
					08-19-94	5.39
					08-22-94	8.75
					09-09-94	2.84
ANDROSCOGGIN RIVER BASIN						
Little Androscoggin River	Androscoggin River	Lat 44°16'18", long 70°31'10", 50 yards downstream from confluence with Cole and Moody Brooks, 3.4 mi upstream from dam in South Paris, Maine.	about 77	--	10-05-95	18.8
Little Androscoggin River	Androscoggin River	Lat 44°14'55", long 70°30'59", 1.8 mi upstream from dam in South Paris, Maine.	about 77	1994	10-05-95	20.4
Little Androscoggin River	Androscoggin River	Lat 44°14'32", long 70°31'04", 1.4 mi upstream from dam in South Paris, Maine.	about 77	1994	10-05-95	22.3
ROYAL RIVER BASIN						
Collyer Brook #01059800	Royal River	Lat 43°55'03", Long 70°19'02", 50' downstream of Rte 202, 2.4 miles northeast of Gray, Maine.	13.8	1964-82	9/15/95	11.4
					9/27/95	12.2
PRESUMPCOT RIVER BASIN						
Unnamed Tributary	Crooked River	Lat 44°13'51", Long 70°45'16", 30' downstream of Rte 118, 0.9 miles east of Rte 35, near North Waterford, Maine.	.89	--	9/07/95	.02

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PRESUMPCOT RIVER BASIN--Continued						
Crooked River	Songo River	Lat 44°14'24", Long 70°43'05", 40' below Hunts Corner Road, 1 mile north of Rte 118, near East Waterford, Maine.	60.2	--	8/24/95	3.74
Crooked River	Songo River	Lat 44°13'47", Long 70°42'03", 1 mile upstream of McIntire Road, at end of Fire Road #59, near East Waterford, Maine.	67.5	--	8/24/95	4.46
McIntire Brook	Crooked River	Lat 44°13'27", Long 70°41'00", upstream end of culvert in McIntire Road, 0.5 miles north-east of Rte 118, near East Waterford, Maine.	.72	--	9/07/95	.02
Crooked River	Songo River	Lat 44°13'11", Long 70°41'11", 400' below McIntire Road, 0.2 miles northeast of Rte 118, near East Waterford, Maine.	69.1	--	8/24/95	5.40
Unnamed Tributary	Crooked River	Lat 44°12'46", Long 70°40'49", 40' upstream of Rte 118, at junction with Rte 37, near East Waterford, Maine.	4.85	--	9/07/95	.48
Crooked River	Songo River	Lat 44°12'46", Long 70°40'11", 0.25 miles upstream of Rte 118 bridge, 0.5 miles east of Rte 35, near East Waterford, Maine.	75.7	--	8/17/95	11.5
Crooked River	Songo River	Lat 44°08'37", Long 70°35'44", 200' upstream of Ryefield Bridge Road, 0.4 miles east of Stuarts Corner, near Harrison, Maine.	99.3	--	8/17/95	12.4
Unnamed Tributary	Crooked River	Lat 44°07'40", Long 70°35'38", downstream end of culvert in Plains Road, 1 mile south of Stuarts Corner near Harrison, Maine.	1.81	--	9/07/95	^a <.001
Crooked River	Songo River	Lat 44°03'08", Long 70°36'31", 3 miles below Scribner Mills, near Harrison, Maine.	112	--	8/17/95	26.2
Crooked River	Songo River	Lat 44°00'06", Long 70°34'24", 0.25 miles upstream of Edes Falls, near Naples, Maine.	130	1975-77	8/17/95	25.3
Crooked River 01063100	Sebago Lake	Lat 43°55'45", Long 70°33'50", 50' down-stream of Rte 11 bridge, 1.3 miles north of Rte 302, at the town line of Casco and Naples, Maine.	150	1975-77	6/20/95 6/29/95 7/14/95 8/04/95 8/11/95 8/17/95 8/23/95 8/28/95 9/01/95	95.5 55.5 41.1 45.2 37.0 36.2 25.8 22.8 22.7
Whitney Brook	Sebago Lake	Lat 43°54'57", Long 70°35'25", 50' down-stream of access road, 1.7 miles south of Songo Locks near Naples, Maine.	.40	--	8/23/95	<.01
Muddy River	Sebago Cove	Lat 43°56'59", Long 70°37'44", 20' upstream of Kimball Corner Road, 2 miles south of Rte 302, near Naples, Maine.	16.1	1975-77	7/19/95	7.35
Unnamed Tributary	Sebago Cove	Lat 43°57'05", Long 70°37'19", downstream end of culvert in Gore Road, 1.8 miles north of Rte 114/Rte 11, in Naples, Maine.	1.48	--	8/22/95	.20
Leavitt Brook	Sebago Cove	Lat 43°56'41", Long 70°38'20", downstream end of culvert in Kimball Corner Road, 2.7 miles from Rte 302, near Naples, Maine.	.94	--	8/22/95	^a .001

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft³/s)
PRESUMPCOT RIVER BASIN--Continued						
Unnamed Tributary	Sebago Cove	Lat 43°55'49", Long 70°36'54", downstream end of culvert in Gore Road, 0.3 miles north of Rte 114/Rte 11, in Naples, Maine.	0.010	--	8/22/95	0.00
Unnamed Tributary	Sebago Cove	Lat 43°57'03", Long 70°37'34", downstream end of culvert in Kimball Corner Road, 1.9 miles south of Rte 302, near Naples, Maine.	.65	--	8/22/95	^a .006
Unnamed Tributary	Sebago Cove	Lat 43°55'34", Long 70°37'18", downstream end of culvert in Burrell Road, 0.1 miles west of Rte 114/Rte 11, in Naples, Maine.	1.27	--	8/22/95	^a .012
Unnamed Tributary	Sebago Lake	Lat 43°55'01", Long 70°36'48", downstream end of culvert in Anderson Road, 2.2 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.022	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°55'00", Long 70°37'08", 100' downstream of Anderson Road, 2.2 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.004	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°54'56", Long 70°36'36", downstream end of culvert in Anderson Road, 2.0 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.008	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°54'40", Long 70°35'38", downstream end of culvert in Anderson Road, 1.8 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.027	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°54'27", Long 70°36'37", downstream of culvert in Anderson Road, 1.5 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.049	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°54'07", Long 70°36'46", 20' upstream of Anderson Road, 0.8 miles northeast of Rte 114/Rte 11, in Sebago, Maine.	.11	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°54'01", Long 70°37'10", downstream end of culvert in Anderson Road, 0.4 miles east of Rte 114/Rte 11, in Sebago, Maine.	.21	--	8/22/95	.00
Dingley Brook	Sebago Lake	Lat 43°54'30", Long 70°30'51", downstream end of culvert in Raymond Neck Rd., 0.4 miles south of Rte 302, near South Casco, Maine.	5.18	1975-77	8/22/95	.55
Unnamed Tributary	Sebago Lake	Lat 43°54'37", Long 70°31'46", downstream end of culvert in Fire Road #4, 0.6 miles south of Rte 302, near South Casco, Maine.	.045	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°54'40", Long 70°31'59", downstream end of culvert in Fire Road #4, 0.8 miles south of Rte 302, near South Casco, Maine.	.29	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°54'38", Long 70°31'31", downstream of culvert in Fire Road #3, 0.3 miles south of Rte 302, near South Casco, Maine.	.088	--	8/22/95	<.01
Unnamed Tributary	Sebago Lake	Lat 43°53'34", Long 70°30'50", 60' west of Casselton Road, 1.5 miles south of Rte 302, near Raymond, Maine.	.20	--	8/23/95	.08
Unnamed Tributary	Sebago Lake	Lat 43°52'28", Long 70°31'22", 10' upstream of culvert in Shaw Road, 3.1 miles south of Rte 302, near Raymond, Maine.	.21	--	8/23/95	.00

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PRESUMPCOT RIVER BASIN--Continued						
Dingley Brook	Sebago Lake	Lat 43°55'49", Long 70°32'35", downstream end of culvert in Rigg Road, 0.2 miles south of Rte 302, near South Casco, Maine.	1.20	--	8/22/95	^a 0.057
Unnamed Tributary	Sebago Lake	Lat 43°55'29", Long 70°32'54", upstream end of culvert in Shore Road, 0.8 miles south of Rte 302, near South Casco, Maine.	.26	--	8/22/95	.02
Batchelder Brook	Sebago Lake	Lat 43°53'29", Long 70°37'49", 100' upstream of Rte 114/Rte 11, 2.7 miles north of junction with Rte 11, in Sebago, Maine.	2.36	1975-77	5/23/95 7/19/95	3.18 2.11
Unnamed Tributary	Sebago Lake	Lat 43°53'11", Long 70°37'56", 30' downstream of Rte 114/Rte 11, 2.3 miles north of junction with Rte 11, near Sebago, Maine.	.18	--	8/22/95	<.01
Nason Brook	Sebago Lake	Lat 43°53'03", Long 70°38'00", 25' upstream of Rte 114/Rte 11, 2.1 miles north of junction with Rte 11, in Sebago, Maine.	1.38	--	7/24/95	.18
Unnamed Tributary	Sebago Lake	Lat 43°52'23", Long 70°38'08", 60' upstream of Rte 114/Rte 11, 1.3 miles north of junction with Rte 11, near Sebago, Maine.	.14	--	8/22/95	<.01
Unnamed Tributary	Sebago Lake	Lat 43°52'14", Long 70°38'11", 100' downstream of Rte 114/Rte 11, 1.1 miles north of junction with Rte 11, near East Sebago, Maine.	.13	--	7/24/96	.00
Northwest River	Sebago Lake	Lat 43°51'41", Long 70°38'32", downstream end of box culvert in Old Rte 114, 0.5 miles north of Rte 11, in East Sebago, Maine.	22.3	1975-77	7/19/95	19.1
Stony Brook	Northwest River	Lat 43°50'45", Long 70°39'02", upstream end of culvert in Rte 11, 0.8 miles southwest of East Sebago near Baldwin, Maine.	1.02	--	6/20/95 6/29/95 7/14/95 7/19/95 7/24/95 8/04/95 8/11/95 8/22/95 8/28/95 9/01/95 9/18/95 9/25/95 9/27/95	.07 .01 <.01 .20 .03 .02 <.01 .00 .00 .00 <.01 .02 .03
Stony Brook	Northwest River	Lat 43°51'20", Long 70°38'25", 100' upstream of culvert in Rte 114/Rte 11, 200' north of junction with Rte 11, at East Sebago, Maine.	1.58	--	6/20/95 6/29/95 7/14/95 7/19/95 7/24/95 8/04/95 8/11/95 8/22/95 8/28/95 9/01/95 9/15/95 9/18/95 9/25/95 9/27/95	.50 .16 ^a .19 .40 .13 .11 ^a .11 ^a .057 ^a .031 ^a .042 ^a .018 ^a .094 ^a .067 ^a .084

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PRESUMSCOT RIVER BASIN--Continued						
Unnamed Tributary	Northwest River	Lat 43°51'26", Long 70°38'35", upstream end of culvert in Rte 114/Rte 11, 0.2 miles north of junction with Rte 11, near East Sebago, Maine.	0.20	--	7/24/95	0.00
Unnamed Tributary	Sebago Lake	Lat 43°51'04", Long 70°38'01", downstream of Rte 114, 0.5 miles south of Rte 11, near East Sebago, Maine.	.23	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°50'51", Long 70°37'48", at culvert in Rte 114, 0.7 miles south of Rte 11, near East Sebago, Maine.	.019	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°50'44", Long 70°37'41", upstream end of culvert in Rte 114, 0.9 miles south of Rte 11, near East Sebago, Maine.	.34	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°50'26", Long 70°37'13", below down- stream end of culvert in Rte 114 at Sebago- Standish town line, 7.6 miles from Sebago Lake Village in Standish, Maine.	.76	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°50'23", Long 70°37'07", at culvert in Rte 114 near Long Beach, 7.5 miles northwest of Sebago Lake Village in Standish, Maine.	.071	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°50'20", Long 70°36'59", downstream end of culvert in Rte 114, 7.4 miles northwest of Sebago Lake Village in Standish, Maine.	.020	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°50'16", Long 70°36'52", downstream of culvert in Rte 114, 7.3 miles northwest of Sebago Lake Village in Standish, Maine.	.011	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°50'12", Long 70°36'44", downstream end of culvert in Rte 114, 7.2 miles northwest of Sebago Lake Village in Standish, Maine.	.062	--	8/22/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°49'50", Long 70°36'23", upstream of culvert in Rte 114, 6.6 miles northwest of Sebago Lake Village in Standish, Maine.	.034	--	8/10/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°49'45", Long 70°36'14", downstream side of Rte 114, 6.5 miles northwest of Sebago Lake Village in Standish, Maine.	.23	--	8/10/95	.00
Unnamed Tributary	Sebago Lake	Lat 43°49'44", Long 70°36'08", 75' upstream of Old Rte 114, 6.3 miles northwest of Sebago Lake Village in Standish, Maine.	.27	--	8/10/95	.12
Unnamed Tributary	Sebago Lake	Lat 43°49'40", Long 70°35'54", 20' upstream of Rte 114, 6.1 miles northwest of Sebago Lake Village in Standish, Maine.	.013	--	8/10/95	.00
Sucker Brook	Sebago Lake	Lat 43°49'16", Long 70°35'27", downstream end of culvert in Rte 114, 5.6 miles northwest of Sebago Lake Village near Standish, Maine.	.84	--	8/22/95	<.01
Unnamed Tributary	Sebago Lake	Lat 43°49'53", Long 70°36'28", upstream of culvert in Rte 114, 6.7 miles north of Sebago Lake Village, near Standish, Maine.	.011	--	8/10/95	<.01

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft³/s)
PRESUMPCOT RIVER BASIN--Continued						
Rich Millpond Outlet	Sebago Lake	Lat 43°47'01", Long 70°33'53", 150' down- stream of Rte 114, 2.5 miles northwest of Sebago Lake Village in Standish, Maine.	4.81	1975-77	8/10/95	2.18
Unnamed Tributary	Sebago Lake	Lat 43°46'45", Long 70°33'07", downstream end of culvert in Rte 114, 1.7 miles northwest of Sebago Lake Village in Standish, Maine.	.13	--	8/10/95	^a .013
Sticky River	Sebago Lake	Lat 43°45'52", long 70°33'05", 175' down- stream of Moody Rd., 2.3 miles from Sebago Lake Village in Standish, Maine.	1.44	--	8/10/95	.05
Unnamed Tributary	Sticky River	Lat 43°46'18", Long 70°32'40", 50' upstream of Sticky River, 1.2 miles northwest of Sebago Lake Village in Standish, Maine.	.14	--	8/10/95	.02
Standish Brook	Sebago Lake	Lat 43°45'41", long 70°31'38", downstream end of culvert in Rte 114, 0.1 miles west of Sebago Lake Village in Standish, Maine.	.50	1975-76	8/10/95	.02
Unnamed Tributary	Sebago Lake	Lat 43°45'08", Long 70°31'30", downstream of culvert in Pond Road, 0.1 miles north of Rte 35, near Sebago Lake Village in Standish, Maine.	.066	--	8/10/95	.00
Panther Run	Sebago Lake	Lat 43°54'05", Long 70°27'55", 120' down- stream of Mill Street dam, 0.2 miles east of Rte 121, near Raymond Village, Maine.	29.9	1978	7/19/95	10.8
Unnamed Tributary	Sebago Lake	Lat 43°53'59", Long 70°28'55", downstream end of culvert in Deep Cove Shore Road, 0.2 miles south of Rte 302, near Raymond, Maine.	.62	--	9/01/95	<.01
Hyde Brook	Sebago Lake	Lat 43°52'32", Long 70°27'55", 75' down- stream of box culvert in Rte 302, 3.4 miles northwest of Rte 115, in North Windham, Maine.	1.34	--	9/01/95	.06
Unnamed Tributary	Outlet Brook	Lat 43°51'05", Long 70°26'38", 30' down- stream of culvert in Angler Road, at outlet of Pettingill Pond, 0.5 miles east of Rte 302, in North Windham, Maine.	.62	--	8/28/95	.00
Outlet Brook	Sebago Lake	Lat 43°50'41", Long 70°27'21", 25' down- stream of Sokokis Point Rd., 0.1 miles south of Whites Bridge Rd., in North Windham, Maine.	1.20	--	5/02/95 8/15/95	.25 .04
Presumpscot River	Atlantic Ocean	Lat 43°49'50", Long 70°27'01", 80' down- stream of Rte 35 bridge, 0.7 miles west of Rte 302, near North Windham, Maine.	440	--	8/28/95	92.6
Unnamed Tributary	Presumpscot River	Lat 43°49'40", Long 70°26'40", 100' upstream of culvert in Northwood Road, 0.5 miles south of Rte 35, near North Windham, Maine.	.084	--	8/11/95 8/23/95 8/28/95 9/15/95 9/18/95 9/27/95	.01 .00 <.01 .00 .02 <.01
Pleasant River	Presumpscot River	Lat 43°50'04", Long 70°23'05", 150' upstream of bridge on Brand and Knight Road, 0.2 miles west of Rte 202, near North Windham, Maine.	17.7	--	5/23/95 7/14/95	30.3 1.88

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PRESUMPCOT RIVER BASIN--Continued						
Pleasant River	Presumpscot River	Lat 43°49'14", Long 70°24'14", 10' upstream of bridge in William Knight Road, 0.3 miles northwest of Rte 202, near North Windham, Maine.	23.9	--	7/14/95	3.58
Pleasant River	Presumpscot River	Lat 43°48'21", Long 70°24'40", 200' downstream of culvert in Rte 302, 2.5 miles southeast of North Windham, Maine.	45.8	--	7/14/95	11.3
Unnamed Tributary	Little Sebago Lake	Lat 43°50'59", Long 70°25'54", 5' downstream of culvert in Sandbar Road, 1.1 miles north of Rte 115 in North Windham, Maine.	.39	--	8/28/95	.39
Unnamed Tributary	Tarkill Pond	Lat 43°50'25", Long 70°26'11", 10' downstream of culvert in Sandbar Road, 0.4 miles north of Rte 115, in North Windham, Maine.	.29	--	8/28/95	<.01
Ditch Brook	Pleasant River	Lat 43°50'16", Long 70°25'24", 100' below Mill Pond dam, on Rte 115, 0.8 miles east of Rte 302, near North Windham, Maine.	19.1	--	5/02/95	1.26
					5/23/95	.70
					7/13/95	1.07
					8/15/95	1.66
Ditch Brook	Pleasant River	Lat 43°50'12", Long 70°25'26", 200' upstream of Collins Pond, near North Windham, Maine.	19.1	--	7/13/95	1.78
Ditch Brook	Pleasant River	Lat 43°49'37", Long 70°25'35", 30' downstream of Collins Pond dam, near North Windham, Maine.	19.4	--	7/13/95	4.15
					8/11/95	5.28
					8/15/95	4.32
Ditch Brook	Pleasant River	Lat 43°49'26", Long 70°25'44", 0.2 miles downstream of Collins Pond dam, near North Windham, Maine.	19.4	--	7/13/95	2.97
Ditch Brook	Pleasant River	Lat 43°49'03", Long 70°25'35", 175' upstream of culvert in sandpit access road, 0.7 mi upstream of dam at Varney Mill Road, near North Windham, Maine.	19.9	--	8/11/95	6.71
					8/16/95	6.08
Ditch Brook	Pleasant River	Lat 43°49'04", Long 70°25'17", 0.3 miles upstream of dam at Varney Mill Rd., near North Windham, Maine.	20.0	--	7/13/95	5.71
Ditch Brook	Pleasant River	Lat 43°48'23", Long 70°24'39", 150' upstream of culvert in Rte 302, 2.5 miles southeast of North Windham, Maine.	20.5	--	5/02/95	7.25
					7/13/95	5.83

^a Volumetric measurement

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--daily-mean values stored based on 24 hourly measurements.

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.--Nov. 1976 to current year.

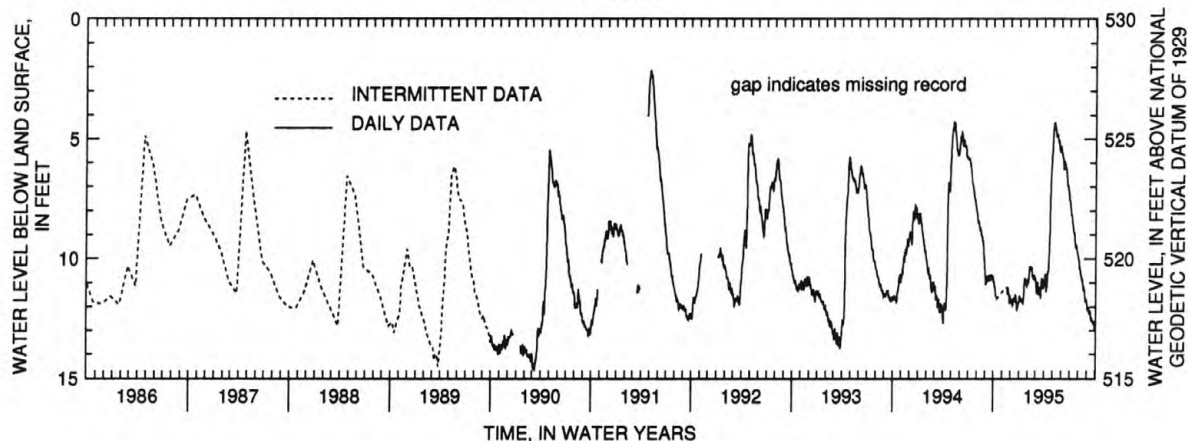
REVISED RECORDS.--WDR ME-84-1: 1980, 1981.

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 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.94	---	11.84	11.71	10.86	10.82	10.95	5.27	5.45	7.60	9.91	11.87
2	10.94	---	11.67	11.53	11.00	10.96	11.13	5.00	5.55	7.56	9.97	12.02
3	11.04	---	11.75	11.59	11.04	11.13	10.96	4.79	5.53	7.60	10.06	12.15
4	11.11	---	11.83	11.59	10.96	11.36	10.72	4.57	5.67	7.76	10.08	12.12
5	11.24	---	11.82	11.61	10.74	11.47	10.62	4.43	5.70	7.88	10.28	12.07
6	11.16	---	11.67	11.66	10.66	11.17	10.83	4.35	5.74	7.96	10.41	12.10
7	11.28	---	11.75	11.67	10.49	11.08	11.12	4.32	5.77	8.10	10.40	12.08
8	11.38	---	11.88	11.76	10.37	11.01	11.39	4.28	5.94	8.23	10.48	12.19
9	11.59	---	11.94	11.76	10.31	11.01	11.19	4.40	6.17	8.16	10.53	12.27
10	---	---	11.91	11.82	10.35	11.15	11.16	4.46	6.30	8.23	10.60	12.26
11	m11.69	---	11.73	11.76	10.35	11.35	11.21	4.51	6.21	8.43	10.73	12.24
12	---	---	11.67	11.70	10.36	11.52	10.86	4.51	5.92	8.52	10.81	12.18
13	---	---	11.64	11.68	10.33	11.44	10.55	4.68	5.98	8.59	10.75	12.19
14	---	---	11.63	11.83	10.48	11.31	10.53	4.91	6.05	8.74	10.93	12.25
15	---	m11.19	11.68	11.85	10.43	11.32	10.52	4.79	6.03	8.81	10.83	12.47
16	---	11.20	11.79	11.77	10.35	11.29	10.58	4.79	6.11	8.91	10.87	12.60
17	---	11.20	11.66	11.57	10.63	11.18	10.26	4.87	6.19	8.90	11.00	12.50
18	---	11.20	11.52	11.44	10.78	11.42	10.05	4.82	6.28	8.94	11.15	12.45
19	---	11.24	11.53	11.17	10.73	11.66	9.67	4.82	6.21	9.02	11.26	12.54
20	---	11.46	11.68	10.84	10.81	11.47	9.29	4.97	6.37	9.21	11.23	12.56
21	---	11.44	11.65	10.87	10.76	11.11	8.88	5.13	6.54	9.29	11.20	12.60
22	---	11.19	11.73	10.90	10.85	10.91	8.02	5.09	6.63	9.51	11.22	12.63
23	---	11.24	12.08	10.81	10.88	10.80	7.38	5.14	6.89	9.52	11.35	12.69
24	---	11.39	12.18	10.89	10.67	11.02	6.88	5.12	6.97	9.40	11.32	12.75
25	---	11.45	12.05	10.96	10.74	11.19	6.65	5.31	6.95	9.50	11.57	12.68
26	---	11.59	12.01	11.04	10.82	11.13	6.45	5.46	6.96	9.45	11.75	12.65
27	---	11.86	12.02	11.01	10.83	11.18	6.18	5.48	7.11	9.57	11.74	12.61
28	---	11.61	11.93	11.05	10.78	11.20	5.99	5.54	7.19	9.72	11.73	12.76
29	---	11.50	11.83	11.21	---	11.26	5.72	5.38	7.23	9.75	11.67	12.96
30	---	11.75	11.82	11.02	---	11.12	5.51	5.27	7.47	9.77	11.71	12.98
31	---	---	11.84	10.90	---	10.93	---	5.37	---	9.88	11.80	---
LOW	---	---	12.18	11.85	11.04	11.66	11.39	5.54	7.47	9.88	11.80	12.98
HIGH	---	---	11.52	10.81	10.31	10.80	5.51	4.28	5.45	7.56	9.91	11.87
WTR YR 1995	HIGHEST 4.28 MAY 8		LOWEST 12.98 SEPT 30									
m	Measured											

**ARW 890
471457068353001**



AROOSTOOK COUNTY--Continued

463642069344601 Local number, ARW 891

LOCATION.--Lat 46 36'42", long 69 34'46", Hydrologic Unit 01010002, about 2.7 mi west of the village of Clayton Lake, T 11, R 14. Owner: International Paper Co.

AQUIFER.--Seboomook Formation of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 80 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 1,050 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Electric tape gage index, at land-surface datum, which is 2.8 ft above the general land surface.

PERIOD OF RECORD.--July 1978 to current year.

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

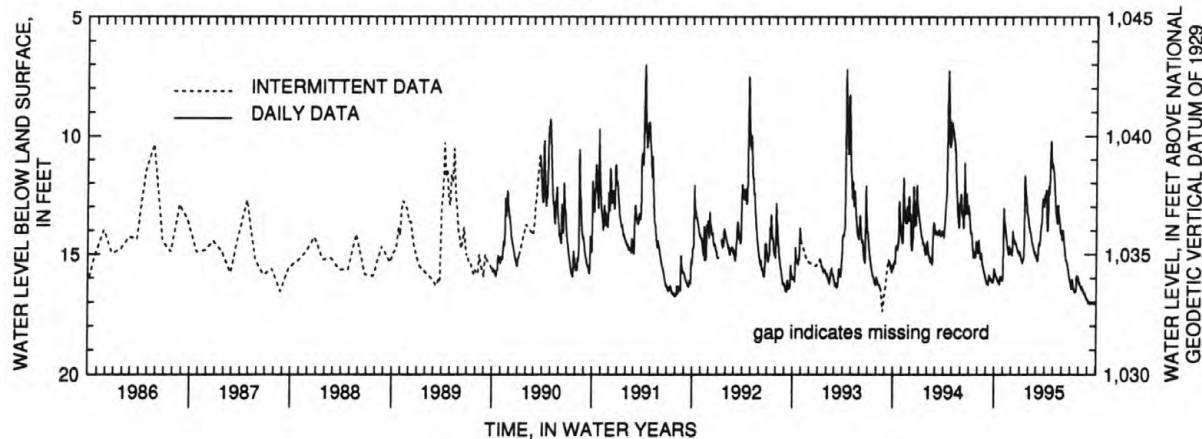
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.96 ft below land-surface datum, Apr. 26, 1983; lowest recorded, 17.08 ft below land-surface datum, Sept. 25, 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.62	15.94	14.92	14.97	13.54	15.06	12.53	11.37	14.22	16.15	16.11	16.87
2	15.71	15.10	14.95	14.95	13.67	15.10	12.48	11.45	14.40	16.18	16.21	16.91
3	15.78	13.17	15.01	15.01	13.82	15.17	12.59	11.56	14.38	16.27	16.23	16.98
4	15.81	13.04	15.04	15.05	13.90	15.24	12.64	11.74	13.96	16.34	16.21	17.03
5	15.84	13.56	15.05	15.17	13.83	15.28	12.70	11.93	14.04	16.40	16.23	17.01
6	15.88	13.73	14.59	15.21	13.90	15.27	12.29	12.17	14.13	16.45	16.29	16.97
7	15.92	13.75	14.00	15.24	14.04	15.25	12.52	12.45	14.21	16.47	16.31	16.97
8	15.94	13.71	14.17	15.27	14.08	15.10	13.52	12.74	14.39	16.30	16.35	16.97
9	15.94	13.83	14.28	15.24	14.11	14.82	13.88	12.88	14.55	16.04	16.38	16.98
10	15.99	13.96	14.33	15.35	14.18	14.65	14.05	13.07	14.65	16.15	16.43	17.02
11	16.05	14.11	14.35	15.39	14.24	14.53	14.01	13.25	14.74	16.29	16.46	17.06
12	16.09	14.23	14.42	15.32	14.34	14.51	13.85	13.41	14.80	16.36	16.43	17.07
13	16.09	14.36	14.47	15.25	14.46	14.55	13.44	13.46	14.92	16.40	16.40	17.04
14	16.15	14.43	14.51	15.21	14.51	14.65	12.40	13.52	15.03	16.44	16.48	17.03
15	16.17	14.49	14.49	15.17	14.55	14.49	12.11	13.69	15.15	16.46	16.48	17.06
16	16.19	14.63	14.53	14.87	14.59	14.33	12.44	13.70	15.26	16.52	16.44	17.06
17	16.22	14.71	14.51	13.42	14.66	14.09	12.51	13.38	15.28	16.55	16.50	17.03
18	16.21	14.77	14.51	11.99	14.72	13.91	12.20	12.99	15.28	16.50	16.57	16.98
19	16.23	14.82	14.56	11.67	14.72	13.82	11.86	12.93	15.32	16.50	16.61	17.02
20	16.24	14.96	14.67	11.88	14.79	13.75	11.09	13.16	15.37	16.53	16.60	17.03
21	16.14	14.99	14.69	12.19	14.85	13.70	10.68	13.32	15.43	16.54	16.59	17.04
22	15.95	14.97	14.74	12.35	14.94	13.39	10.29	13.40	15.48	16.57	16.66	17.04
23	15.93	15.04	14.79	12.50	14.94	12.98	10.22	13.49	15.58	16.56	16.72	17.03
24	15.94	14.65	14.81	12.65	14.88	12.73	10.59	13.59	15.64	15.97	16.63	17.05
25	15.99	14.79	14.86	12.76	14.95	12.67	10.94	13.75	15.72	15.91	16.67	17.08
26	16.02	14.91	14.93	12.84	15.06	12.72	11.19	13.88	15.83	15.95	16.73	17.06
27	16.04	14.86	14.93	12.97	15.09	12.86	11.33	14.02	15.89	15.89	16.78	17.04
28	16.06	14.86	14.88	13.23	15.08	12.97	11.34	14.11	15.95	16.01	16.84	17.05
29	16.08	14.76	14.89	13.33	---	13.01	11.21	14.14	16.02	16.02	16.84	17.07
30	16.10	14.81	15.01	13.35	---	12.90	11.22	14.15	16.08	15.93	16.87	17.00
31	16.12	---	15.06	13.46	---	12.73	---	14.11	---	16.01	16.87	---
LOW	16.24	15.94	15.06	15.39	15.09	15.28	14.05	14.15	16.08	16.57	16.87	17.08
HIGH	15.62	13.04	14.00	11.67	13.54	12.67	10.22	11.37	13.96	15.89	16.11	16.87

WTR YR 1995 HIGH 10.22 APRIL 23 LOW 17.08 SEPT 25

ARW 891
463642069344601



AROOSTOOK COUNTY--Continued

464234068010401 Local number, ARW 895

LOCATION --Lat 46°42'34", long 68°01'04", Hydrologic Unit 01010004, about 2.0 mi north of City of Presque Isle. Owner: U.S. Geological Survey.

AQUIFER --Ice-contact deposits of Pleistocene age.

WELL CHARACTERISTICS --Wash-bored unconfined observation well, diameter 2 in., Oct. 1986. Measured depth 20 ft, screened depth 15 to 20 ft, screen slot size 0.006 in.

INSTRUMENTATION --Electronic water-level recorder Oct. 1 to Apr. 6. --Daily-mean values stored based on 24 hourly measurements. Data logger was removed on April 7. Monthly measurement with chalked steel tape by local observer.

DATUM --Elevation of land-surface datum is 409 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.94 ft above land-surface datum.

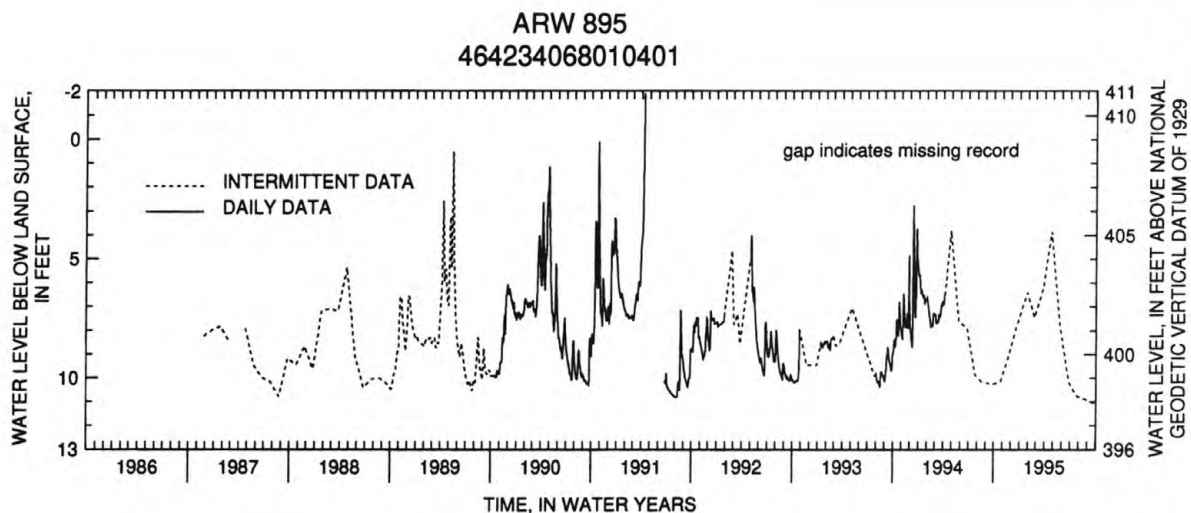
PERIOD OF RECORD --Nov. 1986 to current year.

REVISED RECORDS --WRD ME-93-1: 1992.

EXTREMES FOR PERIOD OF RECORD --Highest water level recorded, 1.92 ft above land-surface datum, Apr. 10, 1991; lowest recorded, 11.09 ft below land-surface datum, Sept. 28, 1995

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	10.16	DEC 21	7.85	FEB 24	7.46	APR 26	3.86	JUN 27	10.16	AUG 27	10.91
NOV 29	8.86	JAN 30	6.41	MAR 28	6.21	MAY 25	7.66	JUL 26	10.76	SEP 28	11.09
WATER YEAR 1995		HIGHEST	3.86	APR 26	LOWEST	11.09	SEP 28				



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--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 431 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.88 ft above land-surface datum.

PERIOD OF RECORD.--Nov. 1986 to current year.

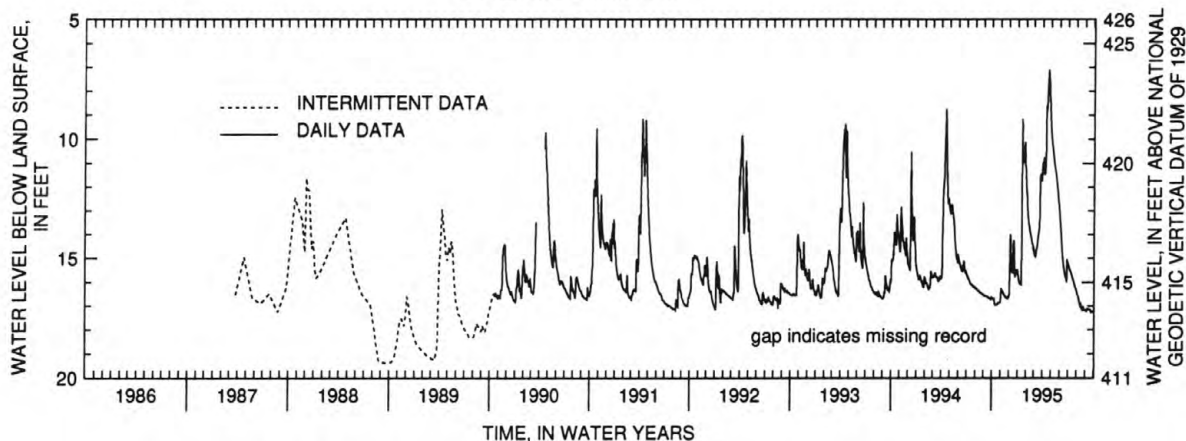
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 7.13 ft below land-surface datum, Apr. 22, 1995; lowest recorded, 19.38 ft below land-surface datum, Oct. 1-3, 1988.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.65	16.84	16.60	15.51	11.61	14.73	11.02	9.50	13.02	15.21	16.37	17.20
2	16.67	16.62	16.61	15.55	12.03	14.79	11.03	9.65	13.20	15.23	16.43	17.19
3	16.68	16.34	16.52	15.66	12.23	14.85	11.10	9.81	13.36	15.27	16.47	17.20
4	16.69	16.30	15.99	15.79	12.23	14.89	11.05	9.96	13.50	15.31	16.51	17.20
5	16.68	16.32	15.12	15.87	12.54	14.91	11.01	10.10	13.68	15.35	16.52	17.21
6	16.71	16.37	14.22	15.94	12.85	14.93	10.75	10.22	13.88	15.39	16.56	17.22
7	16.73	16.37	14.00	15.98	13.06	14.94	11.24	10.34	14.07	15.44	16.60	17.21
8	16.74	16.38	14.61	16.01	13.24	14.91	11.44	10.46	14.25	15.48	16.65	17.10
9	16.75	16.39	14.92	16.05	13.37	14.72	11.43	10.54	14.44	15.50	16.70	17.14
10	16.74	16.42	15.01	16.08	13.48	14.66	11.47	10.64	14.63	15.54	16.78	17.14
11	16.93	16.45	14.89	16.08	13.54	14.64	11.34	10.75	14.79	15.57	16.85	17.13
12	16.95	16.48	15.09	16.06	13.58	14.62	11.08	10.87	14.93	15.60	16.93	17.13
13	16.96	16.51	15.57	16.06	13.70	14.50	10.33	10.97	15.03	15.64	16.96	17.15
14	16.96	16.54	15.65	16.08	13.79	14.37	8.68	11.08	15.16	15.68	16.99	17.15
15	16.95	16.54	15.38	16.10	13.88	14.24	8.69	11.16	15.27	15.71	16.98	17.16
16	16.95	16.58	15.13	14.78	13.91	14.12	8.82	11.25	15.38	15.75	16.93	17.16
17	16.95	16.60	14.76	10.09	14.00	14.03	8.64	11.34	15.46	15.80	16.91	17.15
18	16.95	16.62	14.43	9.18	14.07	13.94	8.32	11.35	15.52	15.85	17.01	17.15
19	16.95	16.60	14.24	10.39	14.11	13.83	8.03	11.40	15.59	15.87	17.06	17.15
20	16.95	16.63	14.38	10.95	14.15	13.75	7.60	11.53	15.65	15.90	17.10	17.19
21	16.94	16.64	15.03	10.96	14.21	13.66	7.40	11.65	15.71	15.93	17.13	17.24
22	16.90	16.65	15.60	10.87	14.30	13.09	7.13	11.76	15.76	15.97	17.16	17.27
23	16.87	16.66	15.77	10.80	14.39	12.00	7.27	11.87	15.81	16.02	17.18	17.28
24	16.87	16.68	15.76	10.75	14.41	11.56	7.48	11.99	15.85	16.08	17.13	17.27
25	16.87	16.69	15.69	10.75	14.46	11.44	7.52	12.11	15.90	16.12	17.00	17.27
26	16.87	16.66	15.62	10.72	14.58	11.53	7.95	12.24	15.96	16.17	17.09	17.25
27	16.88	16.66	15.56	10.36	14.57	11.63	8.31	12.37	16.00	16.18	17.12	17.25
28	16.89	16.68	15.56	10.13	14.57	11.71	8.44	12.50	15.05	16.22	17.14	17.25
29	16.89	16.64	15.53	10.83	---	11.72	8.87	12.63	15.12	16.26	17.16	17.25
30	16.88	16.59	15.54	11.18	---	11.62	9.30	12.71	15.20	16.27	17.18	17.25
31	16.88	---	15.52	11.27	---	11.28	---	12.86	---	16.31	17.18	---
LOW	16.96	16.84	16.61	16.10	14.58	14.94	11.47	12.86	16.00	16.31	17.18	17.28
HIGH	16.65	16.30	14.00	9.18	11.61	11.28	7.13	9.50	13.02	15.21	16.37	17.10

WTR YR 1995 HIGH 7.13 APRIL 22 LOW 17.28 SEPT 23

**ARW 906
464259067572901**



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.--Monthly measurement with chalked steel tape by USGS personnel.

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.--Apr. 1958 to current year.

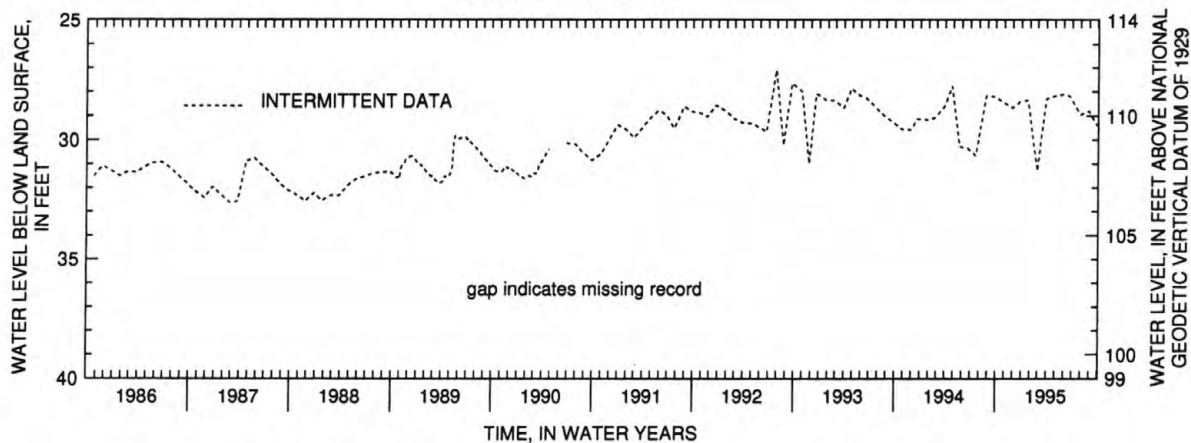
REVISED RECORDS.--WDR ME-82-1: 1978, 1981, WDR ME-83-1: 1977, WDR ME-84-1: 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25.95 ft below land-surface datum, June 09, 1984; lowest measured, 36.41 ft below land-surface datum, Feb. 10, 1966.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	28.47	DEC 29	28.40	FEB 27	31.30	APR 21	28.22	JUN 23	28.20	AUG 30	28.81
NOV 30	28.67	JAN 24	28.37	MAR 30	28.31	MAY 30	28.12	JUL 31	28.95	SEP 28	29.41
WATER YEAR 1995		HIGHEST	28.12	MAY 30	LOWEST	31.30	FEB 27				

CW 26
435453070013601



CUMBERLAND COUNTY--Continued

435902070171301 Local number, CW 1382

LOCATION.--Lat 43°59'02", long 70°17'13", Hydrologic Unit 01060001, about 1.6 mi north of New Gloucester.
Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored water-table observation well, diameter 2 in., depth 9 ft, screened depth 2 to 9 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 339 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.38 ft above land-surface datum.

REMARKS.--Records lost Apr. 27 to May 24 and July 20 to Aug 24 because of recorder malfunction.

PERIOD OF RECORD.--Nov. 1989 to current year.

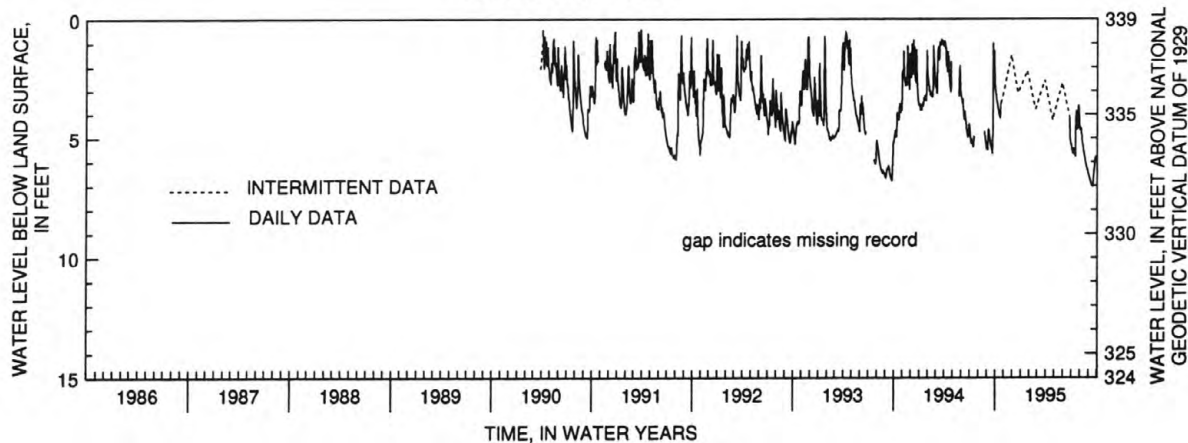
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.41 ft below land-surface datum, Mar. 28, 1991; lowest recorded, 7.05 ft below land-surface datum, Sept. 17, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.70	---	---	---	---	---	---	---	---	5.30	4.41	6.49
2	2.88	---	---	---	---	---	---	---	---	5.28	4.64	6.52
3	3.02	---	---	---	---	---	---	---	---	5.32	4.69	6.56
4	3.11	---	---	---	---	---	---	---	---	5.40	4.64	6.61
5	3.21	---	---	---	---	---	---	---	---	5.48	4.57	6.66
6	3.34	---	---	---	---	---	---	---	---	5.55	4.60	6.71
7	3.42	---	---	---	---	---	---	---	---	5.62	4.68	6.75
8	3.47	---	---	---	---	---	---	---	---	5.68	4.81	6.78
9	3.49	---	---	---	---	---	---	---	---	5.57	4.92	6.82
10	3.61	---	---	---	---	---	---	---	---	5.42	5.05	6.87
11	3.72	---	---	---	---	---	---	---	---	5.44	5.18	6.93
12	3.78	---	---	---	---	---	---	---	---	5.50	5.28	6.96
13	3.81	---	---	---	---	---	---	---	---	5.58	5.35	6.99
14	3.88	---	---	---	---	---	---	---	---	5.65	5.42	6.99
15	3.96	---	---	---	---	---	---	---	---	5.71	5.52	6.99
16	4.00	---	---	---	---	---	---	---	---	5.77	5.56	7.03
17	4.07	---	---	---	---	---	---	---	---	5.81	5.61	7.05
18	4.09	---	---	---	---	---	---	---	---	4.73	5.70	7.04
19	4.14	---	---	---	---	---	---	---	---	3.86	5.79	6.77
20	4.18	---	---	---	---	---	---	---	---	4.02	5.85	6.53
21	3.90	---	---	---	---	---	---	---	---	4.18	5.92	6.38
22	3.56	---	---	---	---	---	---	---	---	4.25	5.99	6.32
23	3.42	---	m3.11	---	m3.79	---	---	---	---	4.39	6.06	6.27
24	m3.55	---	---	---	---	---	---	---	---	4.49	6.10	6.10
25	---	---	---	m2.16	---	---	---	---	---	4.64	6.16	5.93
26	---	---	---	---	---	---	m4.26	---	---	4.44	6.22	5.84
27	---	---	---	---	---	---	---	---	m4.17	3.76	6.27	5.82
28	---	---	---	---	---	---	---	---	5.01	3.62	6.31	5.83
29	---	m1.49	---	---	---	m2.56	---	---	5.11	3.66	6.35	5.86
30	---	---	---	---	---	---	---	---	5.21	3.91	6.41	5.87
31	---	---	---	---	---	---	---	m2.68	---	4.20	6.45	---
LOW	---	---	---	---	---	---	---	---	---	5.81	6.45	7.05
HIGH	---	---	---	---	---	---	---	---	---	3.62	4.41	5.82

WTR YR 1995 HIGHEST 1.49 NOV 29 LOWEST 7.05 SEPT 17
m Measured

CW 1382
435902070171301



CUMBERLAND COUNTY--Continued

435653070201801 Local number, CW 1383

LOCATION.--Lat 43°56'53", long 70°20'18", Hydrologic Unit 01060001, about 3.0 mi southwest of New Gloucester. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored water-table observation well, diameter 2 in., screen slot size 0.010 in.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by USGS personnel.

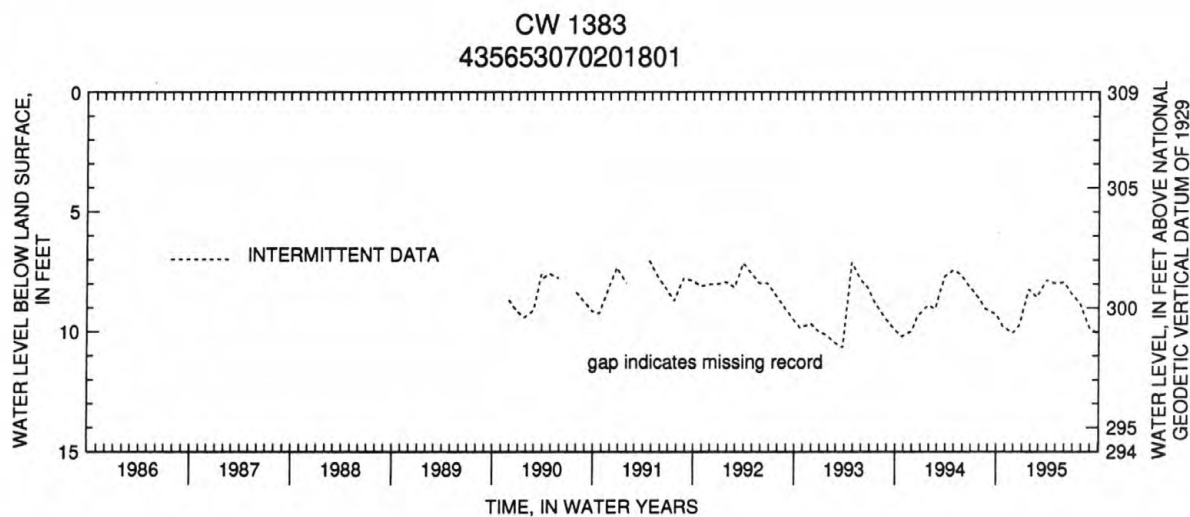
DATUM.--Elevation of land-surface datum is 309 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.93 ft above land-surface datum.

PERIOD OF RECORD.--Nov. 1989 to current year. Records prior to Nov. 1989 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, 7.03 ft below land-surface datum, Apr. 23, 1991; lowest measured, 10.65 ft below land-surface datum, Mar. 26, 1993.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.76	DEC 23	9.70	FEB 23	8.56	APR 26	7.97	JUN 27	8.40	AUG 30	9.83
NOV 29	10.05	JAN 25	8.23	MAR 29	7.84	MAY 31	7.94	JUL 28	8.82	SEP 28	10.06
WATER YEAR 1995		HIGHEST	7.84	MAR 29	LOWEST	10.06	SEP 28				



FRANKLIN COUNTY

451128070280301 Local number, FW 893

LOCATION.--Lat 45°11'28", long 70°28'03", Hydrologic Unit 01030002, approximately 150 ft northwest of the intersection of State Highway 27 and Eustis Hill Road, Eustis. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., Aug. 1985 measured depth 20 ft, screened depth 15 to 20 ft, screen slot size 0.008 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 1169 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: File mark on 6" casing inside of shelter, which is 3.20 ft above the general land surface.

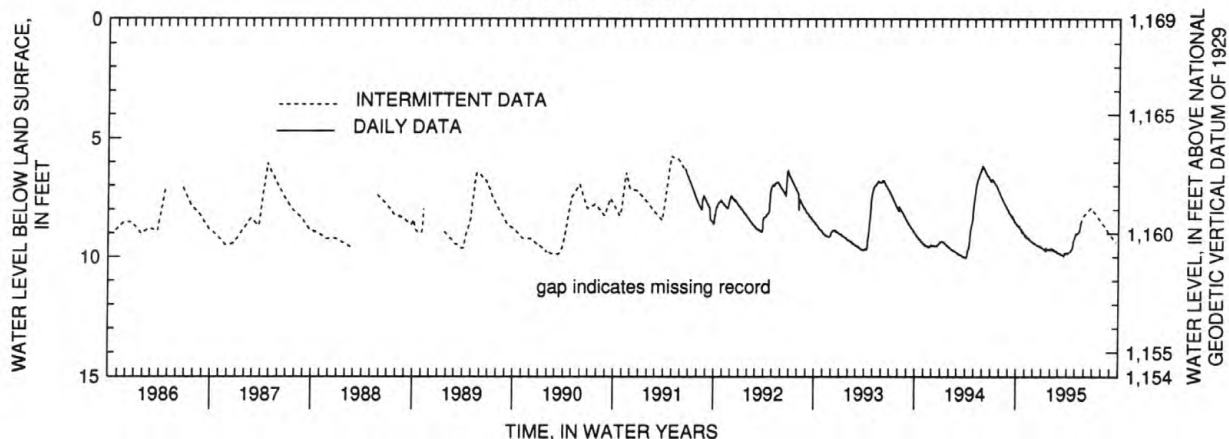
PERIOD OF RECORD.--Aug. 1985 to current year. Records prior to Oct. 1985 have not been published, but are available in the files of the U.S. Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.75 ft below land-surface datum, Apr. 29, 1991; lowest recorded, 10.03 ft below land-surface datum, Apr. 2, 1994.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.59	9.11	9.40	9.60	9.66	9.82	9.83	9.09	---	---	---	---
2	8.60	9.09	9.41	9.61	9.64	9.83	9.83	9.07	---	---	---	---
3	8.65	9.11	9.41	9.62	9.66	9.84	9.84	9.03	---	---	---	---
4	8.65	9.12	9.42	9.62	9.68	9.84	9.82	9.04	---	---	---	---
5	8.66	9.11	9.43	9.63	9.64	9.85	9.82	9.03	---	---	---	---
6	8.67	9.17	9.42	9.64	9.65	9.86	9.82	9.02	---	---	---	---
7	8.70	9.15	9.44	9.64	9.66	9.87	9.82	9.02	---	---	---	---
8	8.68	9.17	9.44	9.65	9.68	9.87	9.81	9.01	---	---	---	---
9	8.70	9.19	9.46	9.65	9.68	9.87	9.79	9.01	---	---	---	---
10	8.69	9.20	9.46	9.66	9.68	9.88	9.79	9.00	---	---	---	---
11	8.70	9.21	9.47	9.68	9.69	9.89	9.79	8.99	---	---	---	---
12	8.74	9.21	9.48	9.70	9.68	9.89	9.79	8.99	---	---	---	---
13	8.77	9.23	9.48	9.69	9.70	9.90	9.77	8.95	---	---	---	---
14	8.80	9.23	9.49	9.71	9.70	9.90	9.75	8.92	---	---	---	---
15	8.80	9.22	9.50	9.73	9.73	9.91	9.72	8.91	---	---	---	---
16	8.82	9.26	9.51	9.71	9.71	9.91	9.70	8.89	---	---	---	---
17	8.84	9.27	9.52	9.58	9.73	9.92	9.69	8.85	---	---	---	---
18	8.86	9.29	9.51	9.66	9.75	9.92	9.68	8.82	---	---	---	---
19	8.85	9.29	9.51	9.67	9.76	9.92	9.66	8.69	---	---	---	---
20	8.94	9.31	9.53	9.69	9.75	9.93	9.62	8.59	---	---	---	---
21	8.93	9.32	9.53	9.68	9.77	9.95	9.59	---	---	---	---	---
22	8.94	9.31	9.54	9.68	9.77	9.91	9.51	m8.53	---	---	---	---
23	8.93	9.33	9.54	9.68	9.79	9.86	9.43	---	---	---	---	---
24	8.93	9.34	9.55	9.68	9.77	9.87	9.36	---	---	---	---	m9.38
25	8.95	9.35	9.56	9.68	9.79	9.86	9.32	---	m7.93	---	---	---
26	8.98	9.36	9.57	9.67	9.80	9.85	9.28	---	---	---	---	---
27	9.01	9.37	9.58	9.66	9.81	9.83	9.25	---	---	---	---	---
28	9.03	9.37	9.58	9.66	9.82	9.84	9.20	---	---	---	m8.97	---
29	9.05	9.38	9.57	9.67	---	9.85	9.19	m8.30	---	m8.44	---	---
30	9.05	9.39	9.59	9.68	---	9.85	9.15	---	---	---	---	---
31	9.08	---	9.60	9.67	---	9.84	---	---	---	---	---	---
LOW	9.08	9.39	9.60	9.73	9.82	9.95	9.84	---	---	---	---	---
HIGH	8.59	9.09	9.40	9.58	9.64	9.82	9.15	---	---	---	---	---
WTR YR 1995	HIGHEST 7.93 JUNE 25 LOWEST 9.95 MAR 21											
m	Measured											

**FW 893
451128070280301**



FRANKLIN COUNTY--Continued

443831070002601 Local number, FW 901

LOCATION.--Lat 44°38'31", long 70°00'26", Hydrologic Unit 01030003, about 0.5 mi northeast of New Sharon.
 Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., Sept. 1987 measured depth 37 feet, screened 25 to 35 feet, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 307 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.13 ft above land-surface datum.

PERIOD OF RECORD.--Oct. 1987 to current year.

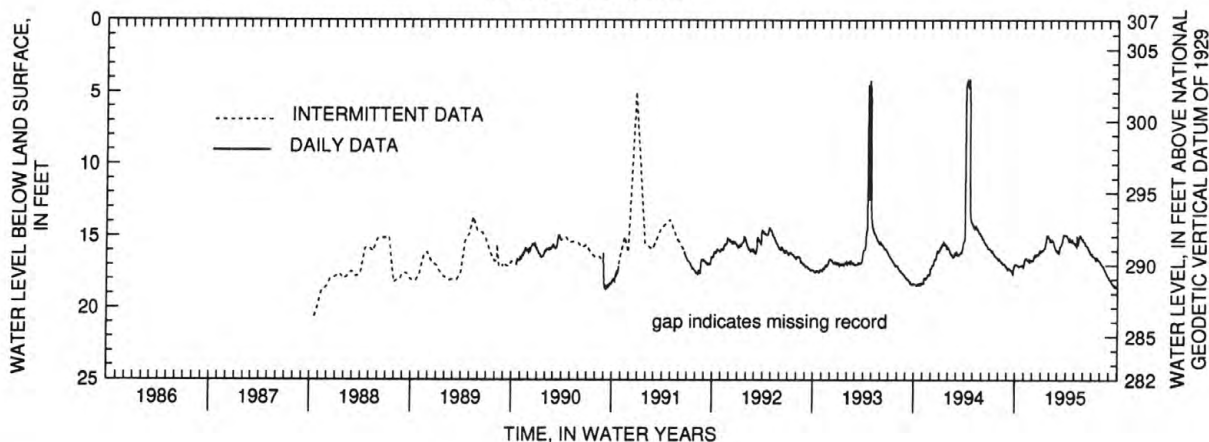
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.08 ft below land-surface datum, Apr. 17, 1994; lowest measured, 20.64 ft below land-surface datum, Oct. 18, 1987.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.93	17.08	16.70	16.04	15.16	15.98	14.93	15.47	15.23	16.26	16.76	17.85
2	16.93	16.95	16.69	16.01	15.24	15.99	14.93	15.47	15.29	16.24	16.80	17.89
3	16.93	16.75	16.69	16.02	15.35	16.05	14.97	15.49	15.35	16.20	16.86	17.95
4	16.95	16.67	16.70	16.03	15.40	16.12	14.98	15.55	15.37	16.24	16.89	18.00
5	16.95	16.63	16.71	16.03	15.28	16.15	14.96	15.58	15.37	16.32	16.89	18.03
6	16.97	16.61	16.56	16.02	15.31	16.15	15.04	15.59	15.39	16.36	16.91	18.06
7	17.01	16.53	16.42	15.95	15.33	16.16	15.10	15.62	15.41	16.37	16.98	18.07
8	17.01	16.54	16.38	15.92	15.34	16.14	15.14	15.65	15.43	16.39	17.01	18.09
9	17.01	16.52	16.40	15.92	15.31	15.96	15.16	15.70	15.53	16.39	17.02	18.12
10	17.00	16.52	16.38	15.95	15.29	15.78	15.21	15.40	15.61	16.39	17.04	18.13
11	17.04	16.55	16.31	15.95	15.27	15.68	15.31	14.96	15.63	16.42	17.06	18.20
12	17.10	16.59	16.33	15.89	15.29	15.66	15.34	15.60	15.63	16.46	17.08	18.26
13	17.11	16.60	16.38	15.80	15.32	15.66	15.26	15.55	15.64	16.47	17.10	18.27
14	17.08	16.62	16.34	15.78	15.34	15.64	15.18	15.50	15.66	16.48	17.17	18.26
15	17.10	16.61	16.30	15.81	15.38	15.59	15.16	15.52	15.68	16.51	17.23	18.31
16	17.08	16.65	16.31	15.80	15.40	15.55	15.19	15.40	15.69	16.58	17.26	18.37
17	17.08	16.71	16.30	15.63	15.53	15.51	15.24	15.30	15.71	16.62	17.29	18.38
18	17.08	16.72	16.27	15.51	15.62	15.46	15.30	15.19	15.74	16.57	17.32	18.37
19	17.08	16.65	16.25	15.43	15.70	15.39	15.33	15.10	15.74	16.46	17.37	18.41
20	17.08	16.69	16.27	15.39	15.73	15.29	15.31	15.00	15.77	16.45	17.43	18.47
21	17.08	16.75	16.29	15.26	15.76	15.16	15.34	14.95	15.87	16.48	17.44	18.49
22	17.06	16.64	16.29	15.04	15.81	15.03	15.29	14.96	15.93	16.53	17.47	18.51
23	17.01	16.60	16.29	14.94	15.90	14.90	15.26	14.98	15.96	16.57	17.54	18.45
24	16.99	16.61	16.27	14.93	15.90	14.86	15.28	14.99	15.99	16.58	17.57	18.51
25	16.99	16.63	16.17	14.95	15.92	14.87	15.32	15.02	16.05	16.61	17.61	18.49
26	17.02	16.66	16.11	14.95	15.98	14.90	15.38	15.10	16.09	16.63	17.67	18.47
27	17.06	16.72	16.11	14.95	16.07	14.93	15.41	15.15	16.16	16.64	17.72	18.47
28	17.08	16.71	16.07	15.02	16.00	14.94	15.43	15.20	16.20	16.69	17.76	18.50
29	17.10	16.65	16.01	15.08	---	14.95	15.44	15.21	16.21	16.71	17.80	18.60
30	17.11	16.67	16.06	15.11	---	14.95	15.44	15.18	16.23	16.71	17.82	18.63
31	17.13	---	16.09	15.11	---	14.93	---	15.19	---	16.73	17.85	---
LOW	17.13	17.08	16.71	16.04	16.07	16.16	15.44	15.70	16.23	16.73	17.85	18.63
HIGH	16.93	16.52	16.01	14.93	15.16	14.86	14.93	14.95	15.23	16.20	16.76	17.85

WTR YR 1995 HIGH 14.86 MAR 24 LOW 18.63 SEPT 30

FW 901
 443831070002601



FRANKLIN COUNTY--Continued

450539070301301 Local number, FW 908

LOCATION.--Lat 45°05'39", long 70°30'13", Hydrologic Unit 01030002, about 4.3 mi southwest of Stratton. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored water-table observation well, diameter 2 in., depth 22 ft, screened depth 11.8 to 21.8 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 1,338 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.66 ft above land-surface datum.

REMARKS.--Records lost Nov. 4 to Apr. 12 because of recorder malfunction.

PERIOD OF RECORD.--Sept. 1989 to current year. Records for Nov. 7, 1991 to June 29, 1992 and Aug. 29, 1992 to Nov. 19, 1992, published in WRD ME-92-1 and WDR ME-93-1, are unreliable and should not be used.

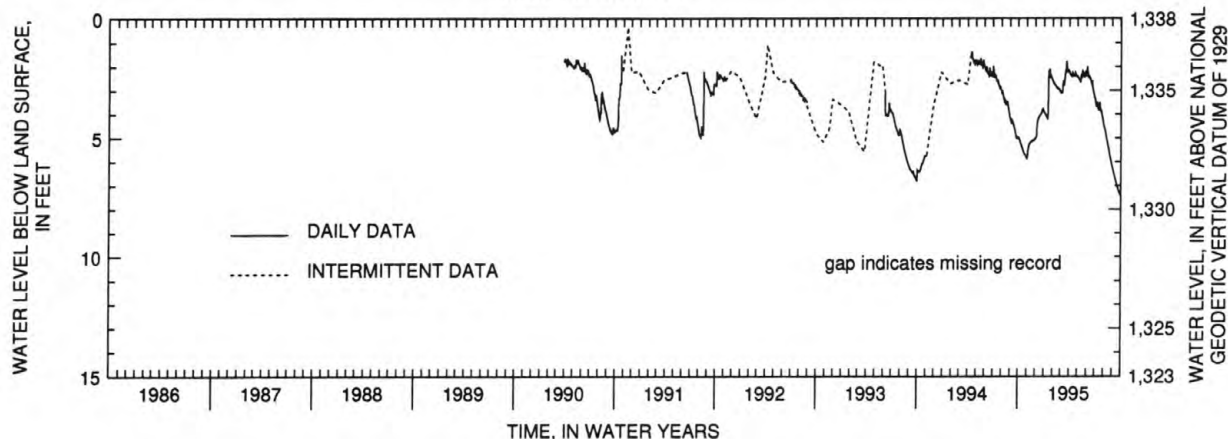
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.34 ft below land-surface datum, Nov. 16, 1990; lowest recorded, 7.41 ft below land-surface datum, Sept. 30, 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.98	5.87	5.00	3.92	2.59	3.06	2.21	2.43	2.38	3.29	4.38	6.18
2	5.00	5.79	4.99	3.93	2.64	3.11	2.26	2.45	2.43	3.32	4.45	6.24
3	5.02	5.58	4.98	3.97	2.68	3.11	2.30	2.48	2.28	3.42	4.53	6.29
4	5.06	5.47	4.96	3.98	2.66	3.12	2.29	2.51	1.99	3.51	4.57	6.36
5	5.10	5.41	4.92	4.00	2.67	3.13	2.33	2.52	2.19	3.60	4.59	6.39
6	5.12	5.37	4.58	4.02	2.72	3.12	2.36	2.54	2.28	3.67	4.65	6.44
7	5.16	5.33	4.36	4.04	2.76	3.14	2.37	2.55	2.34	3.71	4.68	6.49
8	5.21	5.30	4.30	4.09	2.76	2.97	2.38	2.59	2.40	3.52	4.73	6.53
9	5.24	5.25	4.26	4.11	2.78	2.61	2.38	2.61	2.44	3.49	4.81	6.59
10	5.27	5.24	4.23	4.14	2.80	2.74	2.43	2.63	2.48	3.56	4.87	6.63
11	5.33	5.22	4.18	4.16	2.79	2.78	2.43	2.64	2.48	3.64	4.95	6.67
12	5.36	5.20	4.18	4.16	2.82	2.79	2.41	2.53	2.42	3.68	5.02	6.72
13	5.39	5.19	4.15	4.19	2.83	2.76	2.28	2.34	2.46	3.76	5.07	6.76
14	5.42	5.17	4.11	4.14	2.88	2.72	2.31	2.44	2.52	3.83	5.12	6.80
15	5.46	5.17	4.08	3.83	2.87	2.62	2.34	2.45	2.52	3.83	5.20	6.85
16	5.49	5.17	4.06	2.67	2.88	2.44	2.38	2.24	2.57	3.87	5.24	6.89
17	5.53	5.15	4.04	2.17	2.92	2.34	2.41	2.30	2.61	3.77	5.31	6.93
18	5.57	5.15	4.02	2.43	2.93	2.28	2.41	2.14	2.64	3.52	5.37	6.98
19	5.61	5.13	4.01	2.49	2.91	2.19	2.39	2.29	2.69	3.55	5.42	7.02
20	5.63	5.15	4.01	2.49	2.91	2.12	2.41	2.37	2.76	3.67	5.48	7.05
21	5.66	5.14	3.99	2.10	2.92	1.99	2.39	2.39	2.79	3.75	5.55	7.10
22	5.67	5.10	3.95	2.26	2.96	1.78	2.26	2.29	2.59	3.84	5.61	7.14
23	5.70	5.09	3.93	2.34	2.96	1.98	2.29	2.35	2.89	3.92	5.69	7.18
24	5.71	5.08	3.89	2.36	2.95	2.09	2.33	2.39	2.93	3.84	5.75	7.21
25	5.72	5.07	3.82	2.38	3.00	2.16	2.39	2.43	2.99	3.93	5.81	7.24
26	5.74	5.08	3.80	2.39	3.04	2.23	2.41	2.46	3.05	4.01	5.86	7.28
27	5.77	5.10	3.79	2.43	3.03	2.23	2.42	2.27	3.12	4.06	5.92	7.30
28	5.80	5.09	3.78	2.47	3.04	2.20	2.42	2.30	3.17	4.12	5.98	7.33
29	5.82	5.06	3.81	2.52	---	2.17	2.41	2.26	3.24	4.16	6.03	7.38
30	5.84	5.04	3.88	2.54	---	2.18	2.41	2.17	3.31	4.22	6.09	7.41
31	5.86	---	3.91	2.58	---	2.18	---	2.28	---	4.30	6.13	---
LOW	5.86	5.87	5.00	4.19	3.04	3.14	2.43	2.64	3.31	4.30	6.13	7.41
HIGH	4.98	5.04	3.78	2.10	2.59	1.78	2.21	2.14	1.99	3.29	4.38	6.18

WTR YR 1995 HIGH 1.78 MAR 22 LOW 7.41 SEPT 30

**FW 908
450539070301301**



HANCOCK COUNTY

444950068220602 Local number, HW 1A

LOCATION.--Lat 44°49'55", long 68°21'59", Hydrologic Unit 01050002, on State Highway 9, 0.25 mi west of the intersection with State Highway 181 in Amherst. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 47 ft, screened depth 37 ft to 47 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 344 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.49 ft above land-surface datum.

PERIOD OF RECORD.--Nov. 1989 to current year.

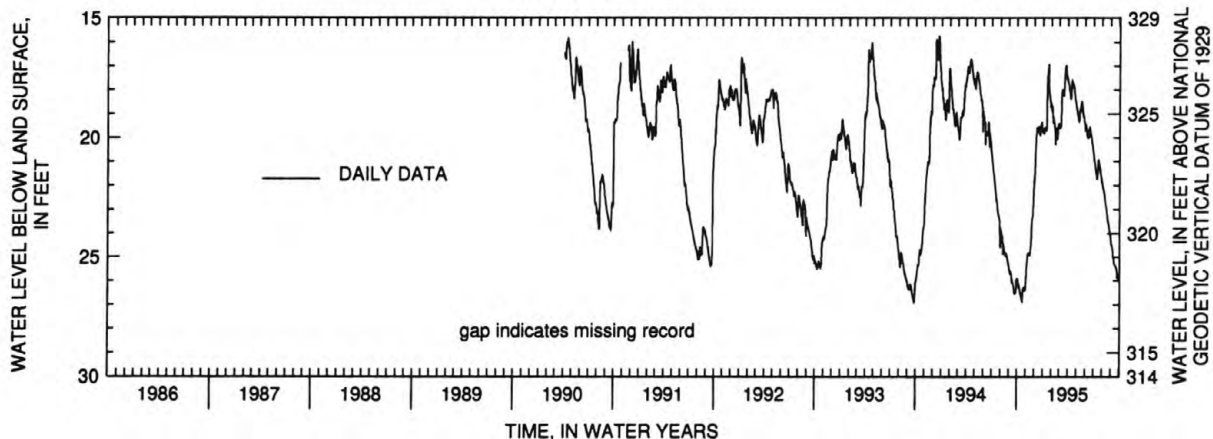
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.74 ft below land-surface datum, Dec. 23, 1993; lowest recorded, 26.92 ft below land-surface datum, Sept. 25, 26, 1993.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.92	26.36	22.08	19.68	18.59	19.41	17.63	18.63	19.48	20.59	21.90	24.16
2	25.93	26.13	21.81	19.78	18.82	19.50	17.65	18.68	19.74	20.67	21.86	24.28
3	25.98	25.82	21.83	19.78	18.94	19.55	17.77	18.83	19.58	20.78	21.97	24.45
4	25.97	25.53	21.58	19.71	18.85	19.60	17.74	18.88	19.44	20.89	22.10	24.47
5	26.07	25.38	21.41	19.82	18.70	19.59	17.89	18.99	19.48	20.97	22.10	24.48
6	26.12	25.25	20.93	19.85	19.02	19.50	17.99	19.00	19.61	21.04	22.16	24.55
7	26.15	25.16	20.43	19.74	19.41	19.56	18.09	18.97	19.63	21.15	22.20	24.62
8	26.25	24.98	20.20	19.60	19.12	19.42	18.08	19.24	19.79	21.25	22.22	24.69
9	26.22	24.90	19.98	19.57	19.24	18.34	18.11	19.23	19.91	21.31	22.28	24.75
10	26.31	24.87	19.81	19.60	19.41	18.22	18.31	19.29	19.97	21.43	22.40	25.09
11	26.36	24.90	19.57	19.67	19.35	18.03	18.41	19.34	20.00	21.49	22.48	---
12	26.44	24.88	19.77	19.59	19.46	18.04	18.36	19.31	20.03	21.58	22.60	25.06
13	26.50	24.88	19.74	19.60	19.55	18.16	18.10	18.99	19.98	21.62	22.72	25.08
14	26.58	24.95	19.66	19.72	19.68	18.15	17.73	18.84	19.99	21.76	22.78	25.32
15	26.62	24.87	19.66	19.58	19.85	18.17	17.64	18.85	19.97	21.70	22.83	---
16	26.65	24.88	19.70	18.60	20.31	18.16	17.62	18.89	19.69	21.47	22.87	25.36
17	26.71	24.90	19.61	17.82	19.74	18.13	17.67	18.88	19.60	21.49	22.98	25.37
18	26.76	24.85	19.53	17.46	19.71	18.28	17.70	18.67	19.54	21.26	23.08	25.35
19	26.82	24.68	19.67	17.38	19.84	17.84	17.74	18.56	19.59	20.95	23.21	25.37
20	26.87	24.47	19.77	17.46	19.64	17.62	17.79	18.49	19.71	20.94	23.22	25.40
21	26.88	24.37	19.75	17.14	19.60	17.41	17.85	18.53	19.81	20.99	23.46	25.47
22	26.58	24.06	19.92	16.91	19.68	17.05	17.78	18.60	19.87	21.10	23.43	25.51
23	26.38	23.71	19.89	17.83	20.08	17.01	17.89	18.69	19.92	21.33	23.50	25.56
24	26.33	23.43	19.76	18.10	19.62	17.27	18.05	18.86	19.96	21.16	23.54	25.63
25	26.28	23.38	19.48	18.15	19.52	16.97	18.14	19.08	20.02	21.24	23.66	25.91
26	26.28	23.31	19.63	18.21	19.54	17.10	18.26	19.07	20.16	21.31	23.72	25.72
27	26.27	23.29	19.54	18.31	19.48	17.26	18.38	19.06	20.25	21.47	23.78	25.78
28	26.31	23.03	19.36	18.43	19.44	17.36	18.45	19.11	20.30	21.55	23.89	25.82
29	26.39	22.66	19.36	18.52	---	17.47	18.50	19.15	20.39	21.62	23.95	25.89
30	26.38	22.31	19.59	18.75	---	17.59	18.57	19.32	20.52	21.66	24.02	25.95
31	26.39	---	19.63	18.58	---	17.51	---	19.34	---	21.80	24.09	---
LOW	26.88	26.36	22.08	19.85	20.31	19.60	18.57	19.34	20.52	21.80	24.09	---
HIGH	25.92	22.31	19.36	16.91	18.59	16.97	17.62	18.49	19.44	20.59	21.86	---

WTR YR 1995 HIGH 16.91 JAN 22 LOW 26.88 OCT 21

**HW 1A
444950068220602**



HANCOCK COUNTY--Continued

441440068182701 Local number, HW 137

LOCATION.--Lat 44°14'40", long 68°18'27", Hydrologic Unit 01050002, Seawall Campground of Acadia National Park, 1.3 mi south of Southwest Harbor. Owner: National Park Service.

AQUIFER.--Bedrock of Devonian age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in., depth 175 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 40 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 1.3 ft above land-surface datum.

PERIOD OF RECORD.--June 1981 to current year. Water levels prior to Oct. 1981 have not been published but are available in the files of the U.S. Geological Survey.

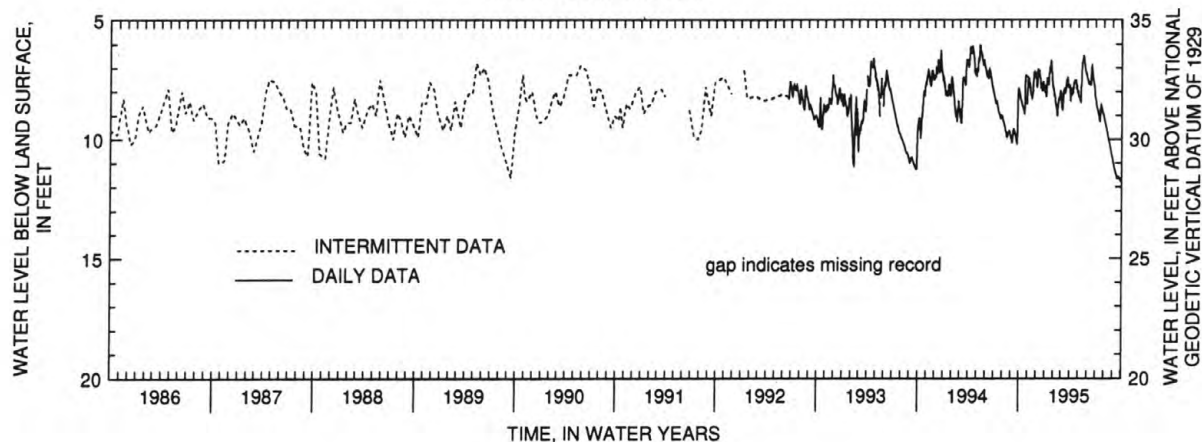
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.02 ft below land-surface datum, May 12, 1994; lowest measured, 14.90 ft below land-surface datum, Oct. 25, 1984.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.95	7.77	7.42	8.04	7.91	8.31	7.77	7.96	7.38	8.27	9.06	10.84
2	8.01	7.40	7.44	7.92	7.95	8.69	8.37	8.26	7.46	8.33	9.14	10.93
3	8.08	7.42	7.83	7.71	8.21	8.63	8.38	8.20	7.50	8.41	9.22	11.01
4	8.14	7.45	7.82	8.04	8.15	8.73	8.02	8.23	7.53	8.51	9.24	11.07
5	8.19	7.45	7.71	8.22	8.07	8.79	7.86	8.24	7.58	8.58	9.27	11.12
6	8.27	7.63	7.09	8.18	8.19	8.66	7.89	8.29	7.65	8.64	9.34	11.17
7	8.35	7.72	7.04	8.03	8.42	8.39	7.89	8.39	7.69	8.68	9.41	11.21
8	8.37	7.69	7.15	7.50	8.57	8.29	8.16	8.43	7.63	8.72	9.46	11.26
9	8.39	7.76	7.21	7.40	8.48	8.01	8.01	8.31	7.62	8.76	9.50	11.30
10	8.43	7.82	7.32	7.48	8.60	7.97	7.97	8.47	7.66	8.84	9.56	11.34
11	8.53	8.03	7.22	7.55	8.66	7.98	8.06	7.79	7.70	8.90	9.62	11.42
12	8.59	8.15	7.08	7.72	8.71	7.85	8.05	7.60	7.71	8.97	9.67	11.46
13	8.60	8.08	7.23	7.61	8.85	7.88	7.91	7.19	7.73	9.01	9.73	11.48
14	8.64	8.08	7.44	7.74	9.01	8.05	7.62	6.79	7.75	9.05	9.82	11.51
15	8.69	8.14	7.40	7.55	9.04	8.09	7.66	6.71	7.67	9.11	9.89	11.59
16	8.72	8.27	7.46	7.26	8.71	8.03	7.55	6.75	7.17	9.20	9.92	11.64
17	8.78	8.25	7.79	7.15	8.55	7.92	7.54	6.77	6.92	9.26	9.97	11.64
18	8.82	8.15	7.88	7.01	8.46	7.81	7.61	6.61	6.90	9.15	10.04	11.63
19	8.86	8.01	7.75	6.91	8.38	7.56	7.55	6.47	6.96	8.74	10.12	11.62
20	8.90	7.65	7.74	7.07	8.31	7.48	7.55	6.50	7.09	8.58	10.16	11.57
21	8.95	7.50	7.81	6.94	8.24	7.57	7.52	6.62	7.27	8.55	10.19	11.57
22	7.77	7.16	8.00	6.66	8.27	7.52	7.52	6.71	7.42	8.59	10.26	11.59
23	7.40	7.35	7.93	6.71	8.28	7.38	7.66	6.83	7.46	8.63	10.34	11.61
24	7.35	7.17	7.95	6.91	8.14	7.43	7.91	6.90	7.54	8.67	10.37	11.65
25	7.28	7.14	7.66	7.14	7.99	7.64	7.77	7.00	7.62	8.76	10.45	11.64
26	7.38	7.21	7.56	7.14	7.96	7.81	7.76	7.09	7.73	8.81	10.53	11.64
27	---	7.30	7.79	7.29	8.01	7.82	7.90	7.15	7.83	8.85	10.58	11.65
28	---	7.23	7.87	7.63	8.09	7.68	8.04	7.23	7.71	8.92	10.65	11.70
29	8.53	7.25	7.88	7.76	---	7.81	8.03	7.25	8.12	8.93	10.70	11.76
30	8.21	7.45	7.84	7.79	---	7.75	8.00	7.23	8.21	8.94	10.74	11.76
31	8.03	---	7.95	7.85	---	7.79	---	7.31	---	9.00	10.81	---
LOW	---	8.27	8.00	8.22	9.04	8.79	8.38	8.47	8.21	9.26	10.81	11.76
HIGH	---	7.14	7.04	6.66	7.91	7.38	7.52	6.47	6.90	8.27	9.06	10.84

WTR YR 1995 HIGH 6.47 MAY 19 LOW 11.76 SEPT 29,30

**HW 137
441440068182701**



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.--Monthly measurement with chalked steel tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of shelter house floor, 0.07 ft below land-surface datum.

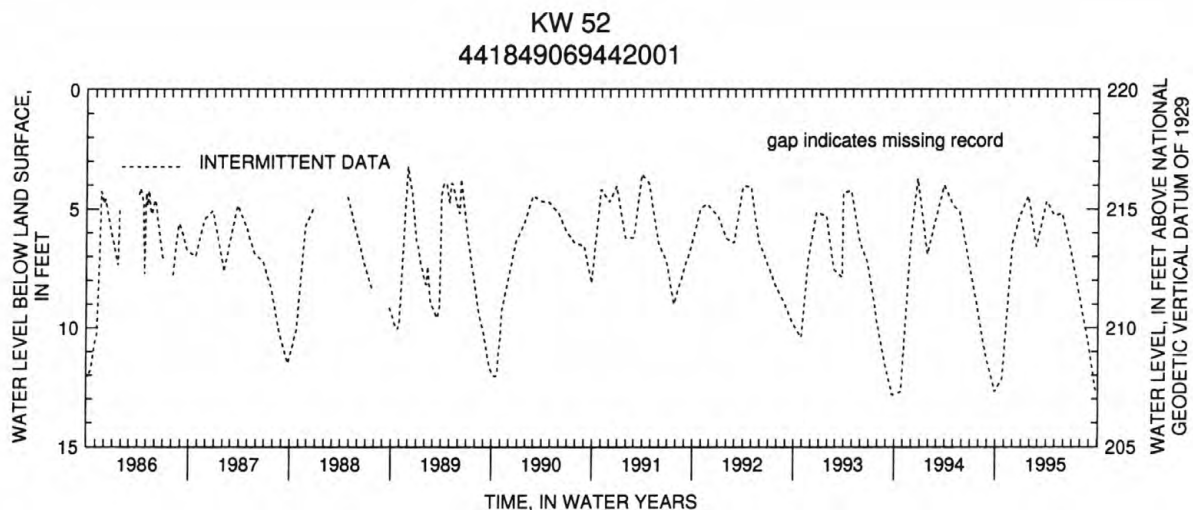
PERIOD OF RECORD.--Dec. 1960 to current year.

REVISED RECORDS.--WDR ME-82-1: 1978, 1979, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.91 ft below land-surface datum, May 12, 1989; lowest measured, 15.61 ft below land-surface datum, Nov. 28-30, 1978

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	12.14	DEC 23	5.36	FEB 23	6.59	APR 28	5.28	JUN 30	6.93	AUG 29	10.62
NOV 29	6.47	JAN 25	4.45	MAR 31	4.67	MAY 26	5.18	JUL 28	8.66	SEP 26	12.73
WATER YEAR 1995		HIGHEST	4.45	JAN 25	LOWEST	12.73	SEP 26				



GROUND-WATER RECORDS

KENNEBEC COUNTY--Continued

440918069564001 Local number, KW 766

LOCATION.--Lat 44°09'18", long 69°56'40", Hydrologic Unit 01030003, 690 ft northeast of the intersection of Hallowell Neck Road, Libby Road, and Plains Road, Litchfield. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (ice-contact deposits) of Pleistocene age.

WELL CHARACTERISTICS.--Drilled unconfined observation well, diameter 6 in., depth 62 ft, cased to 59 ft, open end.

INSTRUMENTATION.--Monthly measurement with chalked steel tape by USGS personnel.

DATUM.--Elevation of land-surface datum is 300 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Floor of recorder shelter, at land-surface datum, which is 2.7 ft above the general land surface.

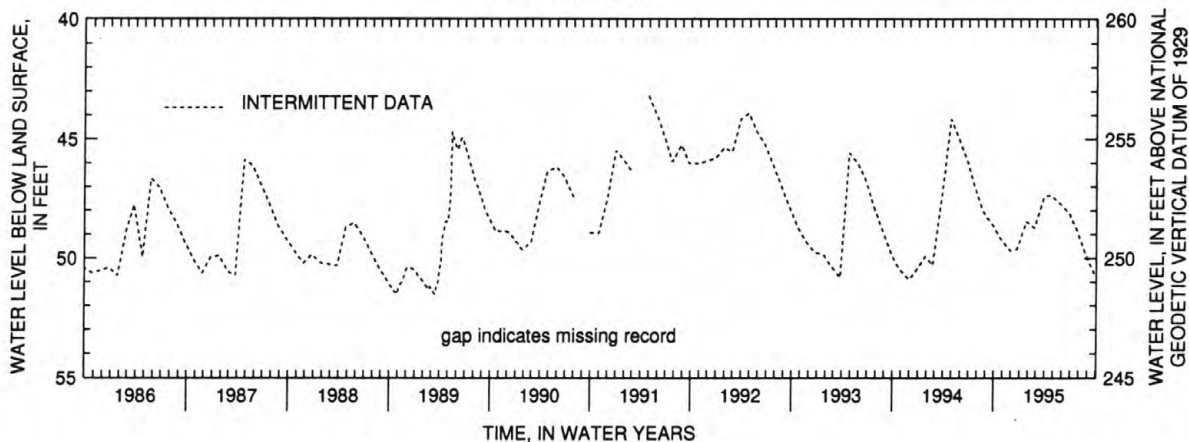
PERIOD OF RECORD.--June 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.76 ft below land-surface datum, June 2, 1984; lowest measured, 51.57 ft below land-surface datum, Mar. 15, 1989.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	49.18	DEC 23	49.63	FEB 23	48.75	APR 21	47.36	JUN 30	48.17	AUG 30	49.98
NOV 29	49.70	JAN 25	48.47	MAR 30	47.42	MAY 26	47.72	JUL 28	48.93	SEP 28	50.72
WATER YEAR 1995		HIGHEST	47.36	APR 21	LOWEST	50.72	SEPT 28				

**KW 766
440918069564001**



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.--Monthly measurement with chalked steel tape by USGS personnel.

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.

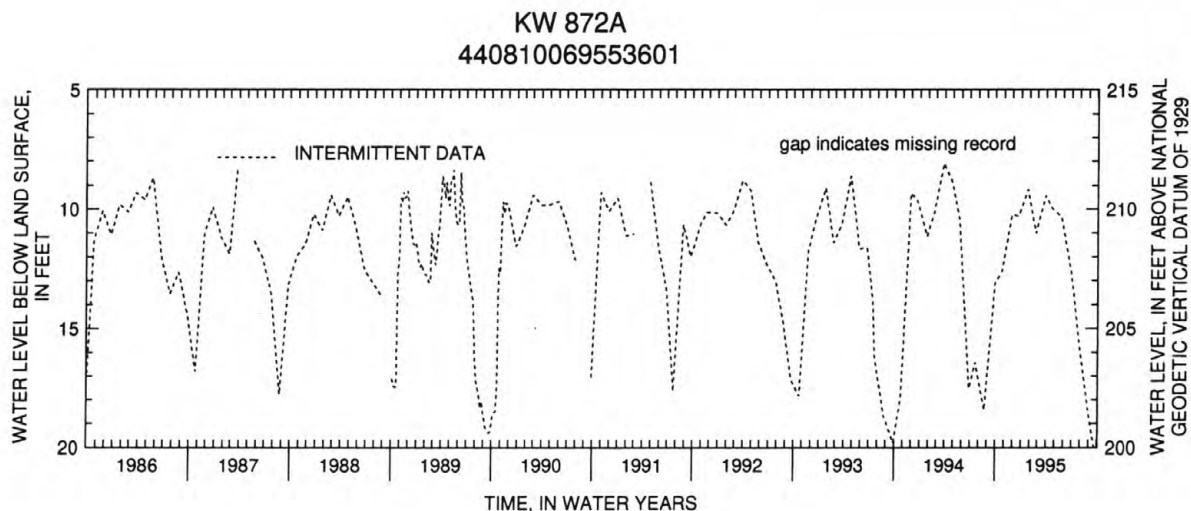
PERIOD OF RECORD.--Nov. 1978 to current year.

REVISED RECORDS.--WDR ME-82-1: 1980, WDR ME-84-1: 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.47 ft below land-surface datum, May 12, 1989; lowest measured, 20.50 ft below land-surface datum, Sept. 28, 1995.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	12.66	DEC 23	10.30	FEB 23	11.03	APR 21	9.97	JUN 30	12.63	AUG 30	18.50
NOV 29	10.24	JAN 25	9.18	MAR 30	9.43	MAY 26	10.36	JUL 28	15.57	SEP 28	20.50
WATER YEAR 1995		HIGHEST	9.18	JAN 25	LOWEST	20.50	SEPT 28				



KENNEBEC COUNTY--Continued

441533069452401 Local number, KW 881

LOCATION.--Lat 44°18'02", long 69°45'22", Hydrologic Unit 01030003, on unimproved road, about 0.5 mi east of State Highway 9, in Augusta. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 20 ft, screened depth 10 to 20 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 210 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of pipe, at land-surface datum, which is 3.05 ft above the general land surface.

PERIOD OF RECORD.--Oct. 1987 to current year.

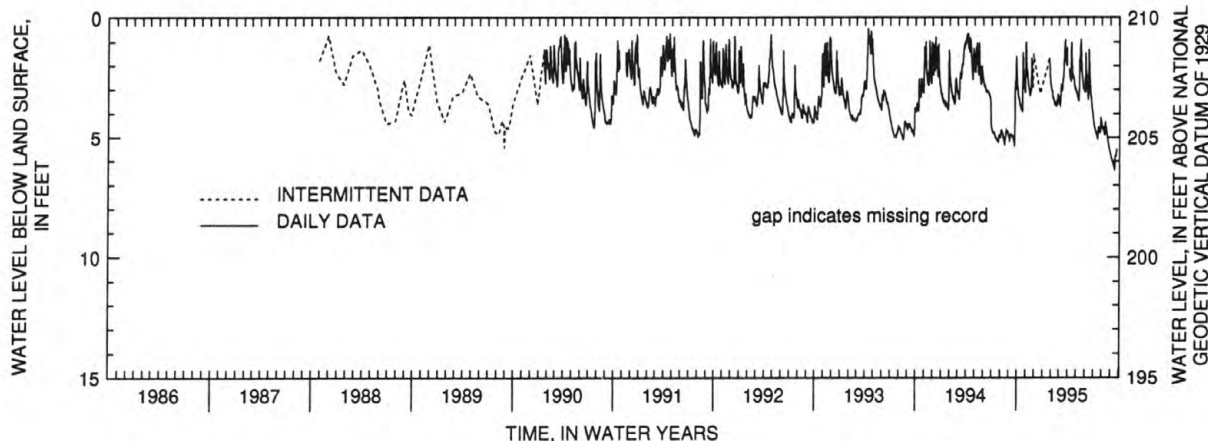
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.49 ft below land-surface datum, Apr. 12, 1993; lowest recorded, 6.34 ft below land-surface datum, Sept. 16, 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.40	2.22	---	---	2.89	3.43	---	3.03	3.06	4.14	4.42	5.67
2	2.67	1.00	---	---	2.99	3.52	---	3.07	3.14	4.23	4.52	5.74
3	2.85	1.36	---	---	3.08	3.60	---	3.13	3.06	4.34	4.59	5.79
4	3.00	1.85	---	---	3.05	3.63	---	3.19	1.46	4.43	4.58	5.86
5	3.11	2.14	---	---	3.07	3.66	---	3.20	2.01	4.51	4.58	5.90
6	3.24	2.28	---	---	3.26	3.47	m2.12	3.25	2.35	4.56	4.63	5.93
7	3.33	2.20	---	---	3.33	3.38	2.34	3.31	2.52	4.62	4.67	5.98
8	3.37	2.36	---	---	3.35	3.17	2.48	3.38	2.65	4.67	4.71	6.02
9	3.39	2.50	---	---	3.40	2.78	2.47	3.44	2.85	4.72	4.77	6.04
10	3.48	2.65	---	---	3.46	2.86	2.53	3.48	2.96	4.78	4.81	6.07
11	3.59	2.81	---	---	3.46	2.97	2.61	3.50	3.05	4.83	4.88	6.14
12	3.64	2.90	---	---	3.52	3.01	2.63	3.19	3.09	4.86	4.87	6.17
13	3.65	2.98	---	---	3.58	2.97	1.40	1.74	3.47	4.88	4.32	6.19
14	3.70	3.05	---	---	3.64	2.80	1.02	1.78	3.13	4.90	4.41	6.22
15	3.76	3.07	---	---	3.64	2.65	1.38	2.21	2.06	4.94	4.52	6.30
16	3.77	3.19	---	---	3.56	2.58	1.80	1.14	1.31	5.02	4.56	6.34
17	3.82	3.23	---	---	3.64	2.44	2.10	1.30	1.92	5.04	4.63	6.29
18	3.84	3.21	---	---	3.67	2.10	2.29	.90	2.23	4.80	4.71	5.82
19	3.87	3.01	---	---	3.61	1.66	2.41	1.29	2.42	4.55	4.80	5.77
20	3.89	3.10	---	---	3.56	1.56	2.47	1.75	2.69	4.62	4.86	5.74
21	3.72	3.09	---	---	3.54	1.41	2.59	2.19	2.94	4.66	4.94	5.76
22	1.44	1.69	---	---	3.64	.91	2.46	2.29	3.09	4.70	5.04	5.76
23	1.82	1.93	m3.19	---	3.64	1.16	2.51	2.45	3.23	4.72	5.15	5.53
24	2.29	2.36	---	---	3.38	1.30	2.64	2.56	3.36	4.73	5.21	5.49
25	2.58	2.57	---	m1.70	3.19	1.48	2.75	2.73	3.50	4.79	5.31	---
26	2.71	2.77	---	1.92	3.31	1.75	2.88	2.87	3.65	4.79	5.37	m5.42
27	2.83	2.93	---	2.17	3.35	1.88	2.96	2.94	3.80	4.77	5.43	---
28	2.93	---	---	2.40	3.35	1.92	3.00	3.02	3.86	4.20	5.49	---
29	3.01	m1.51	---	2.61	---	2.01	2.96	2.98	3.95	4.21	5.55	---
30	3.08	---	---	2.70	---	m1.25	3.01	2.88	4.04	4.26	5.60	---
31	3.15	---	---	2.80	---	---	---	2.96	---	4.35	5.63	---
LOW	3.89	---	---	---	3.67	---	---	3.50	4.04	5.04	5.63	---
HIGH	1.44	---	---	---	2.89	---	---	.90	1.31	4.14	4.32	---

WTR YR 1995 HIGHEST 0.90 MAY 18 LOWEST 6.34 SEPT 16
m Measured

KW 881
441533069452401



KENNEBEC COUNTY--Continued

442233069490701 Local number, KW 882

LOCATION.--Lat 44°22'33", long 69°49'07", Hydrologic Unit 01030003, about 4.5 mi northwest of Augusta.
 Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 16 ft, screened depth 11 to 16 ft, screen slot size 0.010 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 208 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.03 ft above land-surface datum

REMARKS.--Records lost Nov 21 to Dec 7 because of recorder malfunction.

PERIOD OF RECORD.--November 1989 to current year.

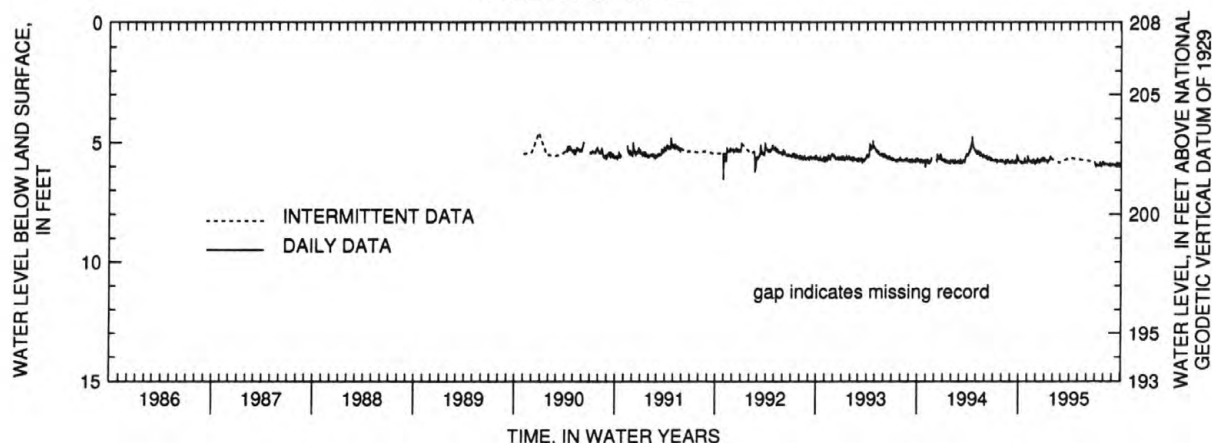
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.60 ft below land-surface datum, Dec. 27, 1989; lowest recorded, 6.56 ft below land-surface datum, Oct. 29, 1991.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
 DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.77	5.73	5.84	5.74	---	---	---	---	---	5.92	5.89	5.90
2	5.78	5.56	5.81	5.72	---	---	---	---	---	5.93	5.91	5.94
3	5.79	5.68	5.84	5.77	---	---	---	---	---	5.96	5.92	5.94
4	5.80	5.73	5.83	5.75	---	---	---	---	---	6.00	5.87	5.95
5	5.81	5.74	5.76	5.77	---	---	---	---	---	6.00	5.87	5.94
6	5.83	5.74	5.68	5.77	---	---	---	---	---	5.98	5.88	5.95
7	5.84	5.74	5.68	5.72	---	---	---	---	---	5.98	5.93	5.92
8	5.83	5.78	5.74	5.78	---	---	---	---	---	5.96	5.92	5.93
9	5.81	5.79	5.78	5.79	---	---	---	---	---	5.95	5.91	5.92
10	5.83	5.81	5.76	5.82	---	---	---	---	---	5.97	5.91	5.93
11	5.87	5.83	5.72	5.83	---	---	---	---	---	5.97	5.91	5.94
12	5.87	5.83	5.81	5.78	---	---	---	---	---	5.97	5.90	5.94
13	5.84	5.82	5.84	5.78	---	---	---	---	---	5.97	5.90	5.92
14	5.85	5.82	5.83	5.80	---	---	---	---	---	5.96	5.93	5.92
15	5.86	5.80	5.80	5.77	---	---	---	---	---	5.96	5.93	5.98
16	5.84	5.84	5.80	5.74	---	---	---	---	---	5.99	5.92	5.96
17	5.84	5.85	5.77	5.74	---	---	---	---	---	5.95	5.92	5.86
18	5.83	5.81	5.74	5.77	---	---	---	---	---	5.82	5.94	5.84
19	5.83	5.74	5.77	5.72	---	---	---	---	---	5.87	5.95	5.91
20	5.84	5.83	5.79	5.67	---	---	---	---	---	5.92	5.93	5.90
21	5.74	5.81	5.78	5.61	---	---	---	---	---	5.93	5.91	5.90
22	5.64	5.69	5.77	5.59	---	---	---	---	---	5.96	5.94	5.89
23	5.74	5.75	5.77	5.63	m5.86	---	---	---	---	5.93	5.95	5.87
24	5.78	5.81	5.68	5.65	---	---	---	---	---	5.92	5.91	5.91
25	5.81	5.81	5.63	---	---	---	---	m5.75	---	5.95	5.94	5.91
26	5.83	5.85	5.68	m5.69	---	---	m5.70	---	---	5.91	5.94	5.89
27	5.84	5.87	5.70	---	---	---	---	---	---	5.86	5.94	5.89
28	5.85	5.78	5.67	---	---	---	---	---	---	5.82	5.96	5.93
29	5.83	5.77	5.73	---	---	---	---	---	---	5.82	5.92	5.95
30	5.85	5.80	5.79	---	---	m5.65	---	---	m5.81	5.81	5.92	5.93
31	5.85	---	5.79	---	---	---	---	---	---	5.88	5.91	---
LOW	5.87	5.87	5.84	---	---	---	---	---	---	6.00	5.96	5.98
HIGH	5.64	5.56	5.63	---	---	---	---	---	---	5.81	5.87	5.84

WTR YR 1995 HIGHEST 5.56 NOV 2 LOWEST 6.00 JULY 4,5
 m Measured

**KW 882
 442233069490701**



OXFORD COUNTY

443647070552302 Local number, OW 400A

LOCATION.--Lat 44°46'37", long 70°55'23", Hydrologic Unit 01040001, at Middle Dam, Lower Richardson Lake.
 Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 23.6 ft, screened depth 18.6 to 23.6 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

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.

REMARKS.--Records lost Oct. 1 to Nov. 23 because of battery failure.

PERIOD OF RECORD.--Oct. 1989 to current year.

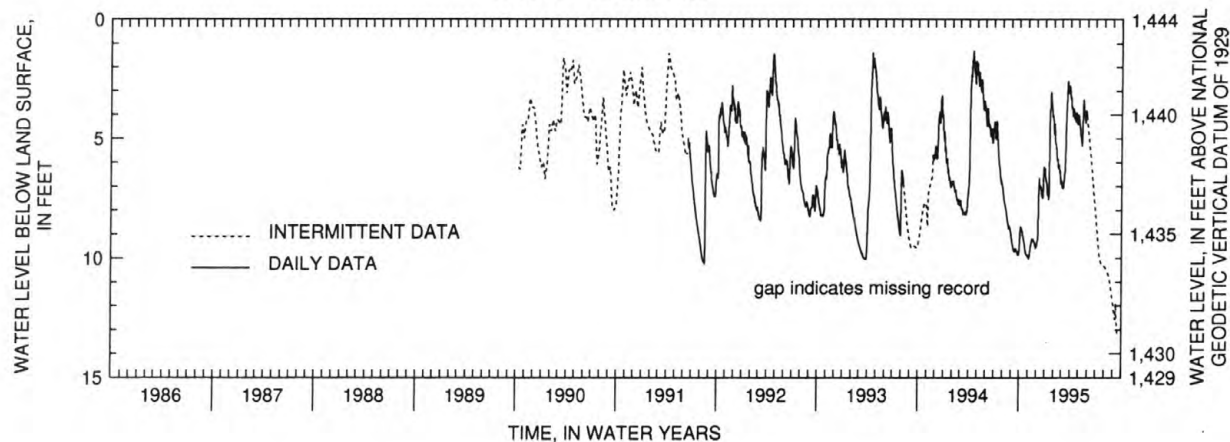
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.29 ft below land-surface datum, Apr. 16, 1994; lowest recorded, 13.30 ft below land-surface datum, Sept. 24, 1995.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.44	9.95	9.49	6.23	4.29	6.80	3.05	3.99	---	---	---	---
2	9.13	9.96	9.40	6.34	4.69	6.93	3.25	4.03	m4.35	---	---	---
3	8.92	10.00	9.35	6.66	4.83	7.02	3.35	4.17	---	m8.30	---	m11.90
4	8.78	9.98	9.31	6.66	4.47	7.06	3.21	4.35	---	---	---	---
5	8.72	9.92	9.24	6.78	4.45	7.09	3.58	4.35	m4.60	---	---	---
6	8.73	9.84	9.04	6.85	5.06	7.00	3.77	4.51	---	---	m10.40	---
7	8.77	9.76	8.20	6.81	5.23	7.11	3.69	4.64	---	---	---	---
8	8.78	9.69	7.46	7.09	5.20	7.04	3.68	4.84	---	---	---	---
9	8.79	9.60	7.00	7.18	5.23	7.00	3.71	4.90	---	m9.20	---	---
10	8.86	9.50	6.83	7.33	5.40	6.84	4.08	4.95	---	---	---	m12.60
11	8.95	9.43	6.64	7.39	5.36	6.66	4.04	5.03	m5.40	---	---	---
12	9.03	9.37	7.00	7.30	5.60	6.53	3.89	5.15	---	---	---	---
13	9.07	9.29	7.02	7.39	5.83	6.38	3.73	5.33	---	---	m10.60	---
14	9.12	9.25	7.02	7.51	5.93	6.25	3.85	5.06	---	---	---	---
15	9.20	9.22	7.05	7.48	5.93	5.86	3.92	4.82	---	---	---	---
16	9.25	9.24	7.09	6.99	5.86	5.35	4.13	4.07	---	m10.00	---	---
17	9.34	9.25	7.03	4.77	6.18	4.68	4.18	3.68	---	---	---	m13.10
18	9.39	9.23	7.04	3.93	6.25	4.21	4.18	3.35	---	---	---	---
19	9.47	9.22	7.21	3.78	6.12	3.87	4.07	3.40	m6.30	---	---	---
20	9.55	9.30	7.36	3.78	6.13	3.42	4.31	3.70	---	---	m10.80	---
21	9.63	9.31	7.41	3.21	6.11	3.16	4.23	3.87	---	---	---	---
22	9.72	9.31	7.45	3.04	6.41	2.67	3.94	3.98	---	---	---	---
23	9.78	9.36	7.48	3.26	6.45	2.57	3.93	4.01	---	m10.30	---	---
24	9.82	9.43	7.47	3.43	6.32	2.67	3.93	4.01	---	---	---	m13.30
25	9.84	9.45	7.39	3.59	6.65	2.80	4.12	4.29	m7.30	---	---	---
26	9.87	9.51	7.03	3.66	6.88	3.03	4.31	4.36	---	---	---	---
27	9.88	9.55	6.57	3.81	6.86	3.11	4.35	4.21	---	---	m11.40	---
28	9.89	9.51	6.18	4.01	6.71	2.88	4.34	3.94	---	---	---	---
29	9.90	9.56	6.27	4.13	---	2.84	4.42	3.82	---	---	---	---
30	9.92	9.55	6.49	4.01	---	2.78	4.29	3.93	---	m10.30	---	---
31	9.94	---	6.39	4.11	---	2.84	---	4.04	---	---	---	---
LOW	9.94	10.00	9.49	7.51	6.88	7.11	4.42	5.33	---	---	---	---
HIGH	8.72	9.22	6.18	3.04	4.29	2.57	3.05	3.35	---	---	---	---

WTR YR 1995 HIGHEST 2.57 MAR 23 LOWEST 13.30 SEPT 24
 m Measured

OW 400A
443647070552302



OXFORD COUNTY--Continued

440642070583402 Local number, OW 615A

LOCATION.--Lat 44°06'42", long 70°58'34", Hydrologic Unit 01060002, at the intersection of State Highway 113 and the road to Fish Street, Fryeburg. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (outwash) of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 32 ft, screened depth 26.6 to 31.6 ft, screen slot size 0.010 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 390 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 2.48 ft above land-surface datum.

PERIOD OF RECORD.--November 1989 to current year.

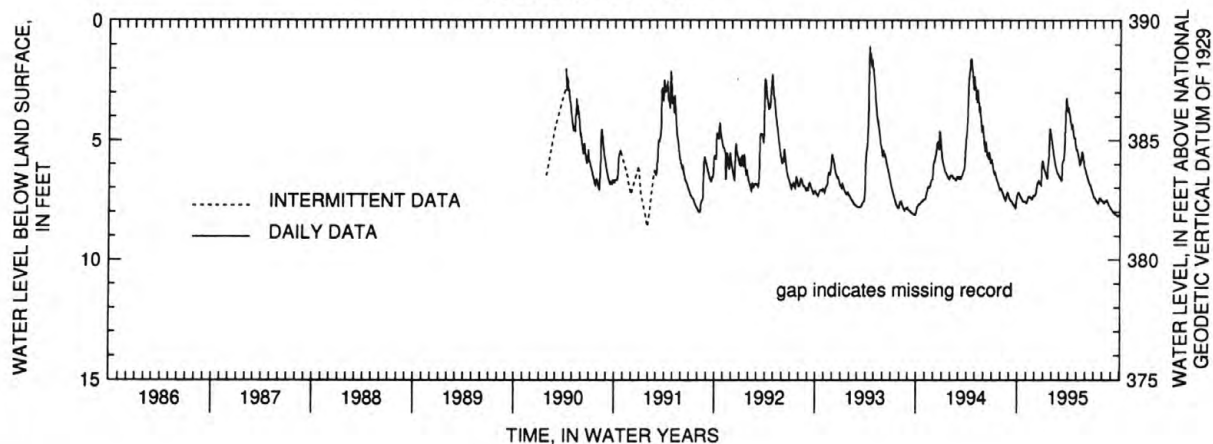
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.06 ft below land-surface datum, Apr. 13, 1993; lowest recorded, 8.18 ft below land-surface datum, Sept. 25, 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.23	7.64	7.32	6.06	5.15	6.59	3.66	5.38	6.26	7.41	7.57	7.89
2	7.21	7.63	7.31	6.12	5.27	6.62	3.80	5.44	6.32	7.42	7.60	7.91
3	7.21	7.59	7.28	6.20	5.37	6.64	3.90	5.49	6.38	7.42	7.62	7.93
4	7.21	7.53	7.26	6.23	5.41	6.66	3.92	5.56	6.43	7.42	7.64	7.94
5	7.22	7.49	7.22	6.27	5.49	6.69	4.03	5.62	6.47	7.45	7.65	7.97
6	7.25	7.46	7.11	6.30	5.61	6.69	4.16	5.68	6.51	7.47	7.64	7.98
7	7.28	7.41	7.02	6.34	5.70	6.73	4.20	5.75	6.54	7.49	7.63	8.00
8	7.30	7.40	6.93	6.41	5.77	6.68	4.25	5.85	6.59	7.52	7.57	8.00
9	7.32	7.37	6.86	6.42	5.83	6.03	4.31	5.91	6.63	7.54	7.56	8.02
10	7.36	7.37	6.81	6.47	5.90	5.91	4.39	5.98	6.69	7.56	7.57	8.04
11	7.39	7.36	6.78	6.50	5.97	5.86	4.47	6.05	6.73	7.58	7.58	8.06
12	7.41	7.37	6.74	6.54	6.02	5.86	4.53	6.03	6.76	7.59	7.57	8.07
13	7.43	7.37	6.74	6.59	6.07	5.83	4.37	5.97	6.79	7.62	7.55	8.08
14	7.45	7.38	6.75	6.64	6.14	5.83	4.35	5.94	6.82	7.64	7.54	8.09
15	7.47	7.40	6.73	6.54	6.19	5.73	4.47	5.92	6.84	7.65	7.52	8.11
16	7.50	7.42	6.78	6.15	6.22	5.58	4.60	5.77	6.87	7.66	7.52	8.12
17	7.52	7.44	6.78	5.98	6.27	5.39	4.69	5.68	6.87	7.66	7.52	8.13
18	7.54	7.46	6.79	5.86	6.33	5.07	4.78	5.54	6.89	7.60	7.55	8.13
19	7.56	7.46	6.81	5.79	6.35	4.55	4.85	5.47	6.92	7.53	7.60	8.13
20	7.58	7.49	6.84	5.70	6.38	4.19	4.88	5.50	6.96	7.47	7.64	8.14
21	7.59	7.49	6.84	5.23	6.40	3.82	4.93	5.55	7.01	7.43	7.67	8.15
22	7.59	7.48	6.87	4.67	6.43	3.29	4.88	5.63	7.05	7.43	7.69	8.15
23	7.58	7.43	6.89	4.52	6.44	3.22	4.94	5.72	7.11	7.43	7.71	8.16
24	7.57	7.38	6.74	4.52	6.46	3.30	5.03	5.79	7.14	7.44	7.74	8.17
25	7.57	7.36	6.29	4.60	6.49	3.44	5.12	5.89	7.17	7.47	7.75	8.18
26	7.59	7.33	6.03	4.66	6.54	3.57	5.22	5.97	7.23	7.49	7.77	8.17
27	7.59	7.34	5.90	4.74	6.55	3.67	5.32	6.04	7.26	7.52	7.80	8.15
28	7.60	7.33	5.84	4.83	6.57	3.72	5.37	6.12	7.28	7.53	7.82	8.16
29	7.61	7.33	5.88	4.94	---	3.80	5.40	6.16	7.34	7.54	7.84	8.16
30	7.61	7.34	5.94	4.99	---	3.80	5.40	6.18	7.38	7.54	7.86	8.16
31	7.64	---	6.00	5.08	---	3.66	---	6.23	---	7.55	7.87	---
LOW	7.64	7.64	7.32	6.64	6.57	6.73	5.40	6.23	7.38	7.66	7.87	8.18
HIGH	7.21	7.33	5.84	4.52	5.15	3.22	3.66	5.38	6.26	7.41	7.52	7.89

WTR YR 1995 HIGH 3.22 MAR 23 LOW 8.18 SEPT 25

**OW 615A
440642070583402**



OXFORD COUNTY--Continued

442515070481002 Local number, OW 616A

LOCATION.--Lat 44°25'15", long 70°48'10", Hydrologic Unit 01040002, at Bethel Airport, Bethel. Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel (outwash) of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation water-table well, diameter 2 in., depth 27 ft; screened depth 16.9 to 21.9 ft, screen slot size 0.008 in; screened depth 21.9 to 26.9 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 650 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.05 ft above land-surface datum.

PERIOD OF RECORD.--Oct. 1989 to current year.

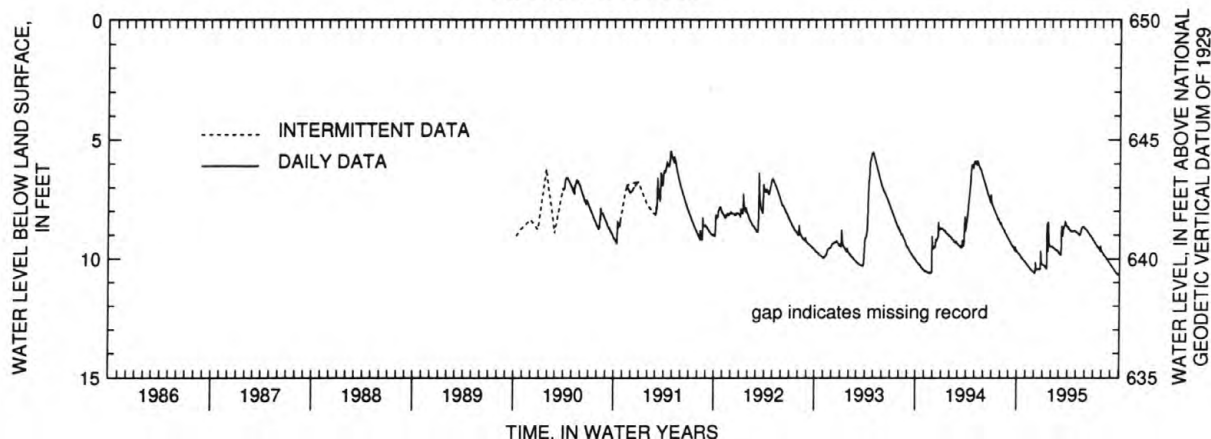
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.49 ft below land-surface datum, Apr. 24 and 25, 1991; lowest recorded, 10.70 ft below land-surface datum, Sept. 30, 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.69	10.16	10.57	10.24	9.47	9.76	8.67	8.87	8.71	9.21	9.68	10.22
2	9.71	10.17	10.58	10.25	9.47	9.78	8.68	8.88	8.73	9.22	9.71	10.25
3	9.73	10.18	10.59	10.26	9.48	9.80	8.72	8.88	8.74	9.24	9.73	10.27
4	9.74	10.21	10.60	10.26	9.48	9.81	8.70	8.88	8.75	9.25	9.75	10.29
5	9.76	10.23	10.58	10.27	9.48	9.82	8.73	8.90	8.76	9.27	9.77	10.30
6	9.78	10.24	10.12	10.28	9.50	9.83	8.75	8.91	8.76	9.29	9.80	10.31
7	9.79	10.25	10.25	10.29	9.51	9.83	8.76	8.92	8.78	9.31	9.81	10.33
8	9.79	10.26	10.36	10.30	9.52	9.85	8.77	8.93	8.80	9.33	9.83	10.35
9	9.81	10.28	10.41	10.31	9.53	9.05	8.79	8.95	8.83	9.35	9.85	10.36
10	9.82	10.29	10.43	10.32	9.54	8.60	8.81	8.96	8.84	9.38	9.86	10.38
11	9.84	10.31	10.43	10.37	9.55	8.82	8.83	8.99	8.86	9.39	9.87	10.39
12	9.86	10.33	10.44	10.37	9.56	8.98	8.83	8.99	8.86	9.41	9.89	10.42
13	9.87	10.34	10.45	10.39	9.57	9.07	8.83	9.01	8.88	9.43	9.91	10.43
14	9.90	10.36	10.43	10.40	9.59	8.98	8.84	9.01	8.90	9.45	9.92	10.45
15	9.93	10.38	10.43	10.40	9.59	8.81	8.86	9.01	8.92	9.47	9.93	10.46
16	9.94	10.38	10.43	8.97	9.61	8.71	8.86	8.96	8.94	9.49	9.95	10.48
17	9.95	10.41	10.43	8.51	9.61	8.70	8.86	8.90	8.96	9.49	9.97	10.51
18	9.97	10.41	10.41	9.29	9.63	8.69	8.86	8.82	8.98	9.49	9.99	10.52
19	9.97	10.43	10.41	9.61	9.63	8.61	8.84	8.78	8.99	9.50	10.01	10.54
20	9.99	10.44	10.43	9.70	9.65	8.59	8.85	8.74	9.02	9.51	10.04	10.56
21	10.00	10.45	10.43	8.43	9.65	8.57	8.85	8.70	9.03	9.54	10.05	10.57
22	10.02	10.46	10.43	9.01	9.65	8.44	8.83	8.68	9.05	9.56	10.07	10.59
23	10.03	10.47	10.43	9.26	9.65	8.45	8.83	8.67	9.06	9.58	10.08	10.60
24	10.04	10.49	10.25	9.37	9.66	8.50	8.82	8.65	9.07	9.60	10.10	10.61
25	10.06	10.50	9.65	9.42	9.67	8.53	8.82	8.65	9.09	9.62	10.11	10.63
26	10.08	10.53	9.93	9.45	9.70	8.58	8.83	8.65	9.11	9.57	10.13	10.64
27	10.09	10.53	10.09	9.46	9.72	8.60	8.83	8.66	9.13	9.45	10.14	10.65
28	10.10	10.54	10.17	9.46	9.75	8.60	8.83	8.67	9.15	9.56	10.16	10.67
29	10.11	10.54	10.20	9.48	---	8.62	8.85	8.67	9.17	9.62	10.18	10.69
30	10.13	10.56	10.23	9.47	---	8.64	8.87	8.68	9.19	9.65	10.19	10.70
31	10.14	---	10.24	9.47	---	8.64	---	8.70	---	9.67	10.20	---
LOW	10.14	10.56	10.60	10.40	9.75	9.85	8.87	9.01	9.19	9.67	10.20	10.70
HIGH	9.69	10.16	9.65	8.43	9.47	8.44	8.67	8.65	8.71	9.21	9.68	10.22

WTR YR 1995 HIGH 8.43 JAN 21 LOW 10.70 SEPT 30

**OW 616A
442515070481002**



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--daily-mean values stored based on 24 hourly measurements.

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.--Sept. 1980 to current year.

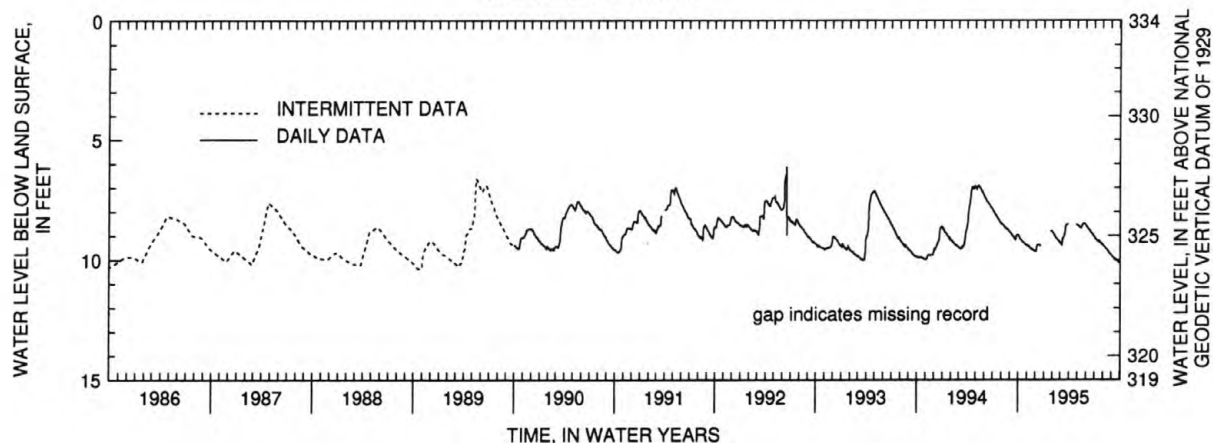
REVISED RECORDS.--WDR ME-82-1: 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.87 ft below land-surface datum, May 15,, 1984; lowest recorded, 10.37 ft below land-surface datum, Oct. 20-22, 1988.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.97	9.38	9.65	---	8.82	9.27	---	8.54	8.55	9.03	9.37	9.79
2	8.98	9.38	9.65	---	8.85	9.29	---	8.54	8.57	9.04	9.38	9.81
3	8.99	9.38	9.65	---	8.87	9.31	---	8.56	8.58	9.06	9.40	9.83
4	9.01	9.40	9.66	---	8.87	9.33	---	8.57	8.60	9.09	9.41	9.85
5	9.03	9.40	9.65	---	8.88	9.33	---	8.57	8.62	9.11	9.42	9.86
6	9.06	9.40	9.51	---	8.92	9.34	---	8.58	8.64	9.12	9.43	9.87
7	9.09	9.42	9.45	---	8.94	9.35	---	8.59	8.65	9.14	9.44	9.88
8	9.11	9.42	9.41	---	8.95	9.36	---	8.61	8.66	9.15	9.45	9.90
9	9.13	9.44	9.39	---	8.97	9.23	---	8.63	8.70	9.15	9.46	9.90
10	9.14	9.44	9.38	---	9.01	9.10	---	8.63	8.71	9.17	9.48	9.91
11	9.15	9.46	9.37	---	9.02	9.08	---	8.65	8.72	9.18	9.49	9.93
12	9.17	9.47	9.37	---	9.04	9.08	---	8.65	8.72	9.19	9.51	9.93
13	9.18	9.49	9.36	---	9.06	9.09	---	8.67	8.75	9.21	9.52	9.93
14	9.19	9.50	9.36	---	9.08	9.07	---	8.68	8.77	9.23	9.53	9.94
15	9.20	9.51	9.37	---	9.10	9.04	---	8.68	8.78	9.24	9.54	9.97
16	9.22	9.52	9.37	---	9.10	9.01	---	8.68	8.80	9.25	9.55	9.98
17	9.24	9.53	9.37	---	9.11	8.96	---	8.67	8.81	9.25	9.57	9.99
18	9.24	9.54	9.37	---	9.12	8.90	---	8.63	8.82	9.19	9.58	9.99
19	9.25	9.55	9.39	---	9.12	8.79	---	8.58	8.83	9.19	9.60	9.98
20	9.26	9.56	9.41	---	9.14	8.71	---	8.56	8.85	9.21	9.61	9.98
21	9.27	9.57	9.42	---	9.16	8.65	---	8.53	8.88	9.23	9.62	10.02
22	9.28	9.55	---	---	9.18	8.58	---	8.51	8.88	9.26	9.65	10.02
23	9.29	9.55	m9.47	---	9.20	8.55	---	8.50	8.90	9.27	9.67	10.02
24	9.30	9.56	---	---	9.20	8.53	---	8.49	8.91	9.28	9.68	10.03
25	9.31	9.58	---	m8.80	9.22	8.53	---	8.49	8.92	9.30	9.69	10.06
26	9.33	9.59	---	8.80	9.25	8.53	m8.52	8.49	8.94	9.31	9.71	10.07
27	9.34	9.61	---	8.80	9.25	8.54	8.52	8.49	8.97	9.32	9.72	10.09
28	9.35	9.61	---	8.80	9.26	---	8.53	8.50	8.98	9.31	9.74	10.12
29	9.36	9.63	---	8.81	---	m8.55	8.53	8.50	9.00	9.31	9.75	10.12
30	9.37	9.63	---	8.80	---	m8.49	8.54	8.50	9.02	9.33	9.77	10.13
31	9.38	---	---	8.80	---	---	---	8.52	---	9.37	9.78	---
LOW	9.38	9.63	---	---	9.26	---	---	8.68	9.02	9.37	9.78	10.13
HIGH	8.97	9.38	---	---	8.82	---	---	8.49	8.55	9.03	9.37	9.79
WTR YR 1995	HIGHEST 8.49 MAR 30, MAY 24-27											
m Measured	LOWEST 10.13 SEPT 30											

OW 1214
440823070291501



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 98 ft, open hole.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 190 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Floor of fiberglass shelter, 0.37 ft above land-surface datum, which is 4.3 ft above the general land surface.

PERIOD OF RECORD.--Apr. 1978 to current year.

REVISED RECORDS.--WDR ME-84-1: 1979, 1980, 1981.

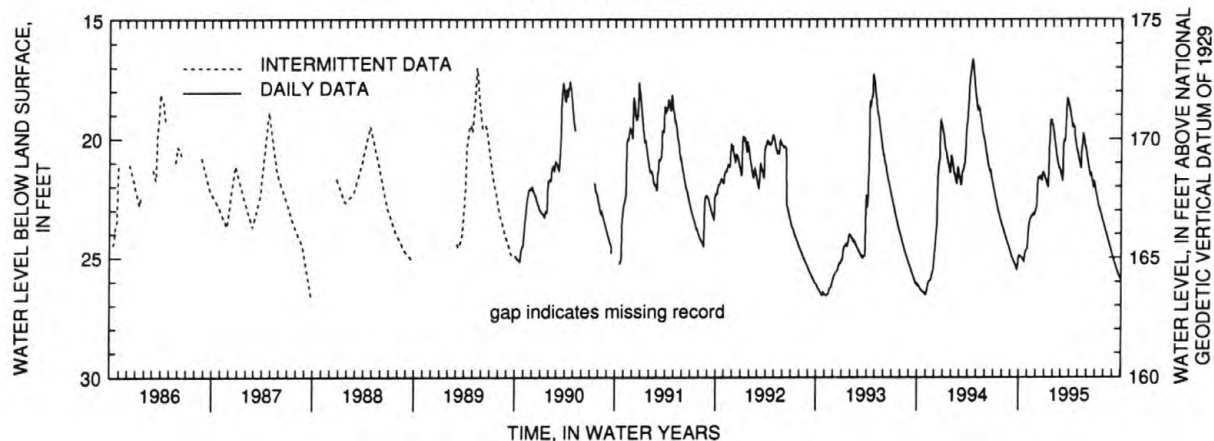
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 14.92 ft below land-surface datum, Apr. 26, 1983; lowest recorded, 26.91 ft below land-surface datum, Sept. 30, 1987.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.93	24.62	23.00	21.52	19.45	21.40	18.65	20.57	20.57	21.93	23.52	24.86
2	24.91	24.54	22.94	21.53	19.60	21.47	18.76	20.63	20.67	22.01	23.57	24.89
3	24.90	24.34	22.92	21.61	19.74	21.53	18.84	20.71	20.74	22.09	23.62	24.96
4	24.91	24.09	22.89	21.64	19.76	21.60	18.83	20.79	20.80	22.17	23.66	25.00
5	24.92	23.91	22.83	21.68	19.73	21.65	18.94	20.85	20.88	22.24	23.69	25.03
6	24.94	23.80	22.54	21.72	19.95	21.67	19.07	20.90	20.96	22.29	23.74	25.07
7	24.96	23.70	22.16	21.71	20.06	21.74	19.12	20.94	21.02	22.34	23.80	25.11
8	24.96	23.61	21.90	21.78	20.13	21.72	19.19	21.01	21.09	22.39	23.83	25.14
9	24.96	23.51	21.78	21.80	20.22	21.12	19.24	21.08	21.21	22.43	23.87	25.17
10	24.97	23.46	21.69	21.88	20.32	20.39	19.38	21.14	21.27	22.51	23.92	25.22
11	25.00	23.42	21.61	21.93	20.38	20.14	19.48	21.19	21.34	22.57	23.96	25.25
12	25.00	23.38	21.65	21.93	20.48	20.10	19.52	21.24	21.38	22.64	23.99	25.29
13	25.02	23.34	21.65	21.95	20.59	20.12	19.45	21.04	21.44	22.69	24.05	25.32
14	25.03	23.30	21.63	22.02	20.67	20.15	19.40	20.67	21.52	22.76	24.09	25.36
15	25.04	23.28	21.62	22.02	20.76	20.11	19.41	20.37	21.54	22.81	24.14	25.40
16	25.06	23.28	21.65	21.66	20.80	20.07	19.44	20.31	21.46	22.87	24.17	25.44
17	25.08	23.27	21.62	21.08	20.92	19.94	19.48	20.26	21.44	22.92	24.21	25.48
18	25.08	23.24	21.59	20.56	20.98	19.73	19.51	20.11	21.48	22.95	24.25	25.51
19	25.12	23.20	21.62	20.25	21.05	19.40	19.53	19.93	21.52	22.93	24.32	25.54
20	25.14	23.23	21.68	20.16	21.08	19.05	19.80	19.82	21.60	22.97	24.36	25.57
21	25.15	23.22	21.70	19.88	21.10	18.80	20.00	19.83	21.72	23.02	24.39	25.60
22	25.08	23.17	21.71	19.33	21.18	18.54	20.03	19.88	21.78	23.07	24.43	25.64
23	24.94	23.15	21.73	19.22	21.25	18.33	20.09	19.95	21.84	23.13	24.48	25.68
24	24.85	23.13	21.69	19.21	21.25	18.31	20.16	19.99	21.89	23.16	24.50	25.71
25	24.79	23.13	21.52	19.22	21.24	18.33	20.24	20.09	21.97	23.21	24.56	25.73
26	24.75	23.14	21.44	19.22	21.28	18.36	20.34	20.18	22.04	23.26	24.61	25.76
27	24.72	23.17	21.42	19.24	21.32	18.42	20.41	20.28	22.07	23.30	24.64	25.79
28	24.70	23.12	21.40	19.29	21.34	18.47	20.46	20.36	22.07	23.37	24.70	25.82
29	24.66	23.07	21.41	19.36	---	18.55	20.51	20.39	21.81	23.41	24.73	25.86
30	24.65	23.03	21.49	19.36	---	18.59	20.53	20.38	21.87	23.44	24.77	25.88
31	24.64	---	21.53	19.40	---	18.59	---	20.48	---	23.49	24.82	---
LOW	25.15	24.62	23.00	22.02	21.34	21.74	20.53	21.24	22.07	23.49	24.82	25.88
HIGH	24.64	23.03	21.40	19.21	19.45	18.31	18.65	19.82	20.57	21.93	23.52	24.86

WTR YR 1995 HIGH 18.31 MAR 24 LOW 25.88 SEPT 30

**PEW 456
445319068560101**



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 installed on August 2.--daily-mean values stored based on 24 hourly measurements.

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.

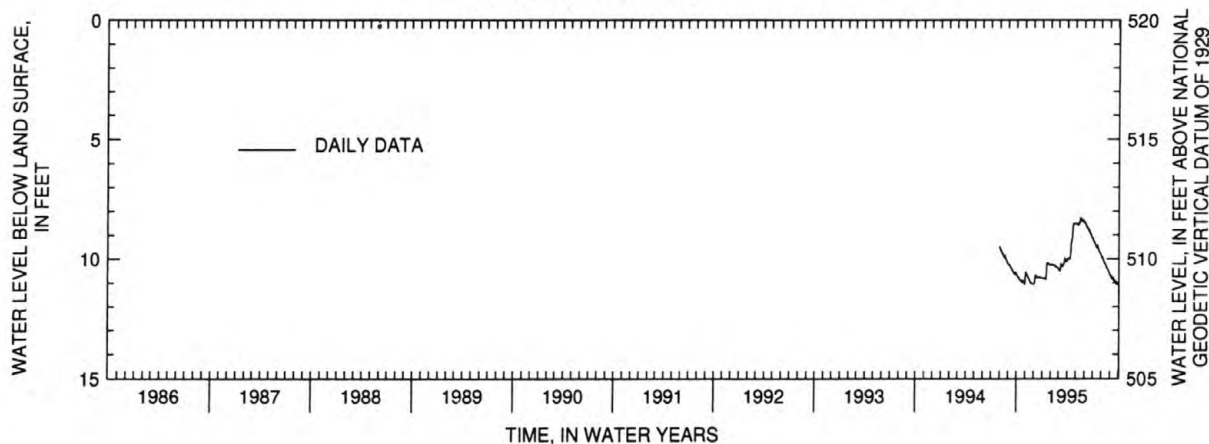
PERIOD OF RECORD.-- Aug. 1994 to Sept. 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.63	10.99	11.05	10.81	10.25	10.42	10.06	8.52	8.47	9.13	9.86	10.66
2	10.66	10.76	11.05	10.81	10.26	10.44	10.01	8.52	8.49	9.12	9.90	10.68
3	10.68	10.62	11.05	10.81	10.26	10.47	10.00	8.53	8.50	9.17	9.94	10.70
4	10.70	10.58	11.04	10.81	10.25	10.47	9.99	8.53	8.48	9.20	9.93	10.72
5	10.73	10.61	11.02	10.80	10.24	10.48	9.99	8.54	8.50	9.23	9.93	10.74
6	10.75	10.66	10.85	10.81	10.26	10.47	9.99	8.55	8.53	9.26	9.96	10.77
7	10.77	10.66	10.73	10.80	10.27	10.49	10.00	8.55	8.55	9.28	9.99	10.79
8	10.77	10.68	10.69	10.81	10.26	10.47	10.01	8.56	8.58	9.31	10.02	10.76
9	10.79	10.69	10.69	10.81	10.27	10.30	9.99	8.57	8.64	9.33	10.05	10.79
10	10.80	10.71	10.71	10.82	10.27	10.25	10.00	8.59	8.66	9.36	10.08	10.81
11	10.82	10.74	10.71	10.83	10.27	10.28	9.99	8.59	8.67	9.41	10.13	10.83
12	10.85	10.78	10.74	10.83	10.28	10.28	9.96	8.60	8.68	9.43	10.15	10.84
13	10.87	10.81	10.76	10.83	10.29	10.30	9.89	8.53	8.70	9.46	10.17	10.86
14	10.88	10.84	10.79	10.85	10.29	10.32	9.71	8.51	8.73	9.48	10.20	10.88
15	10.89	10.86	10.79	10.84	10.30	10.33	9.39	8.50	8.74	9.50	10.21	10.85
16	10.90	10.87	10.79	10.76	10.30	10.33	9.35	8.49	8.76	9.55	10.23	10.87
17	10.92	10.89	10.78	10.47	10.31	10.31	9.31	8.50	8.80	9.55	10.26	10.89
18	10.93	10.93	10.77	10.26	10.33	10.29	9.25	8.39	8.81	9.50	10.29	10.91
19	10.94	10.95	10.77	10.21	10.32	10.23	9.14	8.29	8.83	9.47	10.32	10.93
20	10.96	10.98	10.77	10.22	10.34	10.21	8.98	8.29	8.81	9.52	10.34	10.96
21	10.94	11.00	10.77	10.20	10.34	10.20	8.88	8.30	8.86	9.57	10.37	10.99
22	10.90	10.99	10.77	10.18	10.35	10.11	8.69	8.33	8.90	9.61	10.40	11.01
23	10.90	10.99	10.77	10.18	10.36	10.03	8.56	8.35	8.92	9.64	10.42	10.97
24	10.92	11.01	10.78	10.20	10.36	10.00	8.57	8.37	8.94	9.67	10.45	10.97
25	10.94	11.03	10.78	10.22	10.39	10.02	8.57	8.40	8.96	9.70	10.46	11.01
26	10.97	11.04	10.78	10.23	10.40	10.05	8.57	8.43	9.00	9.73	10.48	11.02
27	10.98	11.05	10.79	10.25	10.41	10.07	8.55	8.44	9.04	9.74	10.52	11.04
28	11.00	11.05	10.79	10.26	10.41	10.09	8.54	8.43	9.06	9.77	10.54	11.05
29	11.02	11.05	10.79	10.27	---	10.10	8.53	8.43	9.08	9.78	10.56	11.07
30	11.03	11.05	10.81	10.27	---	10.12	8.53	8.41	9.12	9.80	10.59	11.08
31	11.04	---	10.81	10.26	---	10.11	---	8.44	---	9.83	10.63	---
LOW	11.04	11.05	11.05	10.85	10.41	10.49	10.06	8.60	9.12	9.83	10.63	11.08
HIGH	10.63	10.58	10.69	10.18	10.24	10.00	8.53	8.29	8.47	9.12	9.86	10.66

WTR YR 1995 HIGH 8.29 MAY 19,20 LOW 11.08 SEPT 30

**PEW 594
453629068531801**



PISCATAQUIS COUNTY

452829069322101 Local number, PIW 2

LOCATION.--Lat 45°29'26", long 69°39'54", Hydrologic Unit 01030001, approximately 1.0 mi north of Greenville Junction. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--A wash-bored unconfined observation well, diameter 2 in., Sept. 1987 measured depth 31 ft, screened depth 14 to 24 feet, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 1,087 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.24 ft above land-surface datum.

REMARKS.--Records lost Nov 8 to Aug 31 because of recorder malfunction.

PERIOD OF RECORD.--July 1988 to current year.

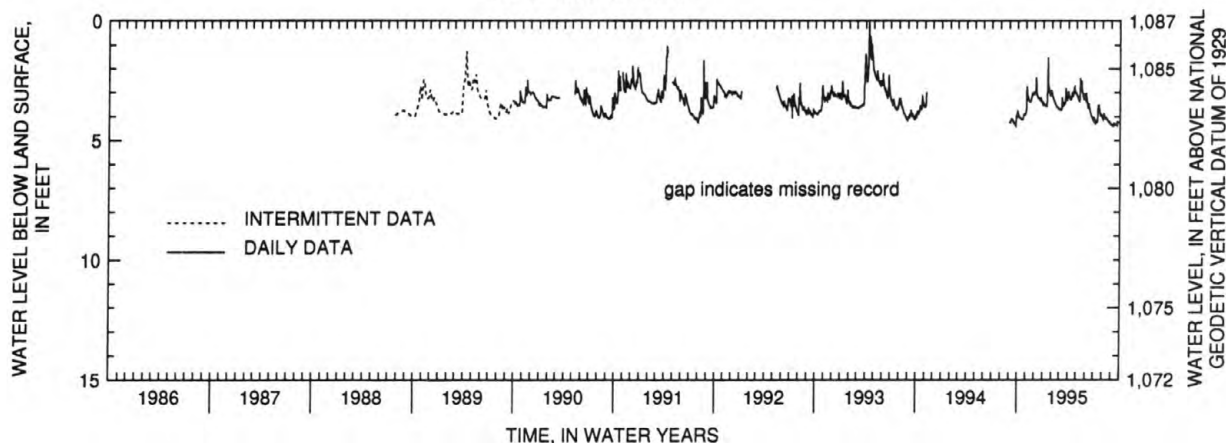
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, -0.05 ft below land-surface datum, Apr. 12, 1993; lowest recorded, 4.38 ft below land-surface datum, Sept. 23 1994 and Sept. 7, 1995.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.84	3.67	3.06	3.44	3.01	3.69	2.96	3.10	3.29	4.02	4.08	4.33
2	3.90	3.08	3.07	3.46	3.09	3.70	3.06	3.12	3.39	4.08	4.10	4.35
3	3.94	2.74	3.07	3.49	3.17	3.72	3.14	3.14	3.35	4.12	4.12	4.35
4	3.96	3.06	3.03	3.50	3.21	3.74	3.16	3.18	3.02	4.18	4.06	4.36
5	3.99	3.20	2.90	3.52	3.21	3.74	3.18	3.21	3.20	4.23	3.87	4.37
6	4.03	3.27	2.36	3.54	3.25	3.74	3.24	3.24	3.33	4.26	3.92	4.37
7	4.05	3.15	2.56	3.53	3.31	3.74	3.28	3.29	3.43	4.28	3.95	4.38
8	4.06	3.21	2.94	3.54	3.33	3.70	3.29	3.31	3.53	4.25	3.99	4.30
9	4.07	3.29	3.06	3.54	3.35	3.21	3.28	3.31	3.59	4.18	4.04	4.30
10	4.07	3.33	3.11	3.56	3.39	3.31	3.29	3.35	3.65	4.18	4.07	4.28
11	4.09	3.35	3.13	3.58	3.42	3.42	3.27	3.36	3.67	4.18	4.09	4.30
12	4.09	3.37	3.20	3.58	3.45	3.48	3.25	3.26	3.56	4.19	4.09	4.33
13	4.10	3.38	3.23	3.58	3.47	3.53	3.12	2.41	3.46	4.20	4.02	4.36
14	4.11	3.39	3.23	3.48	3.51	3.54	2.99	2.70	3.58	4.16	4.06	4.36
15	4.12	3.39	3.24	3.24	3.54	3.53	3.03	2.93	3.67	3.72	4.08	4.33
16	4.13	3.38	3.26	2.53	3.56	3.52	3.12	2.81	3.71	3.53	4.08	4.34
17	4.12	3.38	3.25	1.52	3.58	3.47	3.17	2.73	3.76	3.71	4.11	4.33
18	4.12	3.34	3.24	2.15	3.60	3.48	3.16	2.50	3.81	3.60	4.13	4.32
19	4.13	3.27	3.27	2.68	3.60	3.45	3.08	2.72	3.85	3.57	4.16	4.33
20	4.12	3.21	3.31	2.97	3.60	3.43	2.96	2.92	3.90	3.67	4.18	4.35
21	4.04	3.15	3.32	2.78	3.62	3.39	2.92	3.04	3.93	3.74	4.20	4.36
22	3.97	3.08	3.25	2.89	3.65	2.86	2.78	3.04	3.97	3.81	4.22	4.37
23	3.91	3.06	3.24	3.00	3.67	2.82	2.75	3.09	4.01	3.87	4.23	4.22
24	3.91	3.09	3.29	3.04	3.68	3.01	2.87	3.17	4.04	3.90	4.20	4.23
25	3.92	3.08	3.32	3.08	3.70	3.13	2.95	3.25	4.05	3.94	4.20	4.25
26	3.92	3.08	3.36	3.13	3.70	3.23	3.01	3.31	4.07	3.99	4.24	4.25
27	3.93	3.10	3.39	3.12	3.69	3.29	3.05	3.13	4.12	3.94	4.26	4.25
28	3.91	3.09	3.40	3.01	3.67	3.30	3.05	3.08	4.15	3.98	4.29	4.24
29	3.89	3.02	3.42	2.95	---	3.25	3.00	3.14	4.17	3.98	4.30	4.25
30	3.87	3.04	3.50	2.90	---	3.14	3.05	3.06	4.18	3.99	4.32	4.25
31	3.85	---	3.48	2.95	---	3.04	---	3.17	---	4.04	4.32	---
LOW	4.13	3.67	3.50	3.58	3.70	3.74	3.29	3.36	4.18	4.28	4.32	4.38
HIGH	3.84	2.74	2.36	1.52	3.01	2.82	2.75	2.41	3.02	3.53	3.87	4.22

WTR YR 1995 HIGH 1.52 JAN 17 LOW 4.38 SEPT 7

**PIW 2
452829069322101**



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.--Monthly measurement with chalked steel tape by local observer.

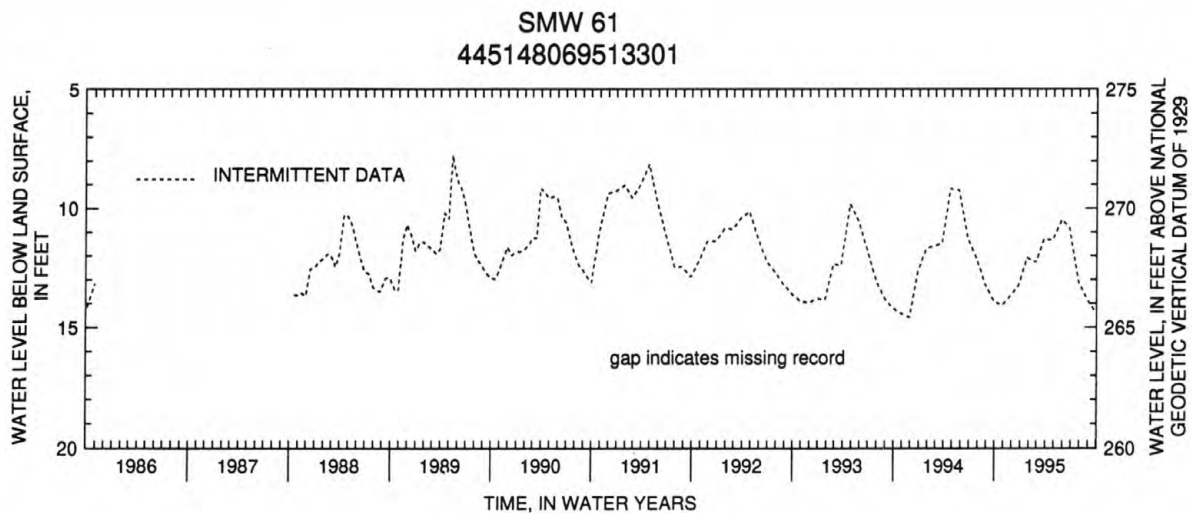
DATUM.--Elevation of land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.--January 1985 to November 1985 and Oct. 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.75 ft below land-surface datum, May 14, 1989; lowest measured, 14.59 ft below land-surface datum, Nov. 28, 1993.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	14.10	DEC 26	13.25	FEB 26	12.29	APR 27	11.35	JUN 26	10.84	AUG 28	13.83
NOV 29	13.66	JAN 25	12.09	MAR 27	11.30	MAY 30	10.49	JUL 29	13.09	SEP 27	14.33
WATER YEAR 1995		HIGHEST	10.49	MAY 30	LOWEST	14.33	SEPT 27				



WALDO COUNTY

443407069020901 Local number, WOW 82

LOCATION.--Lat 44°34'07", long 69°02'09", Hydrologic Unit 01020005, about 3.5 mi southwest of Monroe.
Owner: U.S. Geological Survey.

AQUIFER.--Glacial sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., depth 33 ft, screened depth 28 to 33 ft, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.62 ft above land-surface datum.

PERIOD OF RECORD.--November 1989 to current year.

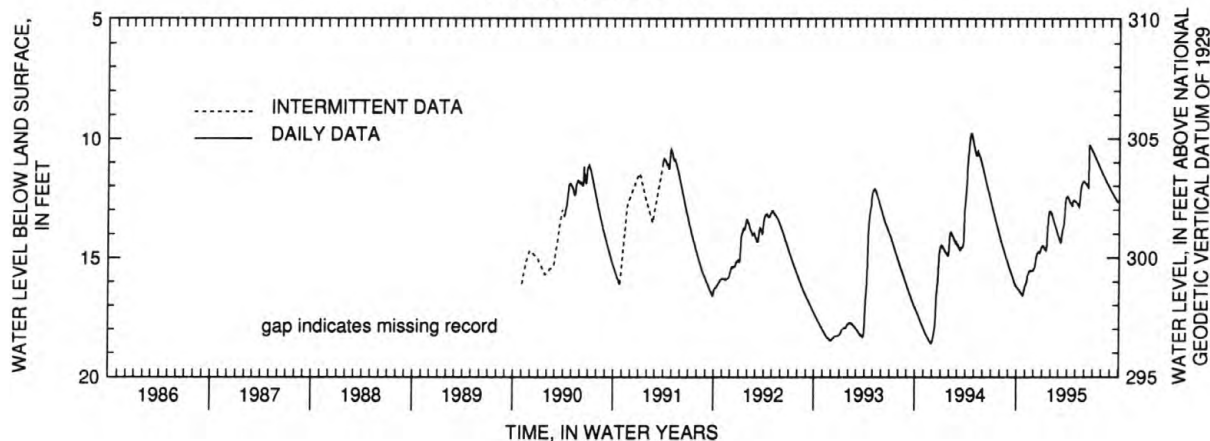
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 9.76 ft below land-surface datum, Apr. 19, 20, 1994; lowest recorded, 18.61 ft below land-surface datum, Nov. 29, 1993

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.22	16.14	15.51	14.51	13.09	14.14	12.46	12.67	11.82	10.56	11.38	12.13
2	16.24	16.11	15.48	14.50	13.14	14.19	12.48	12.68	11.83	10.57	11.41	12.15
3	16.24	16.10	15.46	14.51	13.19	14.22	12.50	12.69	11.85	10.60	11.44	12.18
4	16.26	16.06	15.43	14.52	13.18	14.26	12.49	12.71	11.87	10.63	11.46	12.20
5	16.28	16.02	15.39	14.53	13.17	14.30	12.52	12.73	11.88	10.66	11.48	12.22
6	16.29	15.96	15.38	14.54	13.25	14.32	12.57	12.74	11.89	10.69	11.51	12.24
7	16.31	15.90	15.28	14.54	13.32	14.35	12.59	12.76	11.91	10.71	11.54	12.27
8	16.33	15.85	15.20	14.59	13.35	14.37	12.62	12.78	11.94	10.73	11.56	12.29
9	16.34	15.79	15.12	14.61	13.37	14.36	12.63	12.80	11.97	10.76	11.57	12.31
10	16.35	15.75	15.04	14.62	13.42	14.30	12.69	12.82	11.99	10.79	11.61	12.34
11	16.37	15.70	14.95	14.64	13.45	14.18	12.72	12.84	12.00	10.82	11.63	12.35
12	16.39	15.68	14.91	14.63	13.48	14.06	12.73	12.85	12.01	10.85	11.65	12.37
13	16.41	15.65	14.87	14.66	13.53	13.95	12.72	12.87	12.04	10.87	11.68	12.39
14	16.44	15.62	14.84	14.69	13.58	13.87	12.74	12.80	12.07	10.90	11.70	12.41
15	16.45	15.59	14.82	14.70	13.60	13.81	12.76	12.64	12.08	10.93	11.73	12.44
16	16.47	15.57	14.81	14.64	13.63	13.79	12.79	12.50	11.45	10.96	11.75	12.45
17	16.49	15.57	14.77	14.50	13.69	13.74	12.82	12.36	10.24	10.98	11.78	12.47
18	16.51	15.56	14.75	14.31	13.73	13.71	12.84	12.26	10.27	11.00	11.80	12.50
19	16.53	15.55	14.75	14.07	13.75	13.65	12.84	12.17	10.28	11.03	11.82	12.51
20	16.55	15.57	14.76	13.86	13.80	13.53	12.66	12.09	10.30	11.06	11.86	12.52
21	16.57	15.56	14.76	13.70	13.82	13.38	12.62	12.02	10.33	11.09	11.88	12.54
22	16.59	15.54	14.78	13.54	13.87	13.21	12.60	11.95	10.36	11.12	11.89	12.57
23	16.59	15.55	14.79	13.37	13.91	13.01	12.60	11.90	10.39	11.15	11.92	12.59
24	16.56	15.56	14.78	13.23	13.94	12.82	12.61	11.87	10.40	11.17	11.94	12.60
25	16.50	15.56	14.74	13.13	13.99	12.66	12.61	11.84	10.42	11.20	11.96	12.62
26	16.44	15.57	14.71	13.09	14.04	12.56	12.62	11.82	10.45	11.22	11.99	12.64
27	16.37	15.57	14.67	13.07	14.08	12.50	12.63	11.81	10.48	11.25	12.02	12.66
28	16.32	15.55	14.60	13.07	14.10	12.48	12.63	11.80	10.50	11.28	12.03	12.67
29	16.25	15.55	14.57	13.08	---	12.47	12.64	11.79	10.51	11.31	12.06	12.69
30	16.22	15.54	14.56	13.07	---	12.46	12.66	11.79	10.54	11.33	12.08	12.70
31	16.17	---	14.54	13.08	---	12.45	---	11.81	---	11.35	12.11	---
LOW	16.59	16.14	15.51	14.70	14.10	14.37	12.84	12.87	12.08	11.35	12.11	12.70
HIGH	16.17	15.54	14.54	13.07	13.09	12.45	12.46	11.79	10.24	10.56	11.38	12.13

WTR YR 1995 HIGH 10.24 JUNE 17 LOW 16.59 OCT 22,23

**WOW 82
443407069020901**



WALDO COUNTY--Continued

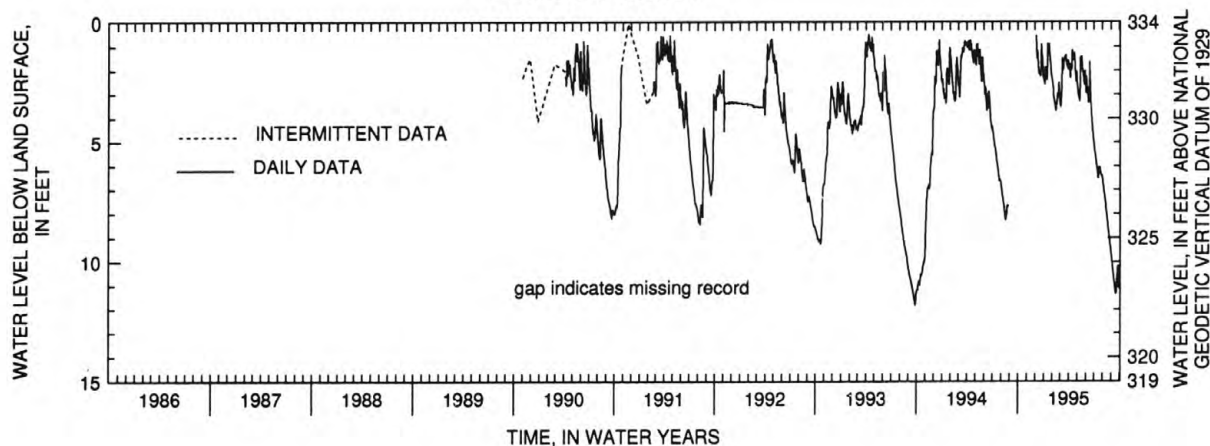
442822069081301 Local number, WOW 85

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--daily-mean values stored based on 24 hourly measurements.**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, 11.84 ft below land-surface datum, Sept. 27, 1993.DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	2.29	2.35	3.28	1.66	2.33	2.62	4.95	6.47	9.61
2	---	---	---	2.29	2.44	3.41	1.87	2.52	2.90	5.06	6.62	9.72
3	---	---	---	2.45	2.62	3.47	1.98	2.71	2.97	5.19	6.73	9.84
4	---	---	---	2.42	2.66	3.49	1.74	2.90	2.26	5.31	6.75	9.95
5	---	---	---	2.52	2.70	3.46	1.79	2.95	2.50	5.40	6.83	10.05
6	---	---	m.54	2.59	3.04	3.03	2.24	3.02	2.80	5.44	6.94	10.16
7	---	---	.98	2.16	3.17	2.93	2.27	3.08	2.92	5.52	7.06	10.26
8	---	---	1.32	1.84	3.19	2.58	2.22	3.14	2.72	5.63	7.15	10.38
9	---	---	1.51	1.90	3.30	1.47	1.90	3.18	2.99	5.71	7.22	10.49
10	---	---	1.41	2.10	3.41	1.67	1.87	3.28	3.19	5.82	7.33	10.61
11	---	---	1.16	2.25	3.38	1.87	1.96	3.30	3.36	5.94	7.42	10.73
12	---	---	1.48	2.26	3.49	1.98	1.93	2.98	3.32	6.04	7.51	10.83
13	---	---	1.76	2.35	3.58	1.97	1.28	1.43	3.18	6.14	7.64	10.92
14	---	---	1.94	2.36	3.66	1.84	1.14	1.66	3.32	6.21	7.76	11.02
15	---	---	2.06	1.78	3.69	1.70	1.29	1.85	2.62	6.30	7.88	11.13
16	---	---	2.18	.88	3.49	1.59	1.39	1.60	1.63	6.45	7.95	11.23
17	---	---	2.13	.88	3.43	1.49	1.50	1.72	2.10	6.53	8.05	11.32
18	---	---	2.04	1.13	3.38	1.46	1.57	1.40	2.36	6.47	8.17	11.35
19	---	---	2.06	1.24	3.20	1.50	1.55	1.64	2.67	6.22	8.30	11.33
20	---	---	2.20	1.26	3.07	1.53	1.43	1.89	3.13	6.11	8.39	11.17
21	---	---	2.26	.87	2.95	1.49	1.50	2.08	3.48	6.07	8.49	10.93
22	---	---	2.15	1.06	3.10	1.34	1.26	1.95	3.66	6.10	8.60	10.67
23	---	---	1.99	1.26	3.09	1.49	1.46	2.11	3.83	6.07	8.73	10.63
24	---	---	1.20	1.40	2.71	1.60	1.82	2.25	3.99	6.07	8.80	10.46
25	---	---	.88	1.52	2.50	1.66	1.98	2.23	4.16	6.25	8.91	10.26
26	---	---	1.21	1.62	2.73	1.78	2.15	2.46	4.33	6.33	9.01	10.15
27	---	---	1.38	1.77	2.97	1.84	2.27	2.56	4.49	6.36	9.10	10.24
28	---	---	1.41	1.96	3.11	1.83	2.48	2.60	4.56	6.40	9.23	10.99
29	---	---	1.51	2.17	---	1.89	2.05	2.46	4.68	6.43	9.32	11.09
30	---	---	1.95	2.21	---	1.86	2.09	2.01	4.83	6.37	9.42	11.12
31	---	---	2.29	2.30	---	1.58	---	2.33	---	6.42	9.52	---
LOW	---	---	---	2.59	3.69	3.49	2.48	3.30	4.83	6.53	9.52	11.35
HIGH	---	---	---	.87	2.35	1.34	1.14	1.40	1.63	4.95	6.47	9.61

WTR YR 1995 HIGHEST 0.54 DEC 6 LOWEST 11.35 SEPT 18
m MeasuredWOW 85
442822069081301

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.--Monthly measurement with chalked steel tape by local observer.

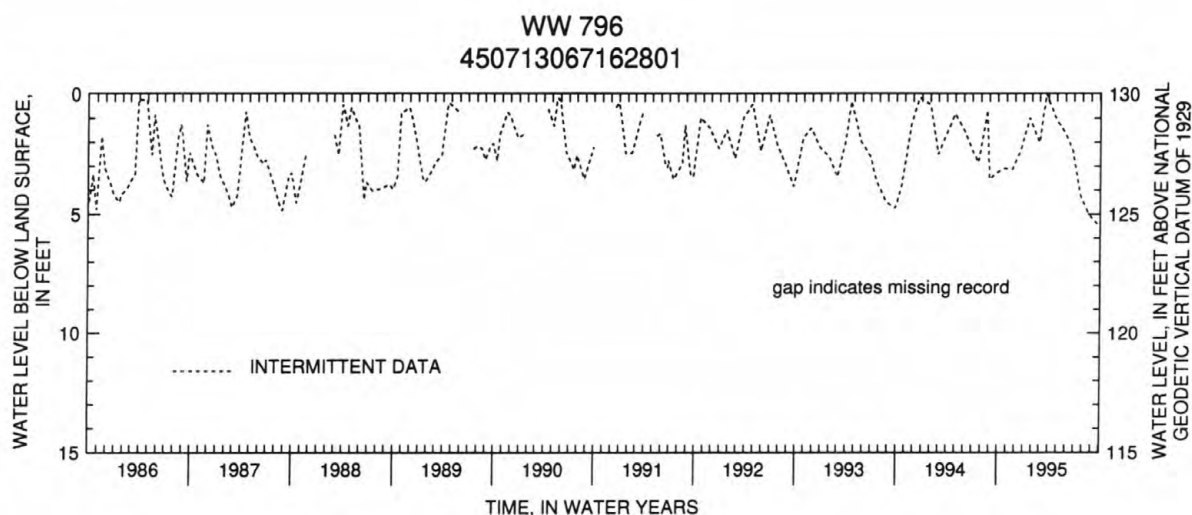
DATUM.--Elevation of land-surface datum is 130 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, at land-surface datum, which is 0.8 ft above the general land surface.

PERIOD OF RECORD.--Sept. 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, overflowed Feb. 14, Sept. 25, and Dec. 16, 1981, Apr. 16, 1982, Mar. 20 and 26, Apr. 22 and 28, May 04, June 01, Dec. 14 and 15, 1983, Apr. 03, 15, and 28, 1984; lowest measured, 5.51 ft below land-surface datum, Sept. 29, 1995.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.10	DEC 21	2.34	FEB 27	2.02	APR 28	1.05	JUN 27	2.37	AUG 23	5.01
NOV 21	3.14	JAN 23	.99	MAR 23	.00	MAY 30	1.60	JUL 24	4.23	SEP 29	5.51
WATER YEAR 1995		HIGHEST	.00	MAR 23	LOWEST	5.51	SEPT 29				



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--daily-mean values stored based on 24 hourly measurements.

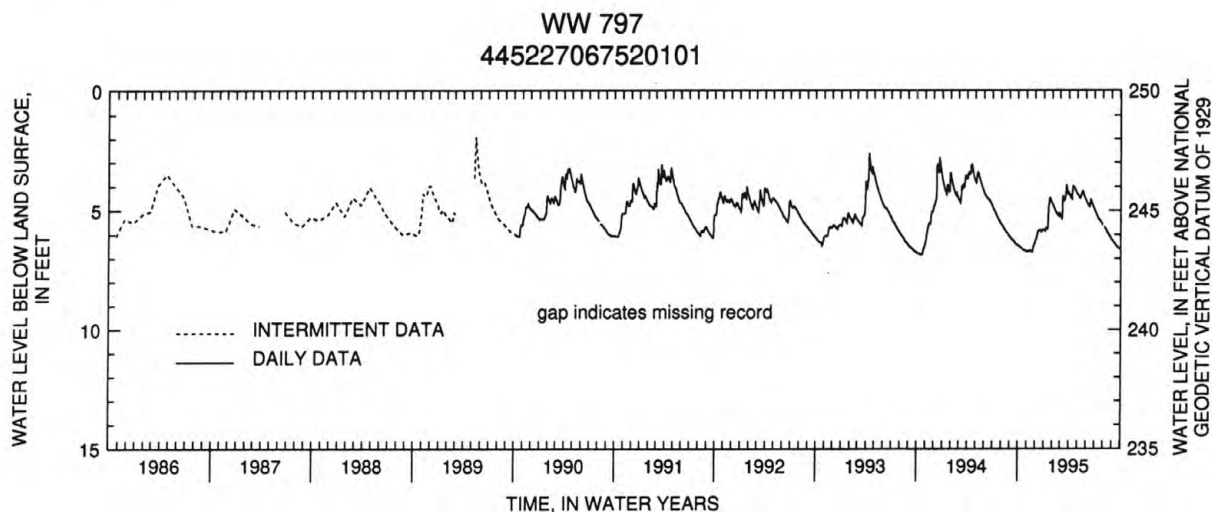
DATUM.--Elevation of land-surface datum is 250 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: V-notch on top of casing, north side of shelter, which is 3.42 ft above the general land surface.

PERIOD OF RECORD.--Sept. 1985 to current year. Records prior to Oct. 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, 1.84 ft below land-surface datum, May 14-15, 1989; lowest recorded, 6.84 ft below land-surface datum, Oct. 16 and 17 1993.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.47	6.70	6.30	5.80	4.73	5.20	4.27	4.30	4.57	4.92	m5.61	6.20
2	6.47	6.70	6.25	5.80	4.76	5.22	4.31	4.32	4.59	4.96	---	6.22
3	6.49	6.70	6.23	5.81	4.79	5.25	4.35	4.34	4.62	4.99	---	6.24
4	6.49	6.72	6.20	5.81	4.82	5.28	4.35	4.35	4.65	5.02	---	6.26
5	6.49	6.72	6.18	5.83	4.81	5.30	4.36	4.37	4.68	5.05	5.68	6.28
6	6.51	6.72	6.13	5.85	4.87	5.31	4.41	4.39	4.70	5.08	5.70	6.29
7	6.52	6.70	6.08	5.80	4.90	5.33	4.45	4.41	4.72	5.11	5.71	6.30
8	6.53	6.69	6.01	5.72	4.91	5.29	4.47	4.44	4.73	5.14	5.73	6.32
9	6.55	6.69	5.96	5.72	4.93	4.68	4.48	4.45	4.76	5.16	5.75	6.34
10	6.55	6.69	5.91	5.72	4.96	4.43	4.49	4.47	4.78	5.19	5.76	6.35
11	6.56	6.68	5.87	5.73	5.00	4.44	4.50	4.49	4.80	5.21	5.78	6.37
12	6.56	6.67	5.86	5.73	5.02	4.48	4.52	4.50	4.81	5.24	5.80	6.39
13	6.58	6.66	5.84	5.73	5.05	4.52	4.30	4.48	4.84	5.26	5.83	6.40
14	6.59	6.67	5.84	5.75	5.07	4.57	4.08	4.39	4.85	5.30	5.86	6.41
15	6.59	6.73	5.82	5.72	5.11	4.61	4.00	4.33	4.85	5.33	5.88	6.43
16	6.60	6.73	5.81	5.43	5.11	4.60	3.99	4.32	4.74	5.35	5.89	6.46
17	6.62	6.72	5.81	5.14	5.13	4.56	4.02	4.33	4.64	5.37	5.91	6.47
18	6.63	6.72	5.81	4.89	5.15	4.54	4.05	4.29	4.59	5.37	5.93	6.48
19	6.65	6.72	5.83	4.78	5.16	4.46	4.08	4.23	4.57	5.38	5.95	6.49
20	6.64	6.71	5.85	4.74	5.18	4.40	4.07	4.19	4.59	5.41	5.97	6.50
21	6.65	6.72	5.86	4.59	5.18	4.28	4.08	4.19	4.63	5.42	5.99	6.52
22	6.65	6.68	5.88	4.50	5.20	3.99	4.06	4.21	4.67	5.43	6.01	6.52
23	6.67	6.62	5.89	4.48	5.22	3.93	4.09	4.25	4.70	5.45	6.03	6.54
24	6.67	6.55	5.88	4.49	5.17	3.97	4.12	4.29	4.73	5.46	6.05	6.55
25	6.68	6.49	5.81	4.51	5.09	4.06	4.15	4.34	m4.77	5.48	6.06	6.56
26	6.68	6.46	5.81	4.54	5.13	4.15	4.18	4.39	4.80	5.49	6.09	6.57
27	6.67	6.43	5.81	4.58	5.17	4.20	4.21	4.42	4.84	5.51	6.11	6.58
28	6.69	6.41	5.80	4.62	5.17	4.26	4.24	4.46	4.86	5.53	6.13	6.59
29	6.69	6.37	5.79	4.66	---	4.29	4.27	4.47	4.88	5.56	6.16	6.61
30	6.69	6.34	5.80	4.68	---	4.31	4.29	4.51	4.90	5.58	6.17	6.61
31	6.71	---	5.80	4.71	---	4.30	---	4.55	---	5.60	6.19	---
LOW	6.71	6.73	6.30	5.85	5.22	5.33	4.52	4.55	4.90	5.60	---	6.61
HIGH	6.47	6.34	5.79	4.48	4.73	3.93	3.99	4.19	4.57	4.92	---	6.20
WTR YR 1995	HIGH 3.93 MAR 23 LOW 6.73 NOV 15,16											
m	Measured											



WASHINGTON COUNTY--Continued

444526068013301 Local number, WW 922

LOCATION.--Lat 44°45'26", long 68°01'53", Hydrologic Unit 01050002, about 1.0 mi north of Deblois. Owner: U.S. Geological Survey.

AQUIFER.--Glacial till of Pleistocene age.

WELL CHARACTERISTICS.--Wash-bored unconfined observation well, diameter 2 in., Sept. 1987 measured depth 42 feet, screened 25 to 40 feet, screen slot size 0.006 in.

INSTRUMENTATION.--Electronic water-level recorder--daily-mean values stored based on 24 hourly measurements.

DATUM.--Elevation of land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--Oct. 1987 to current year.

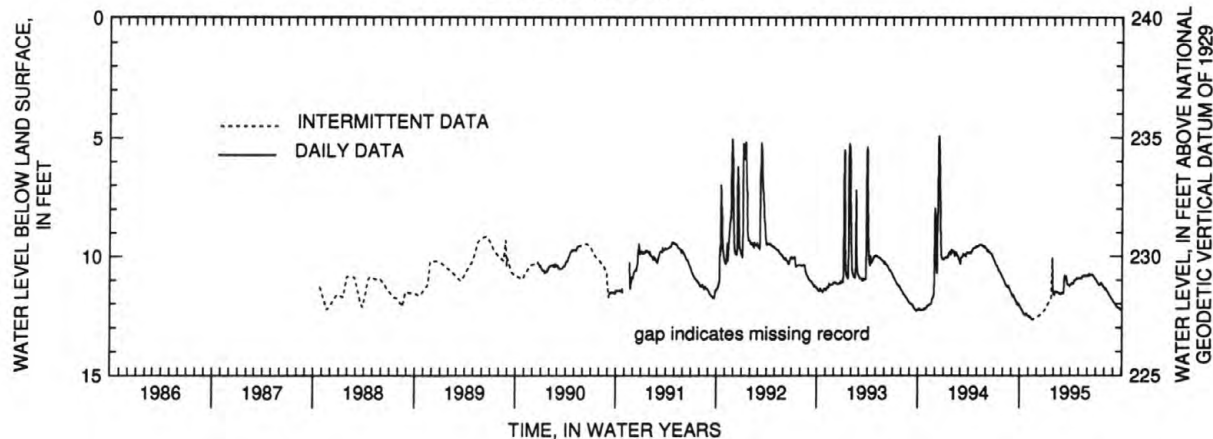
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.94 ft below land-surface datum, Dec. 15, 1993; lowest recorded, 12.68 ft below land-surface datum, Nov. 15, 1994.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.09	12.53	---	---	11.60	11.56	11.19	10.92	10.84	10.98	11.35	11.88
2	12.11	12.51	---	---	11.60	11.55	11.18	10.92	10.85	10.99	11.36	11.90
3	12.13	12.51	---	---	11.62	11.57	11.19	10.92	10.85	11.00	11.39	11.92
4	12.15	12.53	---	---	11.63	11.57	11.18	10.93	10.80	11.03	11.38	11.95
5	12.18	12.54	---	---	11.55	11.58	11.15	10.93	10.78	11.06	11.37	11.97
6	12.20	12.56	---	---	11.51	11.58	11.14	10.93	10.78	11.07	11.35	11.98
7	12.22	12.56	---	---	11.49	11.57	11.15	10.93	10.80	11.09	11.37	11.99
8	12.24	12.58	---	---	11.48	11.57	11.16	10.93	10.76	11.11	11.40	12.00
9	12.27	12.57	---	---	11.48	11.48	11.15	10.92	10.78	11.14	11.42	12.02
10	12.27	12.59	---	---	11.48	11.11	11.14	10.94	10.80	11.15	11.45	12.03
11	12.29	12.59	---	---	11.48	10.88	11.16	10.94	10.81	11.17	11.48	12.06
12	12.32	12.62	---	---	11.50	10.83	11.16	10.94	10.81	11.20	11.50	12.07
13	12.35	12.63	---	---	11.52	10.85	11.12	10.89	10.79	11.22	11.51	12.10
14	12.38	---	---	---	11.53	10.89	11.07	10.85	10.78	11.22	11.52	12.11
15	12.41	m12.68	---	---	11.52	10.91	11.02	10.86	10.78	11.21	11.55	12.13
16	12.43	---	---	---	11.52	10.92	11.01	10.85	10.76	11.19	11.57	12.16
17	12.44	---	---	---	11.53	10.90	11.01	10.84	10.76	11.19	11.59	12.16
18	12.47	---	---	---	11.55	10.87	11.02	10.82	10.76	11.17	11.62	12.16
19	12.48	---	---	---	11.56	10.93	11.02	10.80	10.76	11.13	11.65	12.15
20	12.50	---	---	---	11.56	11.06	10.99	10.80	10.77	11.11	11.67	12.16
21	12.50	---	---	---	11.58	11.14	10.97	10.80	10.79	11.12	11.69	12.16
22	12.45	---	---	---	11.59	11.16	10.96	10.81	10.81	11.14	11.69	12.18
23	12.42	---	m12.42	m11.80	11.60	11.18	10.96	10.83	10.83	11.15	11.71	12.18
24	12.42	---	---	---	11.60	11.19	10.94	10.81	10.85	11.17	11.73	12.19
25	12.42	---	---	---	11.58	11.21	10.92	10.83	10.87	11.20	11.75	12.20
26	12.44	m12.62	---	---	11.59	11.21	10.93	10.84	10.89	11.23	11.77	12.23
27	12.45	---	---	10.07	11.60	11.21	10.94	10.85	10.91	11.25	11.79	12.23
28	12.48	---	---	10.50	11.58	11.21	10.95	10.85	10.92	11.27	11.81	12.24
29	12.49	---	---	11.41	---	11.21	10.94	10.85	10.94	11.27	11.82	12.27
30	12.50	---	---	11.54	---	11.23	10.92	10.82	10.96	11.29	11.84	12.29
31	12.52	---	---	11.59	---	11.21	---	10.83	---	11.31	11.86	---
LOW	12.52	---	---	---	11.63	11.58	11.19	10.94	10.96	11.31	11.86	12.29
HIGH	12.09	---	---	---	11.48	10.83	10.92	10.80	10.76	10.98	11.35	11.88

WTR YR 1995 HIGHEST 10.76 JUNE 8,16-19 LOWEST 12.68 NOV 15
m Measured

**WW 922
444526068013301**



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--daily-mean values stored based on 24 hourly measurements.

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. Records prior to July 1988 have not been published, but are available in the files of the U.S. Geological Survey.

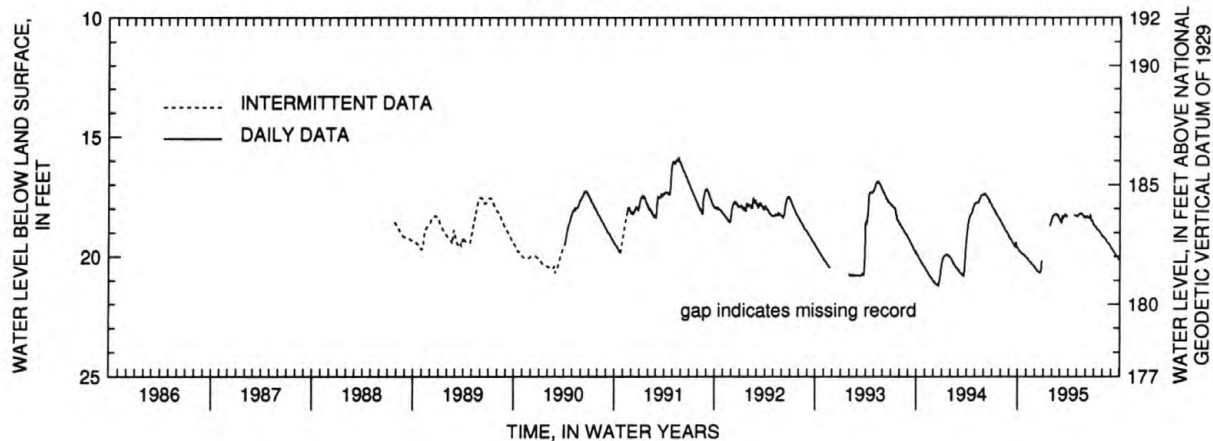
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 15.93 ft below land-surface datum, May 21 and 24, 1991; lowest measured, 23.90 ft below land-surface datum, Nov. 19, 1981.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.65	20.03	20.45	---	18.42	18.44	---	18.29	18.38	18.67	19.14	19.63
2	19.68	20.05	20.45	---	18.39	18.48	---	18.29	18.38	18.69	19.16	19.66
3	19.69	20.06	20.48	---	18.37	18.52	---	18.29	18.35	18.71	19.18	19.67
4	19.72	20.08	20.49	---	18.33	18.55	---	18.29	18.35	18.73	19.18	19.68
5	19.73	20.09	20.51	---	18.28	18.58	---	18.30	18.35	18.74	19.19	19.69
6	19.76	20.09	20.52	---	18.28	18.58	---	18.26	18.35	18.74	19.19	19.70
7	19.76	20.10	20.55	---	18.28	18.61	---	18.26	18.33	18.77	19.21	19.73
8	19.78	20.12	20.56	---	18.26	18.61	---	18.25	18.34	18.77	19.22	19.74
9	19.79	20.14	20.58	---	18.26	18.41	---	18.24	18.36	18.79	19.24	19.76
10	19.80	20.17	20.58	---	18.25	18.33	---	18.23	18.36	18.81	19.25	19.79
11	19.82	20.18	20.60	---	18.23	18.34	---	18.21	18.36	18.84	19.26	19.80
12	19.82	20.19	20.61	---	18.23	18.40	---	18.20	18.35	18.84	19.27	19.81
13	19.84	20.20	20.62	---	18.24	18.40	---	18.22	18.36	18.86	19.29	19.82
14	19.84	20.22	20.64	---	18.24	18.38	---	18.22	18.37	18.86	19.32	19.85
15	19.85	20.23	20.64	---	18.23	18.35	---	18.20	18.39	18.88	19.35	19.89
16	19.87	20.24	20.65	---	18.22	18.33	---	18.19	18.40	18.90	19.35	19.90
17	19.87	20.25	20.67	---	18.27	18.33	---	18.19	18.40	18.90	19.38	19.92
18	19.89	20.25	20.67	---	18.27	18.25	---	18.19	18.40	18.90	19.39	19.94
19	19.90	20.28	20.67	---	18.25	18.23	---	18.20	18.22	18.92	19.41	19.94
20	19.90	20.29	20.67	---	18.25	18.23	---	18.22	18.41	18.94	19.42	19.97
21	19.92	20.30	20.67	---	18.24	18.24	m18.24	18.24	18.46	18.95	19.43	19.98
22	19.93	20.31	20.62	---	18.30	18.26	18.26	18.25	18.48	18.97	19.45	20.00
23	19.93	20.33	20.61	---	18.32	18.28	18.27	18.29	18.50	18.97	19.48	20.01
24	19.94	20.34	20.56	m18.67	18.30	18.31	18.28	18.28	18.51	19.00	19.49	20.02
25	19.95	20.36	20.37	18.68	18.34	18.32	18.29	18.33	18.51	19.01	19.51	20.03
26	19.97	20.37	20.28	18.65	18.39	18.32	18.31	18.34	18.52	19.03	19.51	20.04
27	19.97	20.39	20.17	18.61	18.40	18.32	18.31	18.37	18.56	19.05	19.53	20.06
28	20.00	20.40	---	18.58	18.40	18.30	18.31	18.37	18.59	19.08	19.54	20.09
29	20.00	20.41	m19.83	18.56	---	---	18.31	18.35	18.66	19.11	19.55	20.11
30	20.02	20.43	---	18.51	---	m18.27	18.31	18.34	18.66	19.12	19.60	20.13
31	20.02	---	---	18.45	---	---	---	18.37	---	19.13	19.61	---
LOW	20.02	20.43	---	---	18.42	---	---	18.37	18.66	19.13	19.61	20.13
HIGH	19.65	20.03	---	---	18.22	---	---	18.19	18.22	18.67	19.14	19.63

WTR YR 1995 HIGHEST 18.19 MAY 16-18 LOWEST 20.67 DEC 17-21
m Measured

**YW 807
432310070393301**





Flood of March 1936
Gardiner, Maine

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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To obtain
<i>Length</i>		
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
<i>Area</i>		
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
<i>Volume</i>		
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
<i>Flow</i>		
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
<i>Mass</i>		
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.

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