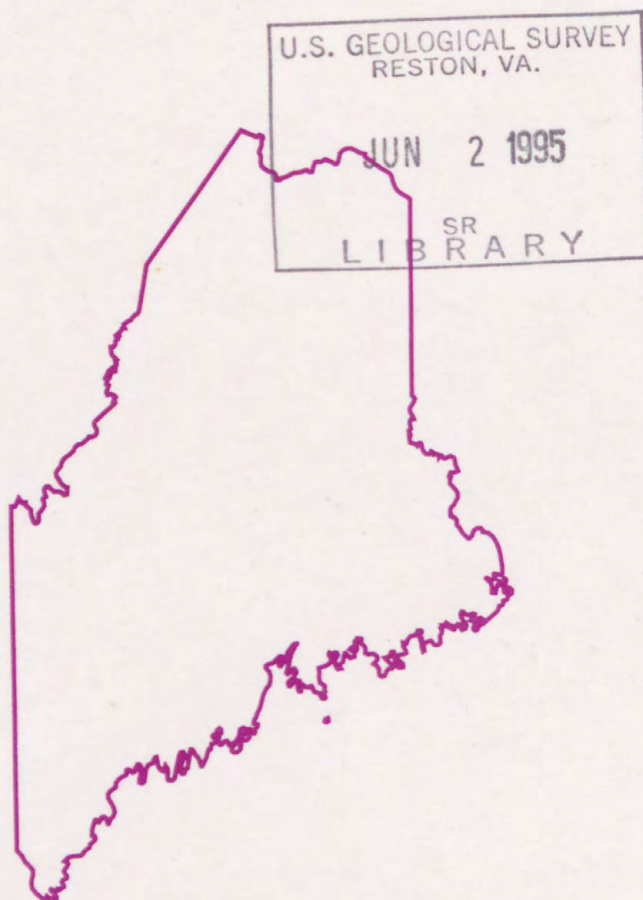


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Water Resources Data Maine Water Year 1994



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ME-94-1
Prepared in cooperation with the State of Maine
and with other agencies

CALENDAR FOR WATER YEAR 1994

1993

[illegible]

1994

JANUARY							FEBRUARY							MARCH						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
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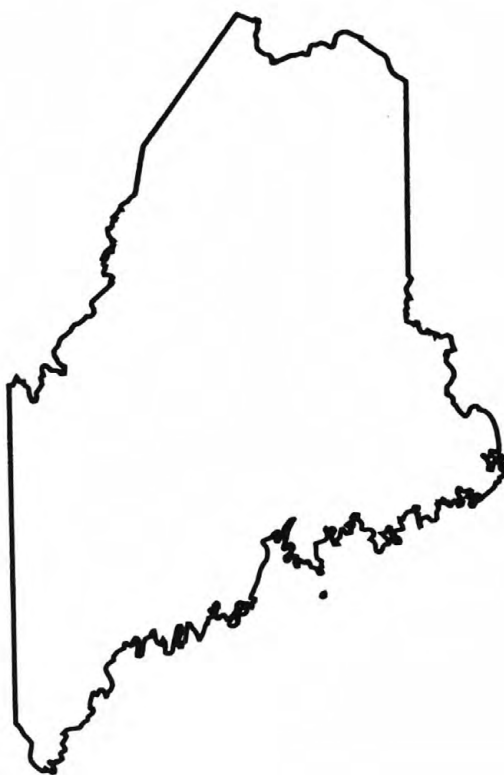
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17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
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Water Resources Data Maine Water Year 1994

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT ME-94-1
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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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 Derrill J. Cowing, Maine District Chief.

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13. ABSTRACT (Maximum 200 words) The Water Resources Division of the U.S. Geological Survey, in cooperation with State, Federal, and other local governmental agencies, obtains a large amount of data pertaining to the water resources of Maine each year. These data, accumulated during the many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. Water-resources data for the 1994 water year for Maine consists of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; water levels of ground-water wells; and precipitation amounts at selected sites. This report contains discharge records for 48 gaging stations, stage records for 1 lake; month-end contents for 15 lakes and reservoirs; water-quality data for 14 gaging stations; water levels for 31 ground-water wells; and daily precipitation totals at 1 site. Additional water data were collected at other sites, not part of the systematic data-collection program, and are published as miscellaneous measurements.				
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[Letters after station name designate type of data collected: (d) discharge, (c) chemical, (b) biological, (s) sediment, (p) physical, (m) water-quality monitor, (e) elevation, gage heights, or contents.]

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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
St. John River Basin			
Shields Branch Big Black River near Seven Islands, ME (d)	01010100	158	1977-80
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	1981-84
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	1951-83
Aroostook River at Fort Fairfield, ME (d)	01017500	2,201	1903-10
Marley Brook near Ludlow, ME (d)	01017900	1.47	1964-82
Meduxnekeag River near Houlton, ME (d)	01018000	175	1940-82
St. Croix River Basin			
St. Croix River near Baileyville, ME (d)	01020000	1,315	1919-83
Machias River Basin			
Machias River at Whitneyville, ME (d)	01021500	458	1905-09 1909-21 1929-77
East Machias River near East Machias, ME (d)	01022000	251	1926-26 1927-58
Pleasant River Basin			
Taylor Brook at the Great Heath, ME (d)	01022250	7.06	1980-82
Pleasant River near Epping, ME (d)	01022260	60.6	1980-91
Union River Basin			
West Branch Union River at Amherst, ME (d)	01023000	148	1916-39 1929-79
Garland Brook near Mariaville, ME (d)	01024200	9.79	1964-82
Green Lake Stream at Lakewood, ME (d)	01025000	47.0	1909-12 1912-13
Branch Lake Stream near Ellsworth, ME (d)	01026000	31.0	1909-13
Penobscot River Basin			
West Branch Penobscot River near Medway, ME (d)	01028000	2,115	1916-39
East Branch Penobscot River at Grindstone, ME (d)	01029500	1,086	1902-03 1904-06 1907-79 1979-82
Penobscot River near Mattawamkeag, ME (d)	01030000	3,356	1940-91
Mattawamkeag River at Mattawamkeag, ME (d)	01031000	1,500	1902-34
Morrison Brook near Sebec Corners, ME (d)	01031600	4.35	1964-77
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	1915-79
Cold Stream at Enfield, ME (d)	01035500	28.5	1904-07
Penobscot River at Passadumkeag, ME (d)	01036000	7,000	1938-58
Kenduskeag Stream near Kenduskeag, ME (d)	01036500	176	1941-79
Kenduskeag Stream near Bangor, ME (d)	01037000	195	1908-19
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
Kennebec River Basin			
Moose River near Rockwood, ME (d)	01039000	708	1919-25
Kennebec River at Moosehead, ME (d)	01041000	1,268	1919-82
Dead River near Dead River, ME (d)	01043500	516	1939-82
Dead River at The Forks, ME (d)	01045000	867	1902-07 1910-79
Austin Stream at Bingham, ME (d)	01046000	90.0	1931-69
Sandy River near Farmington, ME (d)	01047500	242	1910-15
Wilson Stream at East Wilton, ME (d)	01047730	45.8	1977-84
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	1977-79
Stony Brook near South Vassalboro, ME (d)	01049270	2.99	1979-80
Kennebec River at North Sidney, ME (d)	01049265	5,403	1979-93
North Branch Tanning Brook near Manchester, ME (d)	01049300	0.93	1963-83
Mill Stream at Winthrop, ME (d)	01049373	32.7	1978-92
Jock Stream at South Monmouth, ME (d)	01049396	13.7	1977-84
Cobbosseecontee Lake at East Winthrop, ME (e)	01049400	131	1976-92
Androscoggin River Basin			
Ellis River at South Andover, ME (d)	01054300	130	1963-82
Pennesseewassee Lake Outlet at Norway, ME (d)	01057510	30.3	1982-83
Thompson Lake Outlet at Oxford, ME (d)	01058005	47.7	1975-75 1976-78 1981-82
Little Androscoggin River near Auburn, ME (d)	01058500	328	1940-82
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	1952-55
Royal River Basin			
Collyer Brook near Gray, ME (d)	01059800	13.8	1964-82
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	1943-90
Little Ossipee River near South Limington, ME (d)	01066500	168	1940-82
Saco River at West Buxton, ME (d)	01067000	1,572	1909-16 1919-40
Saco River at Salmon Falls, ME (d)	01067500	1,595	1938-48
Mousam River Basin			
Littlefield River at Alfred, ME (d)	01068980	22.4	1978-80
Mousam River near West Kennebunkport, ME (d)	01069500	99.0	1939-84
Webhannet River Basin			
Blacksmith Brook at Wells, ME (d)	01069800	2.48	1975-76
Piscataqua River Basin			
Salmon Falls River near South Lebanon, ME (d)	01072500	140	1928-69

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	1,290	sc,wt	1976-80
St. John River at Dickey, ME	01010500	2,700	sc,wt	1975-80
St. John River at Dickey, ME	01010500	2,700	sd	1976
Allagash River near Allagash, ME	01011000	1,250	sc,wt	1975-80
Allagash River near Allagash, ME	01011000	1,250	sd	1976
St. John River above Fish River at Ft. Kent, ME	01012500	4,790	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
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
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
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 nitrogen); **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	1,290	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	161	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	2,700	c,e,n	1952-53(2), 1975(2), 1981(5)
Allagash River near Allagash, ME	01011000	1,250	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	871	c,e,n	1954(2)
St. John River below Fish River, at Ft. Kent, ME	01014000	5,665	c,e,n	1954-55(4)
Aroostook River at Fort Fairfield, ME	01017500	2,230	e	1971(1)
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)
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)
Machias River Basin				
Machias River at Whitneyville, ME	01021500	457	c,e,n	1952-53(2)
East Machias River near East Machias, ME	01022000	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)
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)

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--Continued				
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	7,000	c,e,n	1954(2)
Penobscot River at Orono, ME	-----	7,710	e	1971(1)
Kenduskeag Stream near Kenduskeag, ME	01036500	178	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	1,266	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	872	c,e,n	1952-53(2)
Austin Stream at Bingham, ME	01046000	90.3	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	514	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)
Kennebec River at North Sidney, ME	01049265	5,403	c,e,o,n,b,s	1979-93(105)
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)
Nezinscot River at Turner Center, ME	01055500	169	c,e,n,r	1955(2), 1961(3)
Little Androscoggin River near South Paris, ME	01057000	76.2	c,e,n	1958(5)
Little Androscoggin River near Auburn, ME	01058500	328	c,e,n,s	1953(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)
Androscoggin River Basin—Continued				
Androscoggin River near Auburn, ME	01059000	3,263	c,e,o,n,b,s	1952(1), 1954(2), 1956(1), 1966-75(117)
Androscoggin River at Brunswick, ME	01059400	3,434	c,e,o,n,b,s	1976-93(143)
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	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)

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	AQUIFER	PERIOD OF RECORD
440227070124101	AN 1	Androscoggin	Marine deposits - clay	1959-76
440438070261601	ANW 986	"	Ice-contact deposits	1976-83
440730070035303	ANW 988B	"	Ice-contact deposits	1976-83
440730070035304	ANW 988C	"	Outwash	1976-89
464619068280401	ARW 1	Aroostook	Glacial till	1943-83
464807068284401	ARW 1A	"	Bedrock	1976-91
455611068194601	ARW 2	"	Glacial till-bedrock	1943-70 1975-78
460657067512201	ARW 3	"	Bedrock	1958-75
460728067513201	AR 61	"	Ice-contact deposits	1980-83
460855067552201	AR 887	"	Glacial till	1976-81
464018068010101	ARW 904	"	Bedrock	1986-87
464239067574401	ARW 905	"	Bedrock	1986-90
464303067592201	ARW 907	"	Till	1986-91
444950068220601	HW 1	Hancock	Glacial till	1943-91
442023069553801	KW 88	Kennebec	Bedrock	1967-83
443647070552301	OW 400	Oxford	Glacial till	1944-92
441507070310201	OW 413	"	Outwash	1976-78
440642070583401	OW 615	"	Outwash	1978-91
442515070481001	OW 616	"	Outwash	1978-89
444720068523001	PEW 33	Penobscot	Bedrock	1958-60
444953068424701	PEW 401	"	Ice-contact deposits	1963-67
451047068512201	PEW 455	"	Glacial till	1975-83
451955068344501	PEW 457	"	Ice-contact deposits	1982-89
444219069545801	SMW 1	Somerset	Eolian deposits	1943-83
450234069525701	SMW 48	"	Ice-contact deposits	1981-83
454105070170201	SMW 49	"	Glacial till	1981-83
454105070170202	SMW 49A	"	Glacial till	1981-83
442858068593201	WOW 78	"	Ice-contact deposits	1981-83
442858068593202	WOW 79	"	Ice-contact deposits	1981-83
442822069080901	WOW 84	"	Glacial till	1989-91
444240067283501	WW 1	Washington	Bedrock	1958-83
444950067000501	WW 2	"	Terminal moraine deposits	1958-83
443754067384401	WW 901	"	Ice-contact deposits - till	1985-88
444500068011601	WW 921	"	Glacial till	1988-91
434822070482501	YW 1	York	Outwash	1943-83
432611070404601	YW 834	"	Glacial sand and gravel	1989-91



Flood of April 1987
Kennebec River at Augusta

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 48 gaging stations; stage records at 1 lake; month-end contents at 15 lakes and reservoirs; water quality data at 14 gaging stations; water levels at 31 observation wells; and daily precipitation totals at 1 site. 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-94-1." 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. 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.

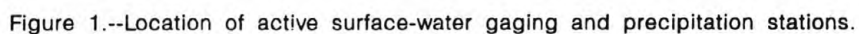
Additional information, including current prices, for ordering specific reports may be obtained from the District Office Chief at the address given on the back of the title page or by telephone (207) 622-8201. A limited number of CD-ROM discs will be available for sale by the Books and Open-File Reports 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:

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

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; by the U.S. Environmental Protection Agency for 2 gaging stations; and by the U.S. Veterans Administration in collecting records for 1 gaging station.



MAJOR RIVER BASINS

- A. St. John
- B. St. Croix
- C. Penobscot
- D. Kennebec
- E. Androscoggin
- F. Presumpscot
- G. Saco

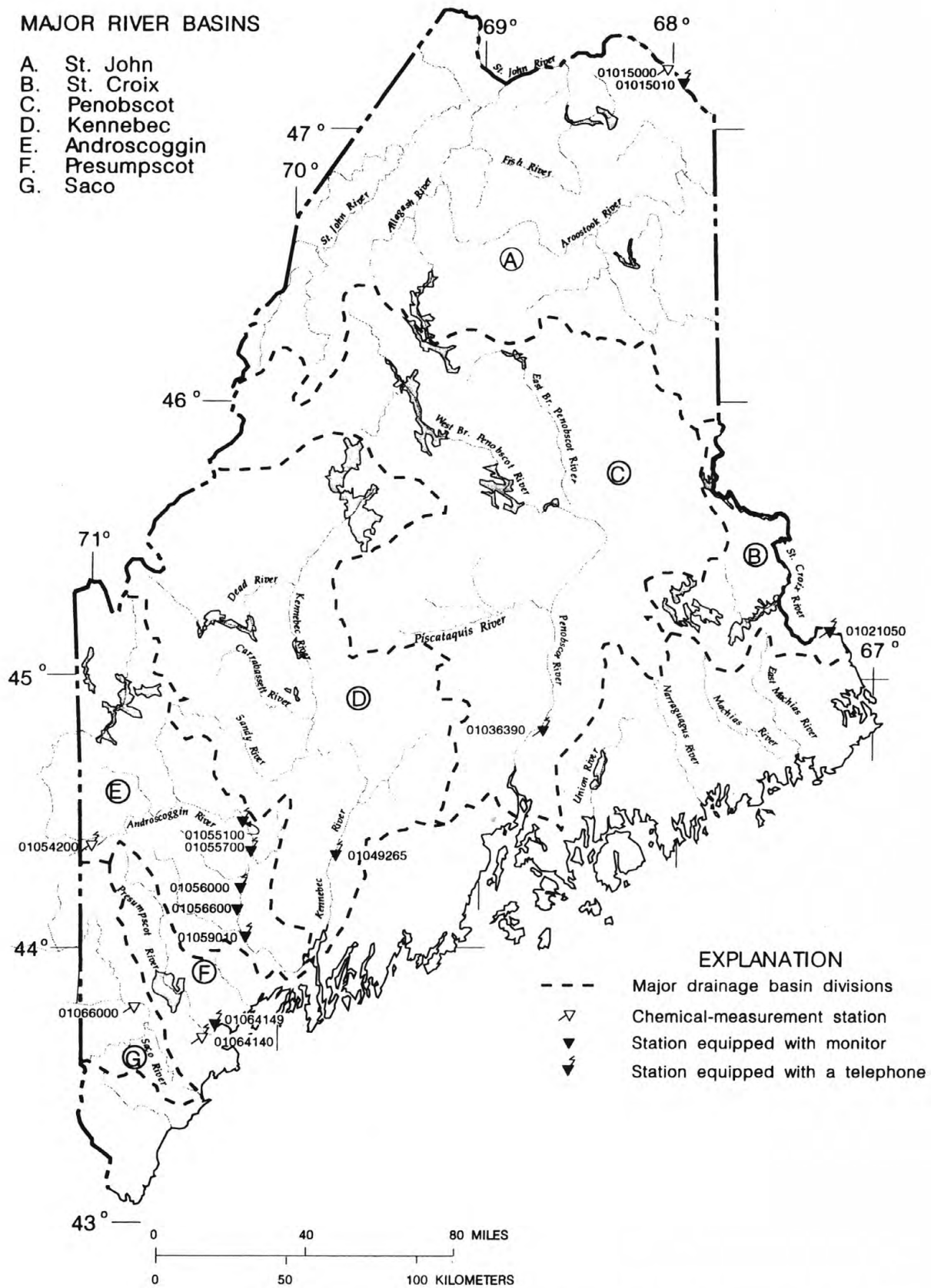


Figure 2.--Location of active surface-water quality data-collection stations.

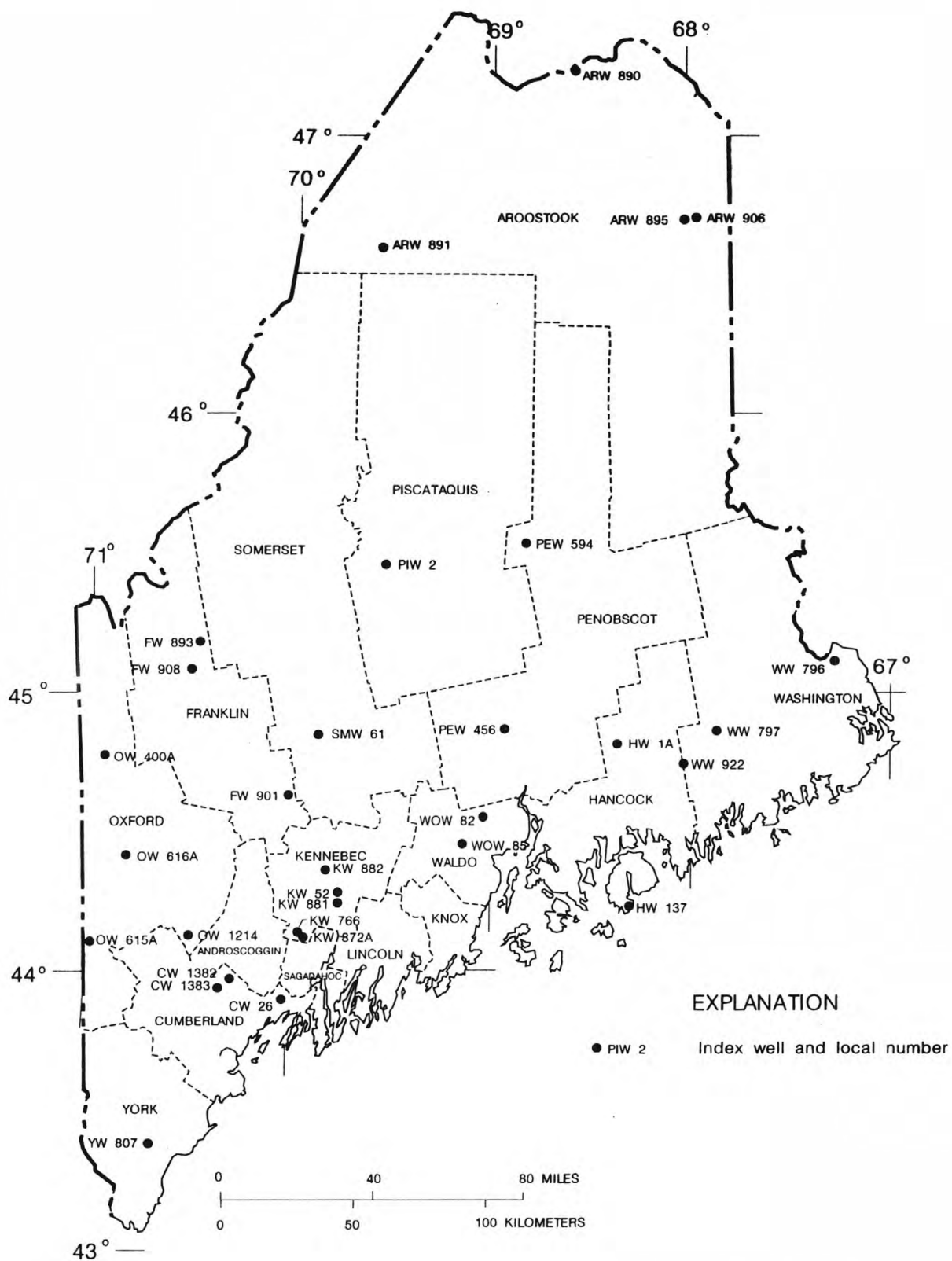


Figure 3.--Location of active ground-water data collection stations.

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
Cumberland Power Company
Gardiner Hydro Company
Georgia-Pacific Corporation
Kennebec Water Power Company
Maine Public Service Company
S. D. Warren Company
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 1994 water year was characterized by flows in the normal to above-normal range following the lower normal to below-normal flows in water year 1993 (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 normal range at 33 of 43 sites and in the above-normal range at 10 sites. Annual peak flows had less than a 2-year recurrence interval at 12 sites, a 2-year to 5-year recurrence interval at 20 sites, a 5-year to 10-year recurrence interval at 6 sites, a 10-year to 25-year recurrence interval at 4 sites, and a 25-year to 50-year recurrence interval at 1 site (station 01014000). The greatest recurrence interval peak flows were associated with the spring freshet in the St. John River basin in Northern Maine. Minimum flows at 15 sites were at flows which have been equaled or exceeded 99 percent of the time and minimum flows at 21 sites were at flows which have been equaled or exceeded 90 to 98 percent of the time. The 1994 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 seven reservoir systems in Maine totaled 114,351 million ft³ (cubic feet) at the beginning of the water year; this volume is 63 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 and December, and then began a steady seasonal decline to the 1994 water-year minimum at the end of March, when storage was 81,228

million ft³ (45 percent of capacity, and 117 percent of the long-term average storage at the end of March). Usable storage increased during April and May to the 1994 maximum of 173,181 million ft³ (96 percent of capacity and 106 percent of the long-term average storage at the end of June). Usable storage then decreased during June, July, August, and September. Usable storage at the end of the water year was 110,244 million ft³ (61 percent of capacity and 100 percent of long-term end-of-water-year average storage).

Precipitation, as reported by the National Weather Service, ranged from 97 to 116 percent of normal at 14 sites providing statewide precipitation data. Table 1 summarizes annual precipitation data at the 14 selected sites during the 1994 water year.

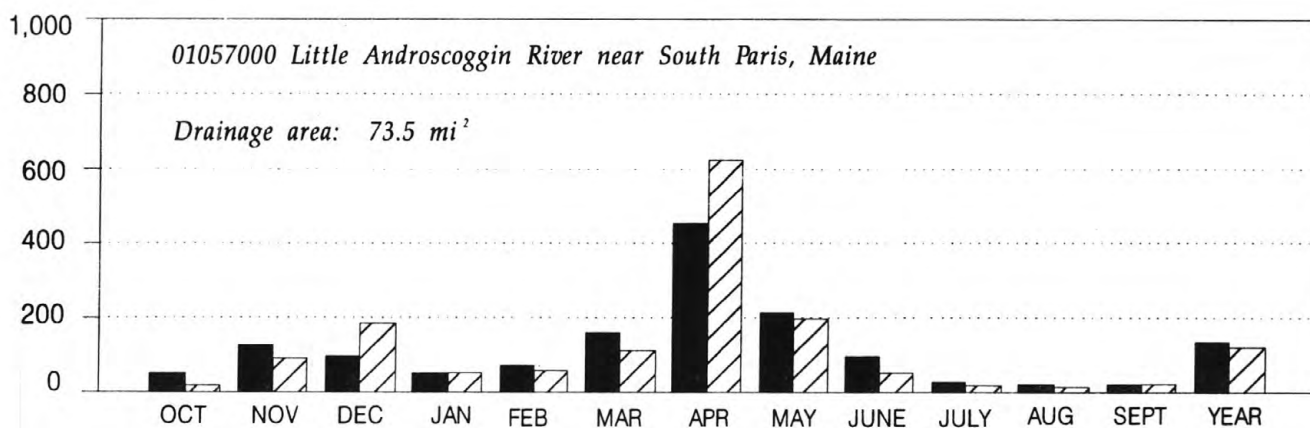
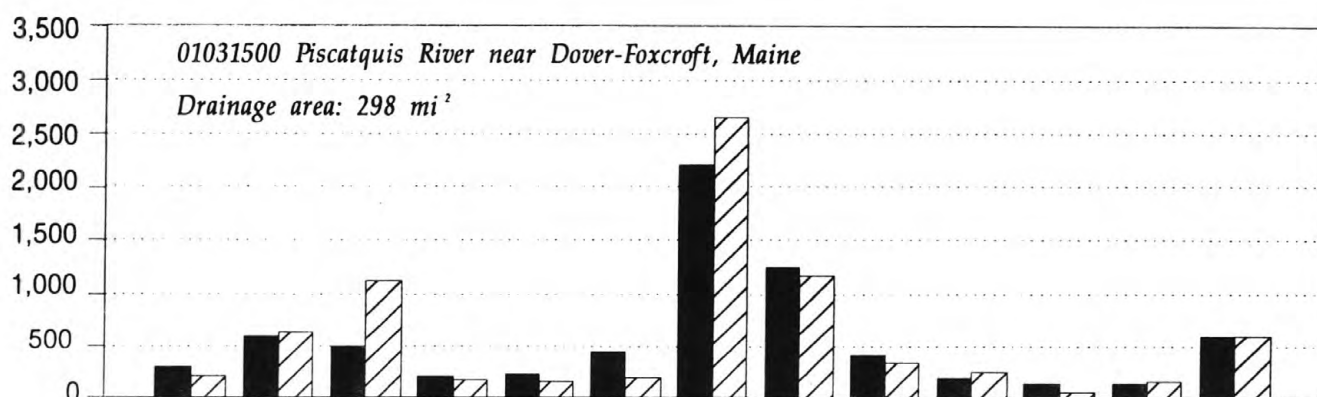
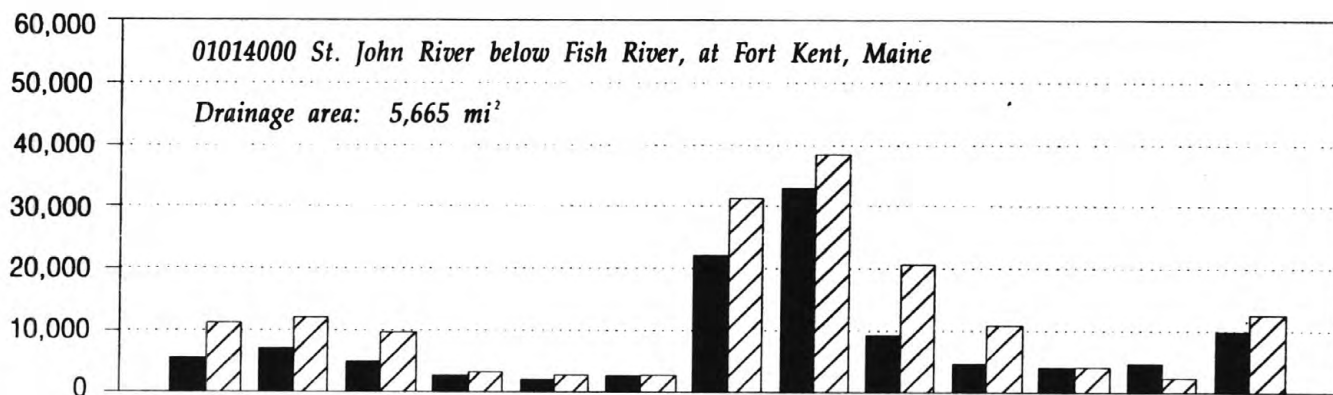
Table 1. --Precipitation at selected locations in Maine for the 1994 water year

Station Location	Precipitation		Departure (inches)	Percentage of normal
	Annual Oct.-Sept. (inches)	Normal Oct.-Sept. (inches)		
Fort Kent	40.02	36.11	3.91	111
Caribou	42.00	36.60	5.40	115
Presque Isle	40.31	35.25	5.06	114
Houlton	41.57	38.49	3.08	108
Brassua Dam	42.17	39.95	2.22	106
Jackman	43.00	37.41	5.59	115
Woodland	52.08	44.87	7.21	116
Eastport	48.79	43.37	5.42	112
Middle Dam	38.70	35.85	2.85	108
Rumford	47.31	43.12	4.19	110
Waterville	45.09	41.05	4.04	110
Gardiner	45.37	42.56	2.81	107
Lewiston	46.55	45.30	1.25	103
Portland	42.91	44.34	-1.43	97

The number of National Stream Quality Accounting Network (NASQAN) Stations was reduced from seven to five for water-year 1994. Stations Kennebec River at North Sidney and Androscoggin River at Brunswick were discontinued. 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.

The network of continuous recording monitoring stations for specific conductance, dissolved oxygen, water temperature and/or pH was expanded for water-year 1994. New stations were established on the Androscoggin River at

WATER RESOURCES DATA - MAINE 1994



■ Median of monthly and annual mean discharges for period 1961-90.

▨ Monthly and annual mean discharge for 1994 water year.

Figure 4.--Comparison of mean discharge at three long-term index gaging stations during 1994 water year with median discharge for period 1961-90.

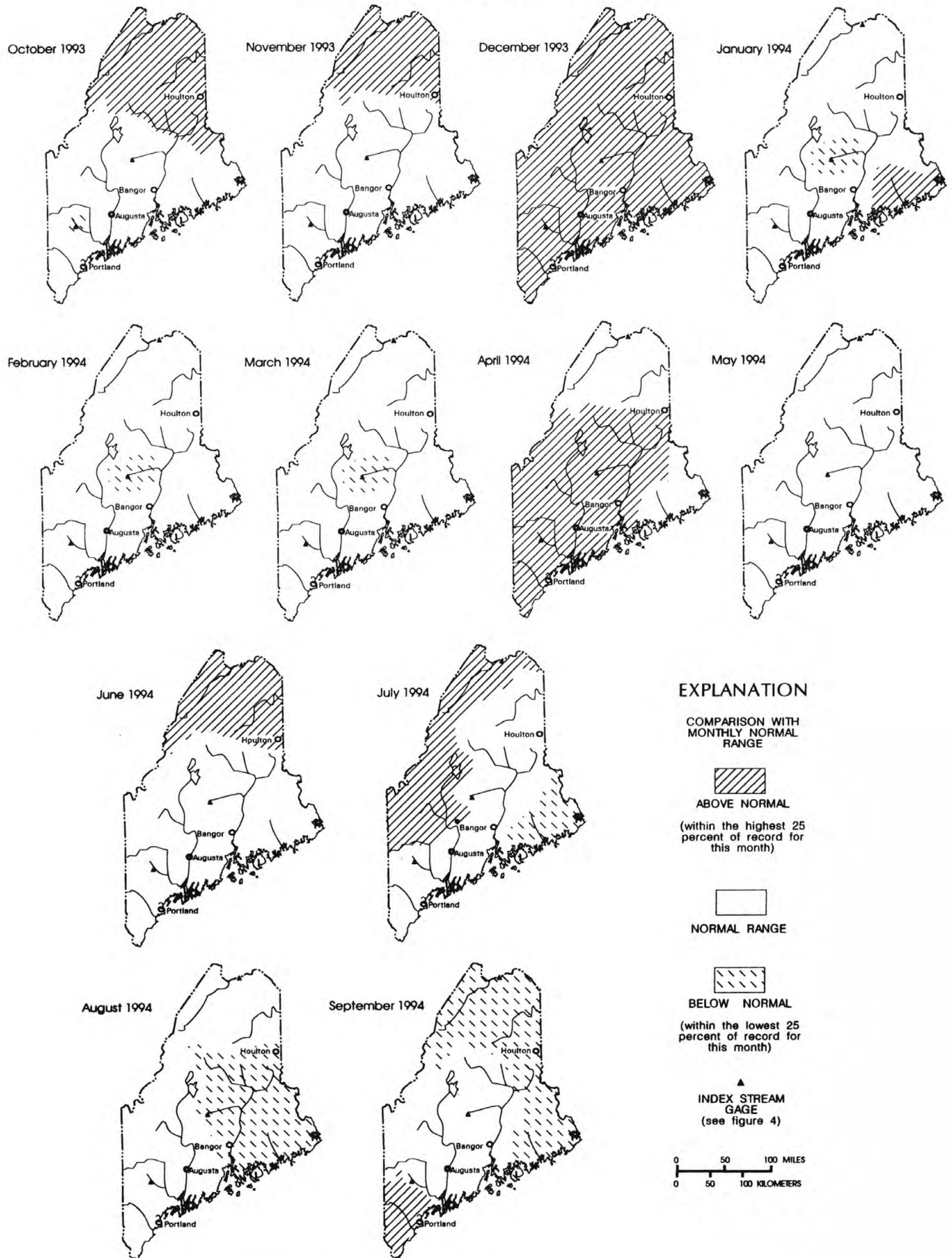


Figure 5.--Monthly surface-water conditions during the 1994 water year in Maine.

Jay and Turner Bridge. The Presumpscot River monitor was relocated from West Falmouth downstream 2.5 mi to Presumpscot Falls. The water temperature monitor for Wild River at Gilead (HBM) was discontinued.

In the Androscoggin River Basin, the continuous recording monitors at the 5 and 35-foot levels of Gulf Island Pond recorded new maximum and minimum dissolved oxygen and specific conductance values. A new maximum water temperature value was also recorded at the 5-foot level. New maximum pH values were recorded at the Gulf Island Pond 20-foot level and at Dressers Rips.

The ground-water observation well network consisted of 31 wells during the 1994 water year. Monthly ground-water levels for Maine are summarized in figure 6.

Record month-end ground-water levels were recorded during the water year at the following wells where data have been collected for at least 10 years. New record month-end low levels were recorded at Litchfield Fairgrounds (KW 766) in December, and Litchfield Condon (KW 872A) in October and June. Record month-end high levels were recorded at Clayton Lake (ARW 891) in September; at Acadia Park (H 137) in November, January, March, and June; Augusta No. 1 (KW 881) in December; Kenduskeag (PEW 456) in January; and Calais (WW 796) in December, January, and August.

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 natural or regional water-quality planning and management. The 284 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.

Radiochemical Program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1994 water year that began October 1, 1993, and ended September 30, 1994. 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.

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

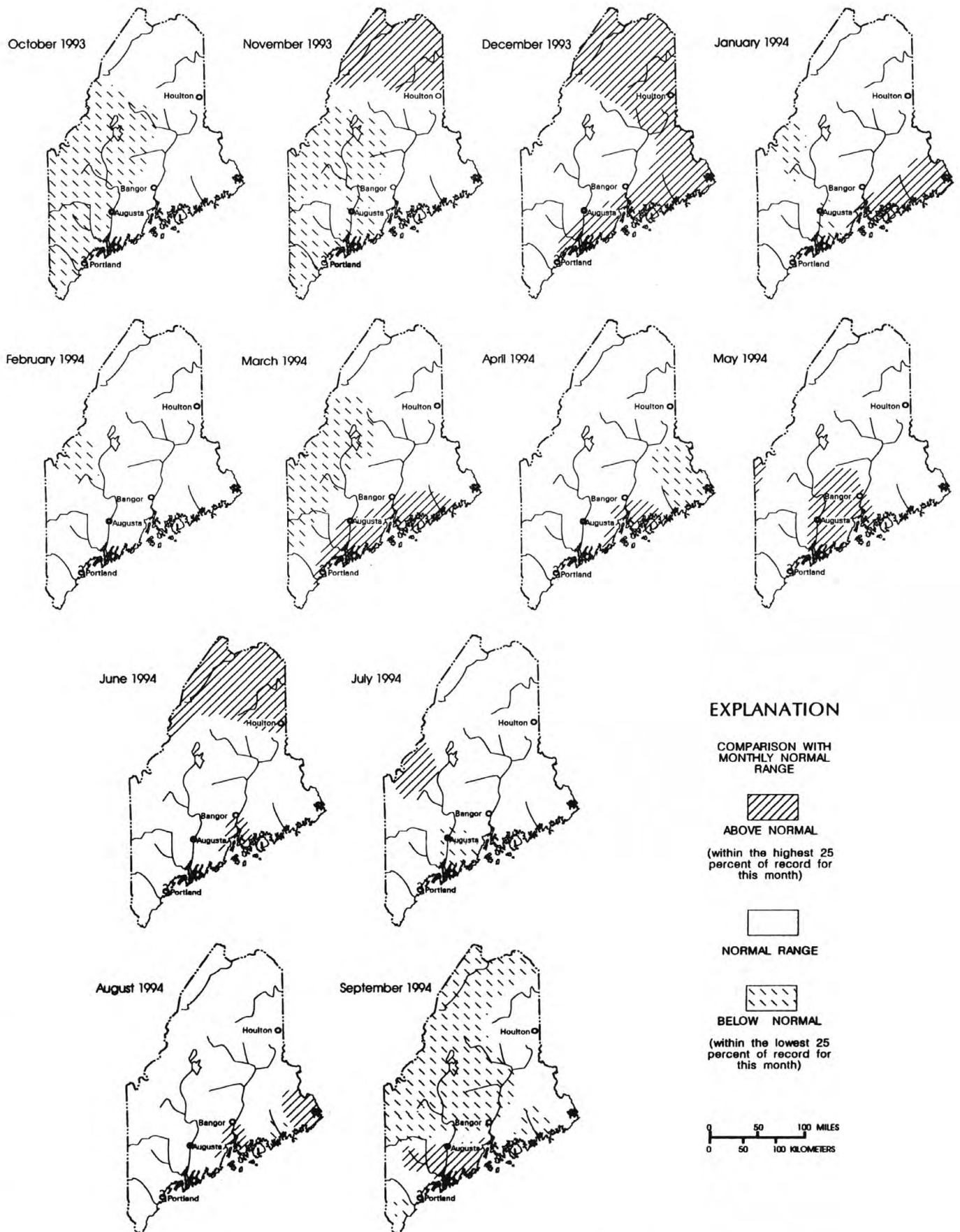


Figure 6.--Monthly ground-water conditions during the 1994 water year in Maine.

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.)

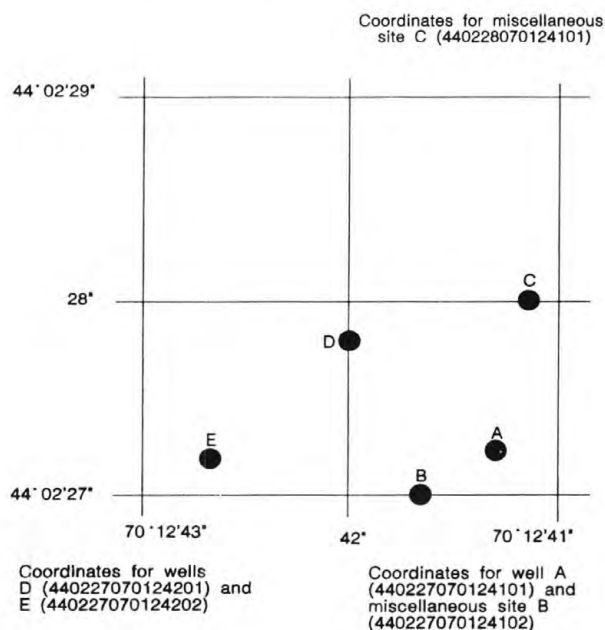


Figure 7.--System for numbering wells and miscellaneous sites (latitude and longitude).

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 in order to facilitate visual comparison between gaging stations.

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," and by listing the dates of the estimated record in the REMARKS paragraph of the station description.

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. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

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 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. Water temperatures measured at the time of water-discharge measurements are published with the miscellaneous temperature and specific conductance determinations.

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. 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 ($\mu\text{g/L}$) 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 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. Full implementation of the protocols will take place during the 1995 water year.

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	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).

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 22092

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 meth-

ods. 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).

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

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 occur-

rence 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 (ft³/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, μ S/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-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.
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- 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.
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- 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.
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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.

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.--Estimated daily discharges: Nov. 25-29, Dec. 1-4, 7-12, and Dec. 17 to Apr. 16. Records good, except for periods of ice effect, Nov. 25-29, Dec. 1-4, 7-12, and Dec. 17 to Apr. 16, and period of doubtful gage-height record, Jan. 31 to Mar. 14, 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, 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, 38,700 ft³/s, Apr. 17, gage height, 11.42; maximum gage height 18.81 ft, Apr. 16, (backwater from ice); minimum daily discharge, 226 ft³/s, Feb. 19.

**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	2070	1990	e2580	e635	e535	e1030	e539	18100	6530	3500	1060	531
2	1670	1870	e1920	e580	e593	e930	e540	20300	7270	3030	1050	434
3	2470	1750	e1710	e545	e630	e850	e532	19600	6120	3240	1890	373
4	3830	1660	e1620	e520	e637	e790	e621	17600	4780	3330	3290	323
5	4920	1790	1510	e484	e565	e730	e735	17500	3660	2560	3480	288
6	4020	5350	1440	e462	e490	e683	e900	15800	2900	2390	4140	303
7	3060	9320	e1360	e435	e432	e640	e1250	13800	2810	2570	2860	464
8	2450	7620	e1240	e410	e395	e607	e1500	13400	4080	2260	1960	580
9	2750	5590	e962	e390	e345	e572	e1900	13700	4430	2260	1410	627
10	4990	4290	e824	e378	e316	e540	e2290	14000	3420	2940	1070	718
11	5860	3490	e1520	e359	e291	e510	e3080	12600	2600	3310	864	955
12	4710	3010	e2910	e346	e270	e490	e4260	10700	2110	2680	719	1230
13	4120	2820	4110	e338	e254	e464	e5840	10200	2970	1940	627	1150
14	4290	2610	4250	e330	e246	e442	e9260	8790	6400	1480	674	947
15	3680	3400	3810	e318	e238	e442	e13600	7170	11500	1170	1680	781
16	3040	4590	2950	e312	e234	e450	e17400	6040	8270	985	1470	643
17	2630	4530	e2700	e302	e230	e491	28000	5260	5190	970	1080	568
18	3380	3810	e2340	e297	e228	e509	31100	4690	3450	881	801	648
19	4920	3140	e2050	e292	e226	e511	26000	4160	2890	959	633	781
20	4080	3450	e1800	e288	e320	e510	20300	3640	2640	1700	542	748
21	3540	4550	e1610	e284	e395	e504	16300	3150	2170	2020	502	655
22	9780	3910	e1420	e282	e530	e496	13100	2770	5130	1860	749	577
23	9870	3320	e1300	e278	e700	e491	10500	2660	6760	2460	798	498
24	7410	2700	e1180	e272	e890	e482	8740	2830	4630	2270	639	449
25	5560	e1740	e1090	e268	e1010	e489	8660	2490	3050	1950	514	456
26	4240	e971	e995	e263	e1090	e511	9440	2170	3510	1540	428	496
27	3350	e1130	e910	e261	e1120	e528	10300	2530	4590	2080	385	513
28	2880	e1600	e850	e260	e1110	e530	19000	5540	4260	2650	370	487
29	2640	e2980	e785	e317	---	e539	22100	6390	6230	2060	608	862
30	2410	3720	e730	e387	---	e544	19800	5640	4980	1660	1030	2060
31	2140	---	e670	e465	---	e541	---	5870	---	1300	688	---
TOTAL	126760	102701	55146	11358	14320	17846	307587	279090	139330	66005	38011	20145
MEAN	4089	3423	1779	366	511	576	10250	9003	4644	2129	1226	671
MAX	9870	9320	4250	635	1120	1030	31100	20300	11500	3500	4140	2060
MIN	1670	971	670	260	226	442	532	2170	2110	881	370	288
CFSM	3.05	2.55	1.33	.27	.38	.43	7.65	6.71	3.46	1.59	.91	.50
IN.	3.52	2.85	1.53	.32	.40	.50	8.53	7.74	3.87	1.83	1.05	.56

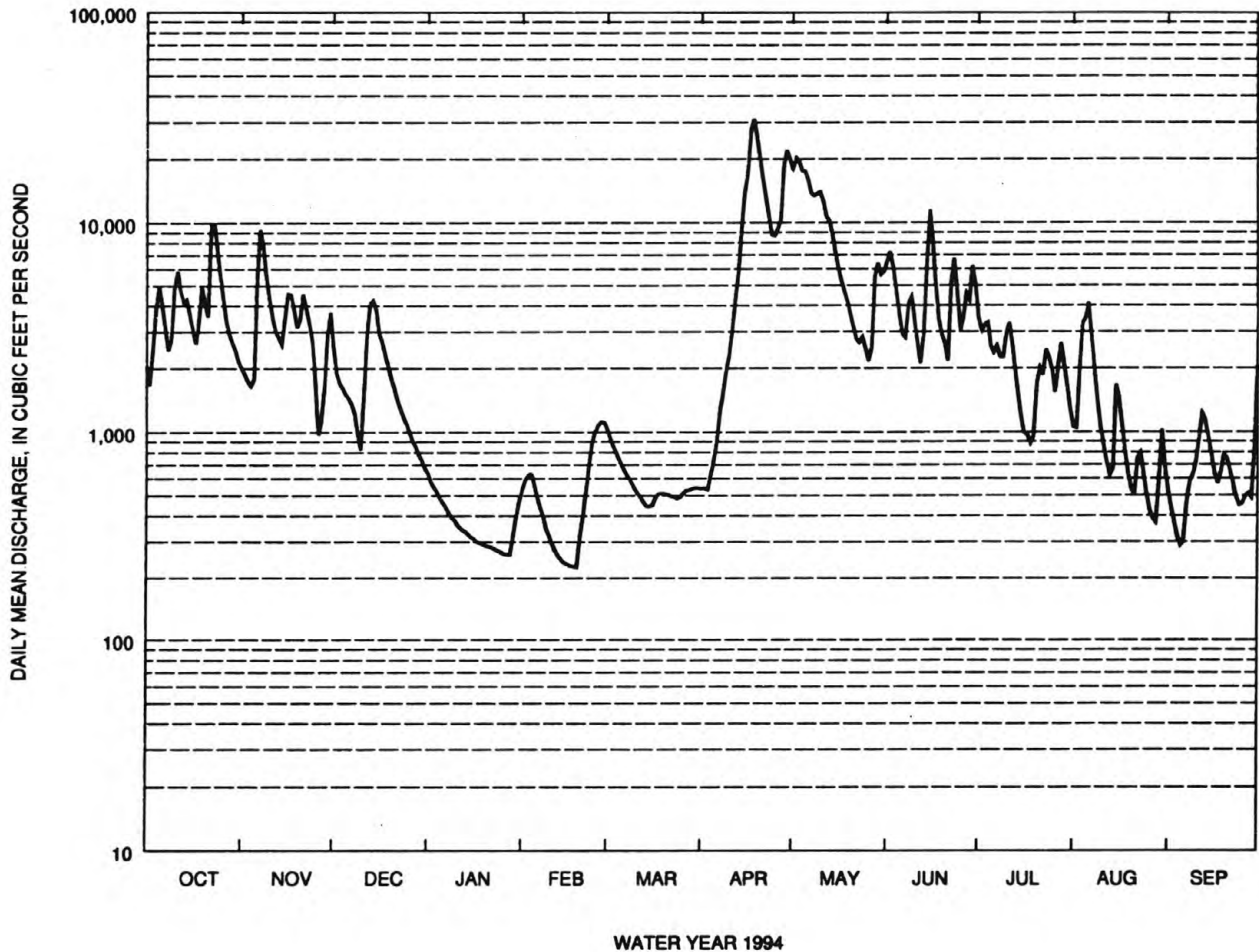
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01010000 ST. JOHN RIVER AT NINEMILE BRIDGE, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2016	2210	1340	653	577	882	7173	7248	2148	1368	1391	1354
MAX	6102	5717	4899	1624	1997	4296	13410	16550	4705	6845	5985	3930
(WY)	1991	1964	1951	1978	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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1951 - 1994	
ANNUAL TOTAL	941864		1178299			
ANNUAL MEAN	2580		3228		2367	
HIGHEST ANNUAL MEAN					3547	
LOWEST ANNUAL MEAN					1336	
HIGHEST DAILY MEAN	21900		31100		38600	
LOWEST DAILY MEAN	117		226		60	
ANNUAL SEVEN-DAY MINIMUM	122		237		66	
INSTANTANEOUS PEAK FLOW			38700		44400	
INSTANTANEOUS PEAK STAGE			18.81		23.00	
INSTANTANEOUS LOW FLOW					59	
ANNUAL RUNOFF (CFSM)	1.92		2.41		1.77	
ANNUAL RUNOFF (INCHES)	26.13		32.69		23.99	
10 PERCENT EXCEEDS	5860		7880		5930	
50 PERCENT EXCEEDS	1330		1660		978	
90 PERCENT EXCEEDS	206		376		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.---Estimated daily discharges: Nov. 13-14, Nov. 24 to Apr. 17, Apr. 19-25, May 17-19, and Aug. 9 to Sept. 7. Records good, except for periods of ice effect, Nov. 13-14, Nov. 24 to Apr. 17, Apr. 19-25, doubtful gage-height record, Aug. 9 to Sept. 7, and no gage-height record, May 17-19, 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, 7,420 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. 16	-----	*6,080	Ice Jam	May 02	0845	3,040	10.06
Apr. 17	0015	Ice Jam	*14.59	June 14	2230	2,530	9.34
Apr. 28	2200	3,070	10.09				

Minimum daily discharge, 25 ft³/s, Mar. 14, 15.

^a estimated daily discharge

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	203	229	e300	e85	e88	e90	e30	2040	1590	470	157	e53
2	172	218	e245	e80	e106	e78	e30	2970	1350	389	121	e41
3	540	204	e210	e77	e98	e64	e32	2480	1050	801	93	e35
4	681	200	e180	e72	e86	e56	e64	2030	763	876	79	e30
5	685	316	e165	e69	e75	e48	e74	2150	546	485	188	e29
6	497	969	e155	e66	e67	e42	e82	1820	413	543	253	e44
7	355	1120	e140	e62	e58	e37	e84	1520	436	515	166	e79
8	245	818	e130	e60	e51	e34	e85	1420	641	348	107	97
9	240	551	e125	e57	e44	e31	e140	1390	640	279	e75	83
10	598	417	e160	e55	e39	e29	e260	1300	448	289	e71	71
11	623	342	e250	e53	e36	e27	e490	1100	314	352	e80	103
12	451	302	e550	e51	e33	e26	e800	922	257	285	e63	166
13	427	e253	e540	e49	e31	e26	e1400	899	494	202	e51	151
14	454	e289	e460	e47	e30	e25	e2500	842	1600	149	e50	107
15	367	456	e390	e46	e29	e25	e4000	775	2260	121	e51	80
16	284	457	e340	e45	e29	e28	e6080	668	1340	197	e50	62
17	255	386	e300	e43	e28	e29	e5560	e577	689	206	e46	65
18	773	344	e270	e42	e28	e29	3810	e511	433	151	e37	103
19	930	303	e235	e41	e28	e29	e2180	e452	451	160	e36	116
20	687	490	e220	e40	e40	e29	e1600	396	393	188	e33	92
21	647	549	e198	e39	e60	e29	e1290	342	339	146	e58	80
22	1660	470	e180	e38	e79	e29	e1060	309	1090	247	e178	76
23	1430	334	e160	e37	e105	e28	e912	406	862	368	e146	70
24	903	e250	e148	e37	e150	e29	e774	437	503	280	e88	71
25	615	e185	e135	e36	e185	e30	e820	354	311	189	e56	79
26	456	e120	e125	e36	e155	e31	995	320	555	195	e43	94
27	370	e170	e118	e35	e133	e32	1330	557	558	456	e38	99
28	325	e290	e108	e36	e107	e31	2760	1090	894	333	e37	106
29	315	e480	e100	e42	---	e31	2610	1380	1000	235	e80	334
30	280	e380	e95	e54	---	e31	1960	1390	644	168	e110	511
31	245	---	e90	e69	---	e31	---	1600	---	129	e74	---
TOTAL	16713	11892	6822	1599	1998	1114	43812	34447	22864	9752	2715	3127
MEAN	539	396	220	51.6	71.4	35.9	1460	1111	762	315	87.6	104
MAX	1660	1120	550	85	185	90	6080	2970	2260	876	253	511
MIN	172	120	90	35	28	25	30	309	257	121	33	29
CFSM	3.15	2.32	1.29	.30	.42	.21	8.54	6.50	4.46	1.84	.51	.61
IN.	3.64	2.59	1.48	.35	.43	.24	9.53	7.49	4.97	2.12	.59	.68

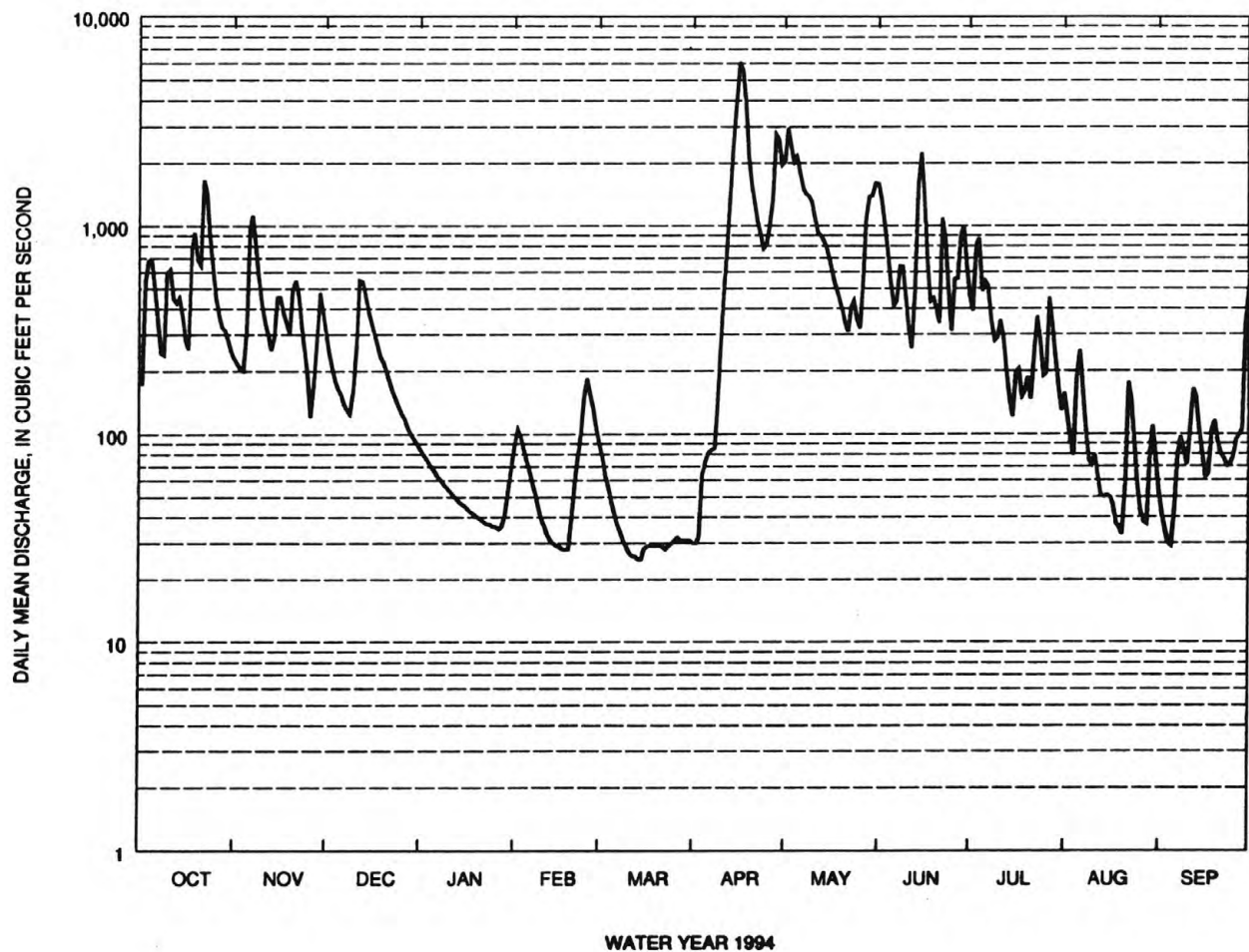
e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	313	335	203	89.7	73.9	195	1282	664	278	219	161	124
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1984 - 1994	
ANNUAL TOTAL	118163		156855			
ANNUAL MEAN	324		430		328	
HIGHEST ANNUAL MEAN					438	
LOWEST ANNUAL MEAN					157	
HIGHEST DAILY MEAN	4260		6080		6790	
LOWEST DAILY MEAN	16		25		7.4	
ANNUAL SEVEN-DAY MINIMUM	16		27		8.0	
INSTANTANEOUS PEAK FLOW					7420	
INSTANTANEOUS PEAK STAGE			14.59		15.62	
ANNUAL RUNOFF (CFSM)	1.89		2.51		1.92	
ANNUAL RUNOFF (INCHES)	25.71		34.12		26.07	
10 PERCENT EXCEEDS	799		1090		848	
50 PERCENT EXCEEDS	155		185		125	
90 PERCENT EXCEEDS	25		33		34	



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.--Estimated daily discharges: Nov. 24 to Dec. 3, and Dec. 9 to Apr. 16. Records good except for periods of ice effect, Nov. 24 to Dec. 3, and Dec. 9 to Apr. 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, 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. 15	1515	Ice Jam	*23.81	May 2	2245	44,400	12.77
Apr. 17	0430	*77,300	16.71	June 15	1530	28,200	10.32

Minimum daily discharge, 548 ft³/s, Sept. 5.

**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	4690	4980	e7460	e1690	e1000	e2000	e1180	36600	16500	9090	2770	1430
2	3820	4800	e6060	e1580	e1040	e1950	e1180	41400	17800	7600	2300	1070
3	3470	4400	e5170	e1490	e1090	e1860	e1180	42600	15700	8330	2120	847
4	5750	4160	4870	e1410	e1100	e1750	e1200	38700	12300	9280	3390	692
5	7120	4220	4660	e1330	e1110	e1620	e1240	38500	9130	7480	5150	586
6	7240	6600	4220	e1300	e1100	e1510	e1350	36800	7360	6770	6010	607
7	6360	15900	4100	e1250	e1050	e1400	e1640	33000	6790	6970	6030	688
8	5370	15800	3700	e1200	e970	e1290	e2290	31000	7390	6570	4460	762
9	4640	11400	e3100	e1150	e900	e1240	e2920	30300	9060	6190	3170	1030
10	5650	8410	e2710	e1110	e840	e1210	e3680	30800	7820	6270	2540	1190
11	8280	7170	e3790	e1080	e790	e1200	e4560	28700	6680	6790	2170	1530
12	7710	6580	e6490	e1050	e750	e1170	e5620	24500	5910	6630	1750	2060
13	6940	6230	e7210	e1010	e730	e1160	e7650	23300	5860	5670	1460	2620
14	6950	6080	e7500	e970	e710	e1150	e11500	20800	10200	4410	1360	2330
15	6800	6150	e7400	e950	e690	e1140	e20000	17400	25300	3480	1430	1840
16	6270	6950	e6700	e925	e680	e1150	e35000	14900	21500	2990	2550	1470
17	5510	7430	e5280	e900	e670	e1150	66400	13000	13400	2980	2340	1240
18	6000	7050	e4340	e880	e660	e1160	68500	11400	8500	2770	1790	1130
19	8920	6560	e3930	e860	e660	e1160	56500	9910	7440	2610	1360	1100
20	8600	6640	e3760	e845	e710	e1170	42300	8530	7200	3100	1090	1320
21	7210	7640	e3730	e830	e880	e1180	33700	7540	6460	3890	1040	1270
22	12400	7780	e3980	e815	e1200	e1180	27300	7060	8630	4240	1300	1110
23	20100	6950	e3590	e800	e1400	e1170	21900	6930	15000	5000	1760	964
24	15300	e6330	e3150	e785	e1620	e1160	17700	7030	11200	5690	1780	852
25	10800	e4950	e2850	e770	e1900	e1160	16100	6760	7490	4890	1320	778
26	8220	e3480	e2570	e760	e2020	e1170	17200	6330	7050	4670	1030	738
27	7050	e2920	e2390	e750	e2070	e1180	19000	6760	9260	5590	861	752
28	6460	e3540	e2180	e740	e2050	e1190	31700	10400	9080	6180	764	827
29	6180	e6020	e2020	e780	---	e1200	42800	14500	14200	5650	956	1020
30	5950	e8980	e1890	e860	---	e1190	40100	14000	13200	4430	1310	2920
31	5370	---	e1780	e930	---	e1190	---	14700	---	3530	2020	---
TOTAL	231130	206100	132580	31800	30390	40410	603390	634150	323410	169740	69381	36773
MEAN	7456	6870	4277	1026	1085	1304	20110	20460	10780	5475	2238	1226
MAX	20100	15900	7500	1690	2070	2000	68500	42600	25300	9280	6030	2920
MIN	3470	2920	1780	740	660	1140	1180	6330	5860	2610	764	586
CFSM	2.78	2.56	1.60	.38	.40	.49	7.50	7.63	4.02	2.04	.84	.46
IN.	3.21	2.86	1.84	.44	.42	.56	8.38	8.80	4.49	2.36	.96	.51

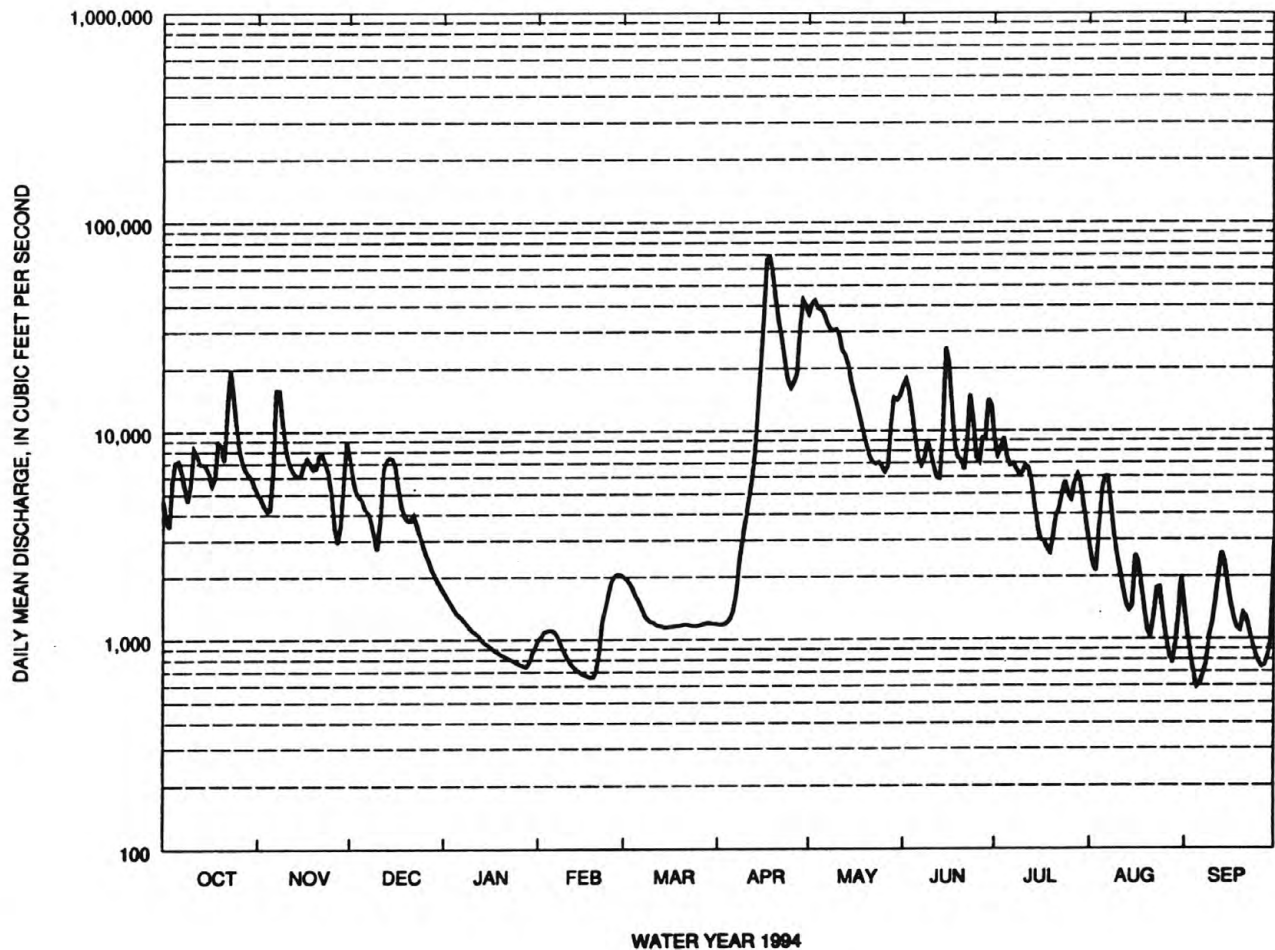
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01010500 ST. JOHN RIVER AT DICKEY, ME--Continued

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3741	4126	2644	1306	1103	1621	14250	15980	4625	2836	2695	2537
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	1870742		2509254			
ANNUAL MEAN	5125		6875		4799	
HIGHEST ANNUAL MEAN					7193	
LOWEST ANNUAL MEAN					2844	
HIGHEST DAILY MEAN	51600	Apr 13	68500	Apr 18	86800	Apr 29 1979
LOWEST DAILY MEAN	241	Mar 17	586	Sep 5	135	Sep 15 1948
ANNUAL SEVEN-DAY MINIMUM	248	Mar 11	683	Feb 14	142	Sep 11 1948
INSTANTANEOUS PEAK FLOW			77300	Apr 17	91700	Apr 29 1979
INSTANTANEOUS PEAK STAGE			23.81	Apr 15	37.89	Apr 9 1991
INSTANTANEOUS LOW FLOW			548	Sep 5	129	Sep 17 1948
ANNUAL RUNOFF (CFSM)	1.91		2.57		1.79	
ANNUAL RUNOFF (INCHES)	25.97		34.83		24.33	
10 PERCENT EXCEEDS	10800		16000		11900	
50 PERCENT EXCEEDS	2920		3790		2020	
90 PERCENT EXCEEDS	409		872		552	



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.--Estimated daily discharges: Nov. 25-28, Nov. 30 to Dec. 3, Dec. 9,10,13,14, 16-21, and Dec. 24 to Apr. 18. Records good except for periods of ice effect, Nov. 25-28, Nov. 30 to Dec. 3, Dec. 9,10,13,14, 16-21, and Dec. 24 to Apr. 18, which are fair. 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, 18,900 ft³/s, Apr. 18, gage-height, 10.14 ft; maximum gage-height, 12.98 ft, Apr. 16 (backwater from ice); minimum daily discharge, 475 ft³/s, Mar. 15.

**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	1290	2060	e2220	e1210	e1020	e680	e560	11600	4700	3820	1360	708
2	1210	1930	e2090	e1170	e900	e610	e555	12800	4920	4040	1250	681
3	1330	1700	e2010	e1120	e825	e590	e550	12800	4710	4200	1230	624
4	1600	1550	2010	e1110	e760	e575	e744	12600	4240	3660	1440	567
5	1570	1560	1960	e1080	e720	e560	e953	13300	3800	3020	1550	516
6	1490	2910	1900	e1070	e695	e545	e1050	12800	3480	2800	1620	537
7	1400	4200	1830	e1040	e680	e530	e1180	12300	3370	2580	1520	646
8	1320	4040	1770	e1030	e660	e520	e1300	12000	3750	2650	1380	663
9	1320	3520	e1550	e1010	e640	e510	e1500	12000	3740	2860	1250	601
10	1680	3100	e1550	e985	e625	e500	e1780	11800	3380	2760	1140	666
11	1910	2760	2060	e965	e615	e493	e2250	10300	3050	2630	1030	1010
12	1820	2500	4040	e950	e605	e485	e3250	9550	2820	2410	953	941
13	2090	2270	e3880	e930	e595	e481	e5800	9980	3300	2140	904	869
14	2490	2130	e3530	e900	e590	e478	e8680	9170	4410	1890	894	807
15	2280	2100	3340	e880	e585	e475	e10600	8340	6420	1680	977	749
16	2090	2080	e2800	e863	e580	e485	e13300	7650	5790	1550	1020	677
17	1980	2000	e2370	e850	e575	e580	e16700	6990	4860	1430	980	646
18	2150	1940	e2260	e838	e570	e575	e18100	6230	4100	1330	919	640
19	2320	1830	e2120	e822	e565	e572	14700	5520	4040	1320	832	618
20	2160	2410	e2070	e810	e560	e560	11800	4870	3770	1470	746	611
21	2140	3120	e2030	e795	e658	e540	10300	4370	3230	1580	714	611
22	3670	3080	2130	e785	e785	e545	8690	4020	4580	1840	743	589
23	4030	2990	1960	e770	e940	e570	7350	3970	4890	2270	729	571
24	3670	2780	e1700	e760	e1080	e605	6560	3820	4050	2110	658	559
25	3300	e2220	e1580	e750	e1140	e618	6420	3450	3440	1940	615	559
26	2920	e2100	e1520	e740	e1060	e620	6550	3220	3480	2020	603	551
27	2650	e2090	e1450	e730	e920	e615	7260	3570	3410	2350	627	540
28	2490	e2200	e1390	e725	e790	e605	10400	4660	3300	2330	655	560
29	2440	2680	e1350	e890	---	e595	11500	4580	4030	2030	797	723
30	2310	e2530	e1300	e1020	---	e590	11500	4250	3750	1770	804	1440
31	2140	---	e1260	e1100	---	e570	---	4560	---	1530	734	---
TOTAL	67260	74380	65030	28698	20738	17277	201882	247070	120810	72010	30674	20480
MEAN	2170	2479	2098	926	741	557	6729	7970	4027	2323	989	683
MAX	4030	4200	4040	1210	1140	680	18100	13300	6420	4200	1620	1440
MIN	1210	1550	1260	725	560	475	550	3220	2820	1320	603	516
CFM	1.77	2.02	1.71	.75	.60	.45	5.48	6.48	3.28	1.89	.81	.56
IN.	2.04	2.25	1.97	.87	.63	.52	6.11	7.48	3.66	2.18	.93	.62

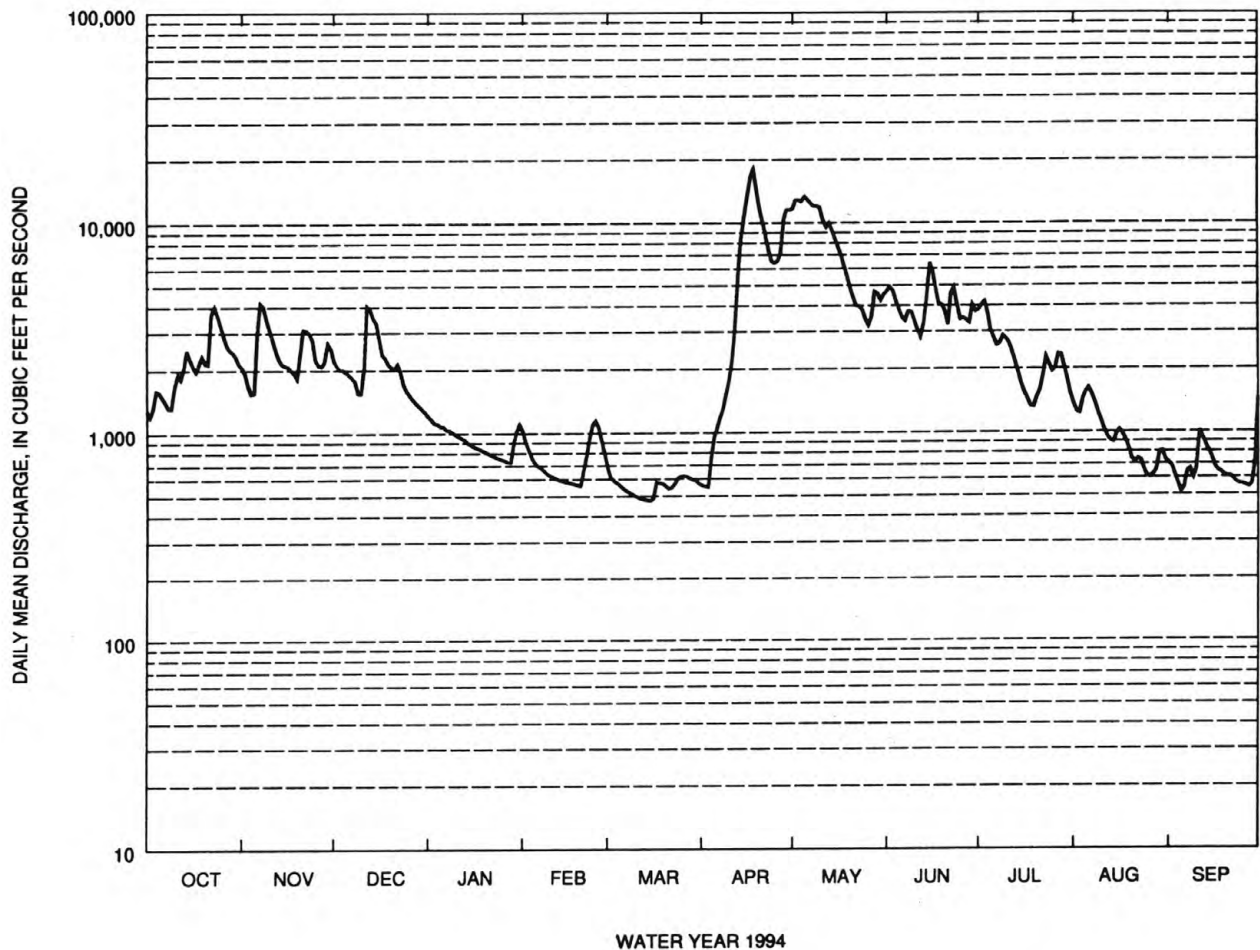
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01011000 ALLAGASH RIVER NEAR ALLAGASH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1339	1579	1182	701	570	732	4619	6607	2297	1430	1160	1079
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1931 - 1994	
ANNUAL TOTAL	744915		966309			
ANNUAL MEAN	2041		2647		1947	
HIGHEST ANNUAL MEAN					2899	
LOWEST ANNUAL MEAN					989	
HIGHEST DAILY MEAN	15000		18100		32100	
LOWEST DAILY MEAN	232		475		91	
ANNUAL SEVEN-DAY MINIMUM	235		485		91	
INSTANTANEOUS PEAK FLOW			18900		36900	
INSTANTANEOUS PEAK STAGE			12.98		19.78	
INSTANTANEOUS LOW FLOW					87	
ANNUAL RUNOFF (CFSM)	1.66		2.15		1.58	
ANNUAL RUNOFF (INCHES)	22.55		29.25		21.52	
10 PERCENT EXCEEDS	4060		5970		4700	
50 PERCENT EXCEEDS	1440		1570		980	
90 PERCENT EXCEEDS	283		578		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.--Estimated daily discharges: Jan. 7-12, Jan. 17 to Feb. 18, and Mar. 10-30. Records good, except for periods of doubtful gage-height record, Jan. 7-12, Jan. 17 to Feb. 18, and Mar. 10-30, which are fair.

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, 6,940 ft³/s, Apr. 19, gage height, 10.32 ft; minimum daily discharge, 142 ft³/s, Feb. 23.

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	367	730	890	514	e226	277	225	4100	1900	1340	503	176
2	374	721	950	510	e222	276	224	4360	2470	1330	476	169
3	380	684	940	503	e217	277	226	4590	2980	1430	447	165
4	380	656	926	493	e212	288	234	4610	3230	1580	422	158
5	388	641	910	479	e207	281	235	4670	3180	1630	413	153
6	403	685	871	464	e203	268	249	4890	2920	1580	392	163
7	413	785	826	e438	e198	254	276	5040	2630	1480	369	163
8	409	928	785	e417	e194	246	288	5020	2400	1430	352	164
9	406	1020	754	e396	e191	244	285	4950	2200	1380	342	166
10	423	1050	714	e374	e187	e222	286	4810	2030	1350	344	170
11	420	1020	744	e357	e184	e208	305	4620	1860	1330	326	180
12	429	969	851	e337	e181	e198	321	4360	1700	1280	307	182
13	455	919	931	335	e178	e187	361	4110	1580	1200	291	180
14	459	863	1000	329	e175	e180	502	3820	1620	1090	285	180
15	466	831	1020	325	e172	e177	830	3570	1930	1000	275	179
16	475	828	997	323	e170	e173	1790	3390	2210	926	260	174
17	481	819	938	e316	e167	e170	3950	3230	2180	880	248	177
18	510	812	873	e307	e164	e177	6140	3040	2000	862	241	177
19	534	781	817	e298	162	e194	6860	2840	1910	861	232	175
20	584	800	771	e290	154	e201	6190	2600	1760	829	223	169
21	637	827	735	e283	151	e205	5320	2390	1620	796	224	166
22	714	868	726	e275	145	e201	4570	2200	1560	782	226	166
23	794	883	694	e270	142	e198	3970	2030	1530	752	218	163
24	879	871	656	e265	170	e194	3440	1860	1460	729	206	158
25	923	811	617	e260	225	e201	3020	1730	1370	685	199	158
26	902	752	589	e254	246	e212	2740	1650	1300	657	200	153
27	874	692	562	e251	261	e222	2650	1630	1240	634	197	150
28	836	664	537	e245	272	e226	2970	1600	1240	610	198	156
29	800	708	524	e237	---	e230	3460	1630	1270	589	201	166
30	766	793	520	e233	---	e229	3910	1640	1330	563	195	175
31	743	---	519	e230	---	227	---	1680	---	531	187	---
TOTAL	17624	24411	24187	10608	5376	6843	65827	102660	58610	32116	8999	5031
MEAN	569	814	780	342	192	221	2194	3312	1954	1036	290	168
MAX	923	1050	1020	514	272	288	6860	5040	3230	1630	503	182
MIN	367	641	519	230	142	170	224	1600	1240	531	187	150
CFSM	1.08	1.55	1.49	.65	.37	.42	4.19	6.32	3.73	1.98	.55	.32
IN.	1.25	1.73	1.72	.75	.38	.49	4.67	7.29	4.16	2.28	.64	.36

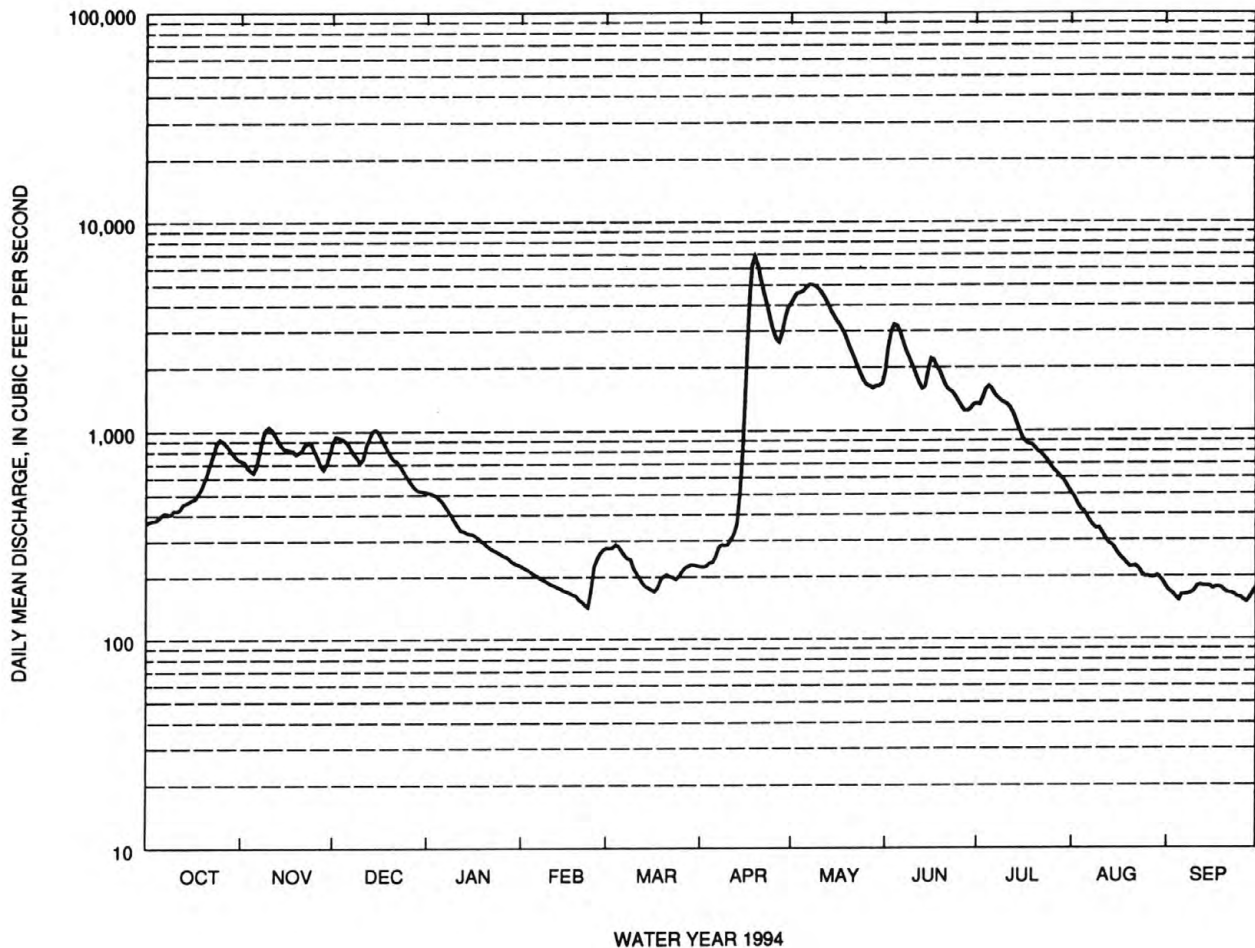
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01011500 ST. FRANCIS RIVER AT OUTLET OF GLASIER LAKE, NEAR CONNORS, NEW BRUNSWICK—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	564	711	528	316	267	301	2149	3414	998	531	467	405
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1952 - 1994	
ANNUAL TOTAL	300878		362292		890	
ANNUAL MEAN	824		993		1285	
HIGHEST ANNUAL MEAN					485	
LOWEST ANNUAL MEAN					1958	
HIGHEST DAILY MEAN	6240		Apr 14	6860	Apr 19	14500
LOWEST DAILY MEAN	109		Mar 13	142	Feb 23	60
ANNUAL SEVEN-DAY MINIMUM	110		Mar 20	155	Feb 17	65
INSTANTANEOUS PEAK FLOW				6940	Apr 19	15000
INSTANTANEOUS PEAK STAGE				10.32	Apr 19	15.39
ANNUAL RUNOFF (CFSM)	1.57			1.89		1.70
ANNUAL RUNOFF (INCHES)	21.36			25.72		23.08
10 PERCENT EXCEEDS	1760			2690		2120
50 PERCENT EXCEEDS	508			514		428
90 PERCENT EXCEEDS	125			177		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.--Estimated daily discharges: Dec. 27 to Apr. 9. Records good except for period of ice effect, Dec. 27 to Apr. 9, 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, 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, 8,040 ft³/s, May 9, gage height, 8.42 ft; minimum discharge, 234 ft³/s, Sept. 5,6, gage height, 2.47 ft.

**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	497	1510	1740	e1490	e655	e475	e382	6600	3550	2660	828	287
2	511	1520	1690	e1410	e650	e465	e400	7000	3920	2630	785	269
3	573	1490	1650	e1360	e640	e455	e406	7050	3980	2590	756	256
4	603	1440	1610	e1300	e625	e450	e435	7170	3960	2410	737	244
5	610	1460	1610	e1270	e610	e440	e446	7410	3880	2280	715	234
6	606	1760	1570	e1210	e595	e435	e474	7620	3760	2190	682	239
7	614	1900	1530	e1170	e585	e420	e504	7740	3630	2060	656	266
8	600	1970	1480	e1140	e575	e400	e535	7760	3680	1980	632	263
9	612	2010	1410	e1080	e565	e395	e567	7960	3550	1960	609	265
10	667	2030	1370	e1050	e555	e400	602	7990	3420	1880	588	319
11	673	2030	1920	e1020	e545	e385	666	7820	3290	1780	553	319
12	687	2010	2770	e980	e535	e365	714	7660	3150	1670	522	313
13	791	1980	2920	e950	e520	e345	855	7500	3060	1550	505	313
14	845	1960	3120	e920	e515	e330	1380	7270	3110	1440	496	311
15	875	1950	3200	e900	e505	e330	2120	6980	3210	1350	484	305
16	908	1930	3190	e875	e500	e328	3210	6640	3190	1270	452	305
17	933	1880	3120	e850	e485	e325	5260	6290	3090	1180	434	315
18	1000	1810	3030	e835	e480	e321	6070	5950	3190	1120	410	313
19	1000	1780	2890	e815	e485	e320	6570	5630	3440	1070	392	306
20	1010	1990	2790	e800	e500	e321	6720	5270	3350	1000	377	298
21	1090	2010	2670	e790	e515	e323	6770	4900	3260	945	384	290
22	1390	2020	2790	e780	e520	e316	6630	4560	3360	923	394	284
23	1460	2000	2630	e770	e525	e312	6400	4340	3310	913	370	278
24	1560	1960	2470	e765	e520	e310	6160	4070	3200	897	357	271
25	1600	1880	2360	e755	e515	e309	5940	3830	3060	866	339	263
26	1620	1800	2260	e740	e500	e314	5770	3610	2980	874	328	258
27	1630	1710	e2040	e735	e485	e320	5780	3730	2820	930	316	254
28	1630	1700	e1910	e720	e480	e329	6140	3770	2730	895	310	277
29	1620	1900	e1810	e700	---	e340	6240	3650	2650	896	353	337
30	1590	1800	e1700	e685	---	e350	6410	3560	2560	871	320	351
31	1530	---	e1600	e670	---	e368	---	3560	---	853	301	---
TOTAL	31335	55190	68850	29535	15185	11296	100556	184890	99340	45933	15385	8603
MEAN	1011	1840	2221	953	542	364	3352	5964	3311	1482	496	287
MAX	1630	2030	3200	1490	655	475	6770	7990	3980	2660	828	351
MIN	497	1440	1370	670	480	309	382	3560	2560	853	301	234
CFSM	1.16	2.11	2.54	1.09	.62	.42	3.84	6.83	3.79	1.70	.57	.33
IN.	1.34	2.35	2.93	1.26	.65	.48	4.28	7.88	4.23	1.96	.66	.37

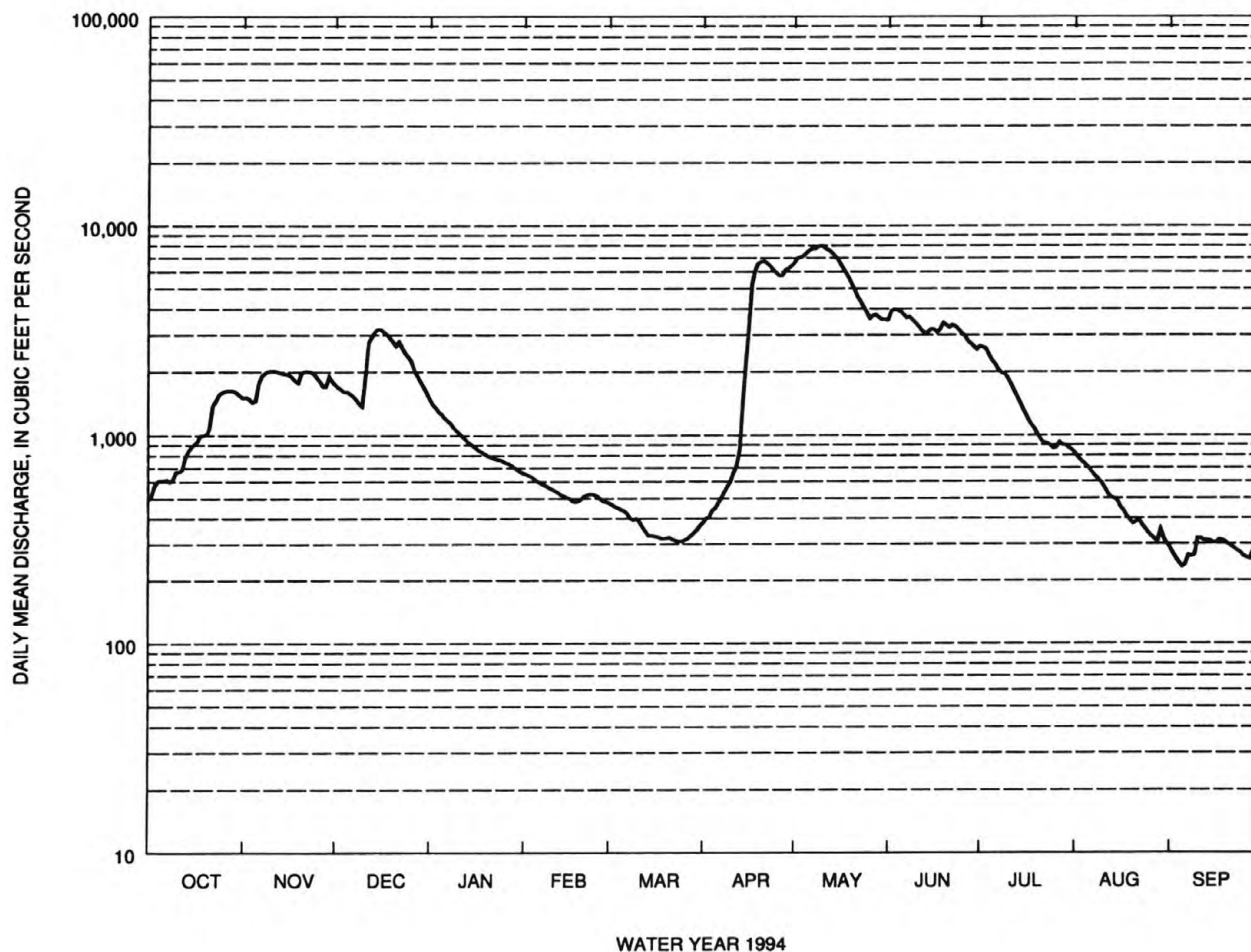
e Estimated

01013500 FISH RIVER NEAR FORT KENT, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	796	1207	1065	613	475	548	3050	5140	1829	966	702	592
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1903 - 1994	
ANNUAL TOTAL	535154		666098			
ANNUAL MEAN	1466		1825		1420	
HIGHEST ANNUAL MEAN					2175	
LOWEST ANNUAL MEAN					773	
HIGHEST DAILY MEAN	7430		7990		15600	
LOWEST DAILY MEAN	225		234		46	
ANNUAL SEVEN-DAY MINIMUM	228		252		49	
INSTANTANEOUS PEAK FLOW			8040		15800	
INSTANTANEOUS PEAK STAGE			8.42		12.43	
INSTANTANEOUS LOW FLOW			234		34	
ANNUAL RUNOFF (CFSM)	1.68		2.09		1.63	
ANNUAL RUNOFF (INCHES)	22.80		28.38		22.10	
10 PERCENT EXCEEDS	3440		4430		3580	
50 PERCENT EXCEEDS	645		1000		721	
90 PERCENT EXCEEDS	260		320		223	



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.--Estimated daily discharges: Dec. 24 to Apr. 15, and Apr. 17,18. Records good except for period of ice effect Dec. 24 to Apr. 15, and periods of no gage-height record, Jan. 1-4 and Apr. 17,18, 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. 17	0530	*144,000	*26.60	May 3	0445	68,500	18.15

Minimum discharge, 1,700 ft³/s, Sept. 6, gage height 2.09 ft.

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	6820	9150	13300	e4750	e2910	e3900	e2470	58800	26000	19000	5950	3100
2	5930	8860	11800	e4600	e2970	e3700	e2470	63500	28800	17100	5240	2600
3	5530	8200	10900	e4400	e2980	e3500	e2480	67400	28300	17500	4810	2230
4	6600	7670	10100	e4300	e3000	e3320	e2490	63800	25400	18000	4930	1970
5	9230	7580	9340	e4180	e2990	e3150	e2530	63500	22300	16200	7080	1770
6	10200	9970	9090	e4050	e2980	e3000	e2650	63500	19500	14000	7580	1760
7	9010	18900	8380	e3920	e2930	e2800	e2950	59900	17700	13600	8650	1930
8	7600	22300	7980	e3830	e2700	e2680	e3400	57000	17900	13200	7150	2080
9	6660	18800	7220	e3730	e2550	e2600	e4150	56100	19500	12800	5800	2150
10	7090	15900	6490	e3650	e2420	e2520	e4950	56300	18600	12400	4990	2420
11	10500	13900	8080	e3520	e2300	e2460	e5800	52700	16200	12700	4430	2930
12	11500	12600	12400	e3420	e2210	e2400	e7300	46900	14200	12500	3950	3490
13	10600	11400	15400	e3300	e2150	e2340	e9400	45100	13400	11100	3570	3920
14	10700	10800	16200	e3250	e2100	e2310	e14100	42600	16700	9400	3380	3990
15	10700	10600	16500	e3170	e2070	e2270	e19000	37700	31200	8150	3380	3540
16	9750	11400	15200	e3080	e2000	e2280	36200	34100	33300	7290	3680	3070
17	8780	12400	12800	e3030	e1980	e2290	e101000	31000	25400	6820	4360	2750
18	8740	12100	11600	e3000	e1960	e2300	e107000	28200	20000	6520	3790	2550
19	11800	11100	10600	e2920	e1950	e2310	89000	25800	18200	6250	3280	2430
20	13300	11500	9870	e2870	e1940	e2330	70700	23300	17400	6330	2840	2430
21	11800	13600	9710	e2840	e2300	e2380	58400	21200	15400	6770	2660	2560
22	14300	14600	9770	e2790	e2600	e2390	48200	19400	16700	7470	2750	2450
23	23900	13500	9210	e2740	e3150	e2410	40300	18200	23500	8140	3020	2260
24	21500	12200	e7800	e2720	e3550	e2440	34700	17800	21700	9050	3250	2120
25	17700	9810	e7200	e2660	e3750	e2450	31700	16800	17200	8500	2930	2010
26	14900	7910	e6690	e2650	e4000	e2460	31700	15500	15200	8090	2530	1930
27	12900	7760	e6240	e2600	e4100	e2470	33600	16200	16700	8800	2310	1880
28	11600	8270	e5780	e2560	e4050	e2480	45400	19600	17400	9580	2180	1960
29	10900	10600	e5500	e2610	---	e2490	61900	23800	20400	9310	2410	2280
30	10400	13200	e5200	e2730	---	e2480	62300	24000	22000	7970	2680	3260
31	9690	---	e4900	e2830	---	e2480	---	24100	---	6850	3070	---
TOTAL	340630	356580	301250	102700	76590	81390	938240	1193800	616200	331390	128630	75820
MEAN	10990	11890	9718	3313	2735	2625	31270	38510	20540	10690	4149	2527
MAX	23900	22300	16500	4750	4100	3900	107000	67400	33300	19000	8650	3990
MIN	5530	7580	4900	2560	1940	2270	2470	15500	13400	6250	2180	1760
CFSM	1.94	2.10	1.72	.58	.48	.46	5.52	6.80	3.63	1.89	.73	.45
IN.	2.24	2.34	1.98	.67	.50	.53	6.16	7.84	4.05	2.18	.84	.50

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6843	8556	5737	3174	2417	3325	24560	34310	10870	6346	5326	4859
MAX	19840	24220	22900	7438	8610	23590	49210	68160	21800	17250	24640	14700
(WY)	1991	1928	1951	1958	1981	1936	1983	1974	1947	1984	1981	1954
MIN	1116	1367	1232	871	562	669	3298	6464	3616	2077	910	935
(WY)	1969	1948	1956	1948	1948	1944	1944	1987	1968	1991	1968	1968

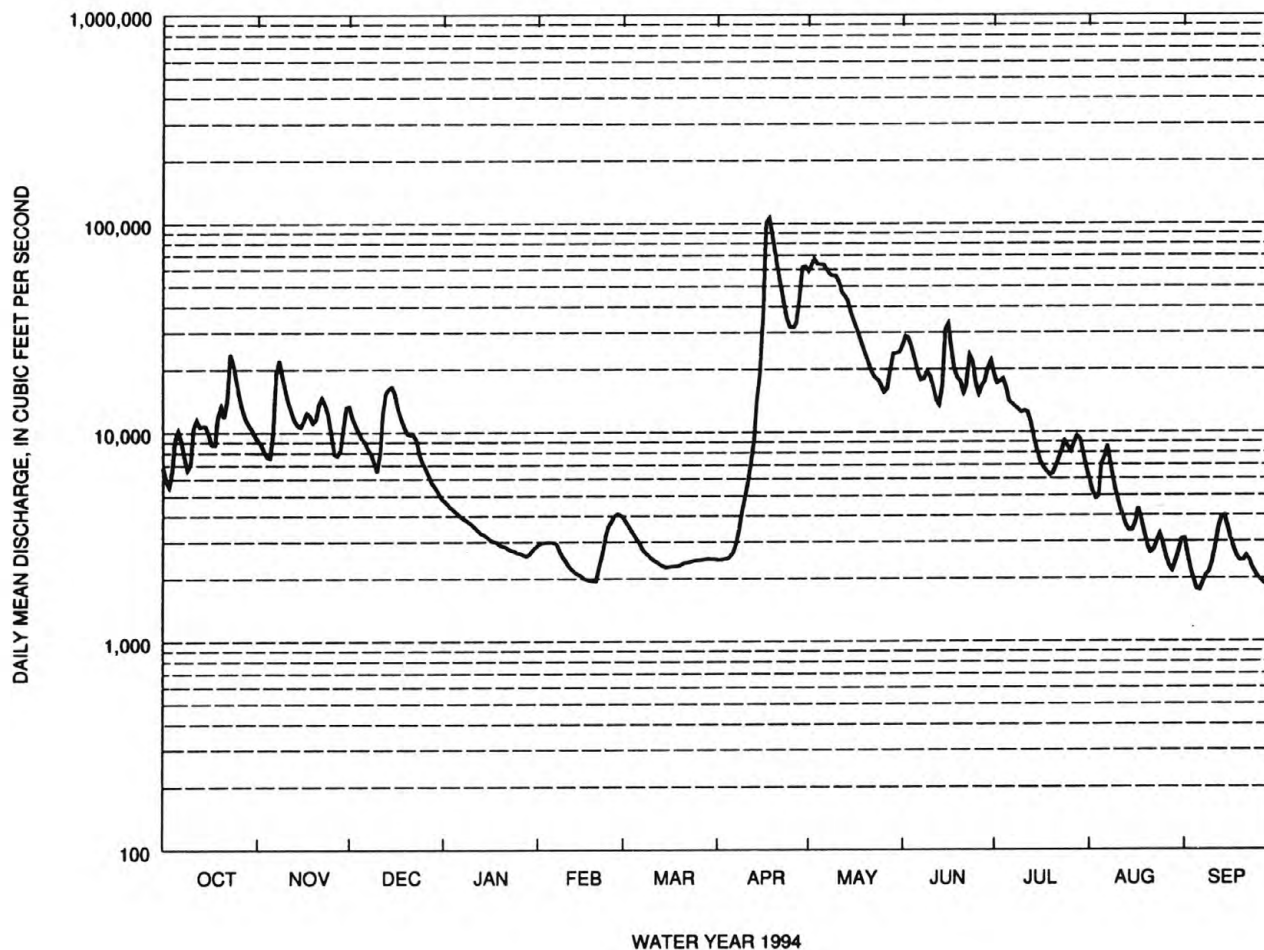
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1927 - 1994

ANNUAL TOTAL	3552185		4543220									
ANNUAL MEAN	9732		12450							9721		
HIGHEST ANNUAL MEAN										14100		1928
LOWEST ANNUAL MEAN										5667		1965
HIGHEST DAILY MEAN	81800	Apr 13	107000	Apr 18						146000	Apr 30	1979
LOWEST DAILY MEAN	650	Mar 12	1760	Sep 6						510	Mar 13	1948
ANNUAL SEVEN-DAY MINIMUM	666	Mar 8	1980	Sep 3						513	Mar 9	1948
INSTANTANEOUS PEAK FLOW			144000	Apr 17						151000	Apr 30	1979
INSTANTANEOUS PEAK STAGE			26.60	Apr 17						27.31	Apr 30	1979
INSTANTANEOUS LOW FLOW			1700	Sep 6								
ANNUAL RUNOFF (CFSM)	1.72		2.20							1.72		
ANNUAL RUNOFF (INCHES)	23.33		29.83							23.31		
10 PERCENT EXCEEDS	20700		28200							23000		
50 PERCENT EXCEEDS	6490		7300							4610		
90 PERCENT EXCEEDS	831		2390							1500		



01015000 ST. JOHN RIVER AT VAN BUREN, ME
(National stream-quality accounting network station)

LOCATION.--Lat 47°09'35", long 67°55'55", Aroostook County, Hydrologic Unit 01010001, at International Bridge between Van Buren, Maine, and St. Leonard, New Brunswick.

DRAINAGE AREA.--8,174 mi².

PERIOD OF RECORD.--Water years 1979 to August 1994 (discontinued).

CHEMICAL ANALYSES: Water years 1979 to August 1994.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1978 to September 1981.

WATER TEMPERATURE: November 1978 to September 1981.

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

REMARKS.--Water-discharge records for St. John River below Fish River at Ft. Kent (station 01014000) are used for computation of mean daily discharge.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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 CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00301)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
NOV												
03...	1240	11800	89	7.5	1.5	2.5	0.9	755	13.6	101	160	56
DEC												
07...	1600	12100	80	7.5	-2.0	0.0	1.6	752	13.4	93	120	210
FEB												
01...	1300	E 4200	124	7.3	-14.0	0.0	0.8	752	11.5	80	170	70
APR												
26...	1330	45700	68	7.3	11.0	3.0	1.5	755	13.4	100	K 78	68
AUG												
03...	0930	6940	94	7.6	16.5	23.0	1.0	753	7.2	85	<34	<20

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)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)
NOV											
03...	40	13	1.7	2.4	0.40	39	0	32	6.3	2.2	0.10
DEC											
07...	34	11	1.7	2.1	0.50	31	0	25	7.1	2.0	<0.10
FEB											
01...	55	18	2.4	3.8	0.60	55	0	45	11	4.1	<0.10
APR											
26...	29	9.6	1.2	1.6	0.40	29	0	24	4.7	1.5	<0.10
AUG											
03...	42	14	1.8	2.4	0.40	40	0	32	5.9	2.1	<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.

01015000 ST. JOHN RIVER AT VAN BUREN, ME--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 03...	3.9	69	50	<0.01	0.14	0.14	0.03	0.04	0.20
DEC 07...	4.4	64	45	<0.01	0.18	0.18	0.02	0.03	<0.20
FEB 01...	4.3	83	73	0.02	0.26	0.26	0.03	0.04	0.80
APR 26...	3.6	49	38	<0.01	0.16	0.16	0.02	0.03	0.30
AUG 03...	3.1	80	50	<0.01	--	<0.05	0.07	0.09	0.30
DATE	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)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
NOV 03...	<0.01	<0.01	<0.01	50	5	<3	71	<4	13
DEC 07...	<0.01	<0.01	<0.01	--	--	--	--	--	--
FEB 01...	0.02	0.01	<0.01	40	8	<3	69	<4	28
APR 26...	0.02	<0.01	<0.01	80	4	<3	81	<4	11
AUG 03...	<0.01	<0.01	<0.01	30	6	<3	110	<4	13
DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 03...	<10	<1	<1	<1.0	84	<6	2	64	88
DEC 07...	--	--	--	--	--	--	4	131	50
FEB 01...	<10	<1	<1	<1.0	110	<6	1	11	100
APR 26...	<10	<1	<1	<1.0	64	<6	20	2470	95
AUG 03...	<10	<1	<1	<1.0	87	<6	--	--	--

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.--Water Years 1989 to current year

PERIOD OF DAILY RECORD. - -

SPECIFIC CONDUCTANCE: Seasonal records August 1989 to current year.

pH: Seasonal records August 1989 to current year.

WATER TEMPERATURE: Seasonal records August 1989 to current year.

DISSOLVED OXYGEN: Seasonal records August 1989 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD. - -

SPECIFIC CONDUCTANCE: Maximum, 149 $\mu\text{S}/\text{cm}$, Aug. 8, 1991; 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, 11.2 mg/L, June 1, 1993; minimum, 5.8 mg/L, Aug. 30, 1990.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	66	65	65	66	53	61	88	69	83	117	114	116
2	66	63	64	67	54	62	90	87	89	114	112	114
3	66	63	64	67	55	64	92	90	91	113	110	112
4	68	65	66	67	55	61	97	92	95	110	109	109
5	73	68	70	71	55	63	99	97	98	112	109	110
6	76	72	74	72	56	66	100	92	98	116	112	114
7	81	76	78	74	59	67	92	82	86	119	116	117
8	82	81	81	73	59	69	82	77	80	124	119	121
9	82	80	81	73	60	69	80	72	77	124	118	122
10	80	79	79	75	60	69	81	78	79	119	110	116
11	81	79	80	76	61	70	86	80	83	111	92	105
12	83	81	82	77	62	70	90	86	88	102	97	99
13	87	83	85	76	61	70	94	89	91	105	101	104
14	90	85	87	77	62	73	98	93	94	105	103	104
15	87	71	79	81	63	73	104	97	100	103	96	99
16	72	63	66	84	67	77	107	103	106	96	93	94
17	66	62	64	87	68	78	107	105	106	93	73	84
18	68	66	67	90	70	81	106	104	105	92	90	91
19	74	68	71	91	72	82	104	99	101	94	92	93
20	74	72	73	94	75	86	101	98	99	95	93	94
21	76	73	74	95	75	85	102	101	102	95	95	95
22	81	75	78	94	73	85	106	102	104	96	94	95
23	80	72	77	91	73	84	109	105	107	96	93	95
24	72	67	69	90	72	82	112	109	110	97	88	96
25	69	67	68	88	71	83	113	111	112	100	82	96
26	73	58	69	86	83	84	112	109	110	101	88	99
27	76	60	69	90	69	80	109	108	109	104	82	101
28	72	58	67	88	70	83	110	108	108	107	103	104
29	71	57	64	85	67	77	113	109	111	113	98	109
30	69	53	62	84	67	76	115	112	113	---	---	---
31	---	---	---	84	68	77	117	115	116	---	---	---
MONTH PERIOD	90 124	53 53	72 87	95	53	74	117	69	98	124	73	104

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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

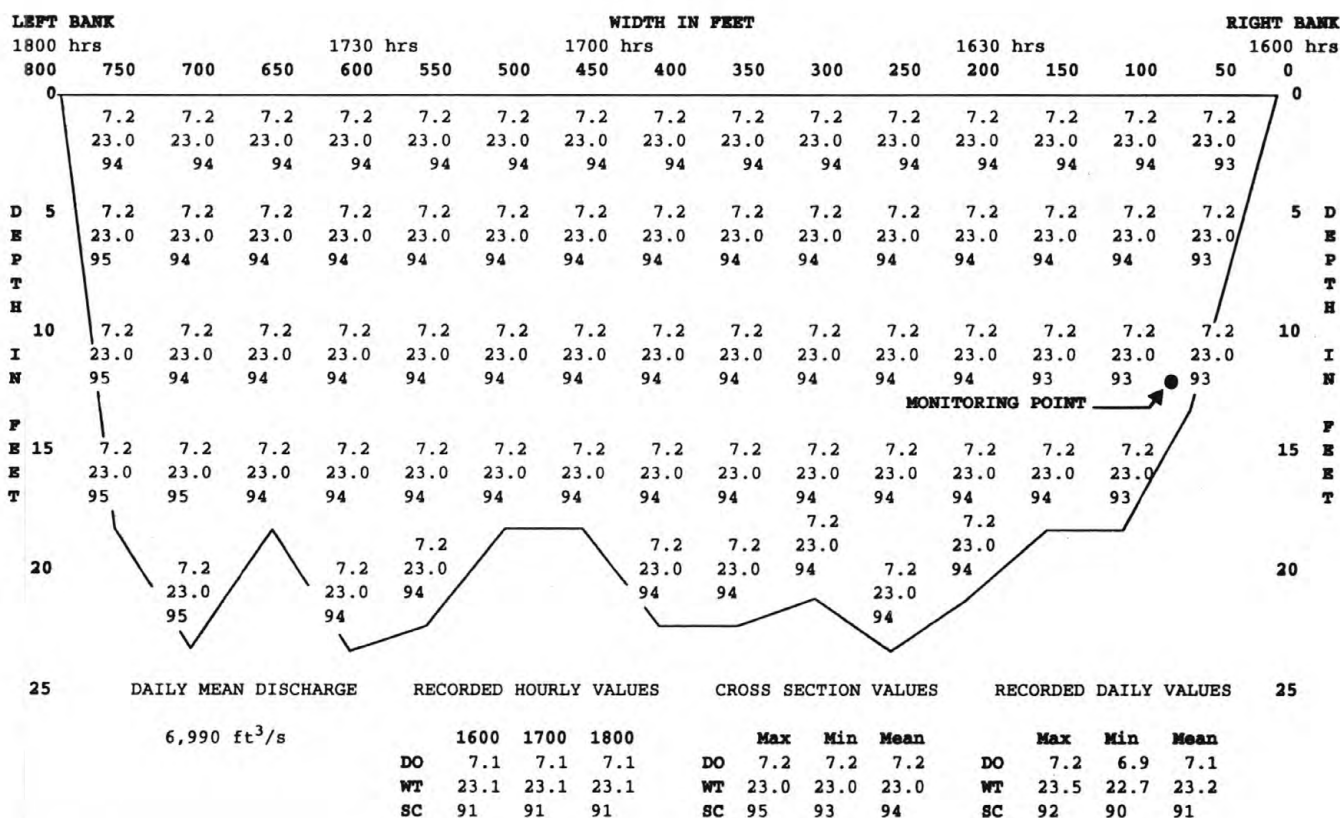
01015010 ST. JOHN RIVER NEAR HAMLIN, ME —Continued

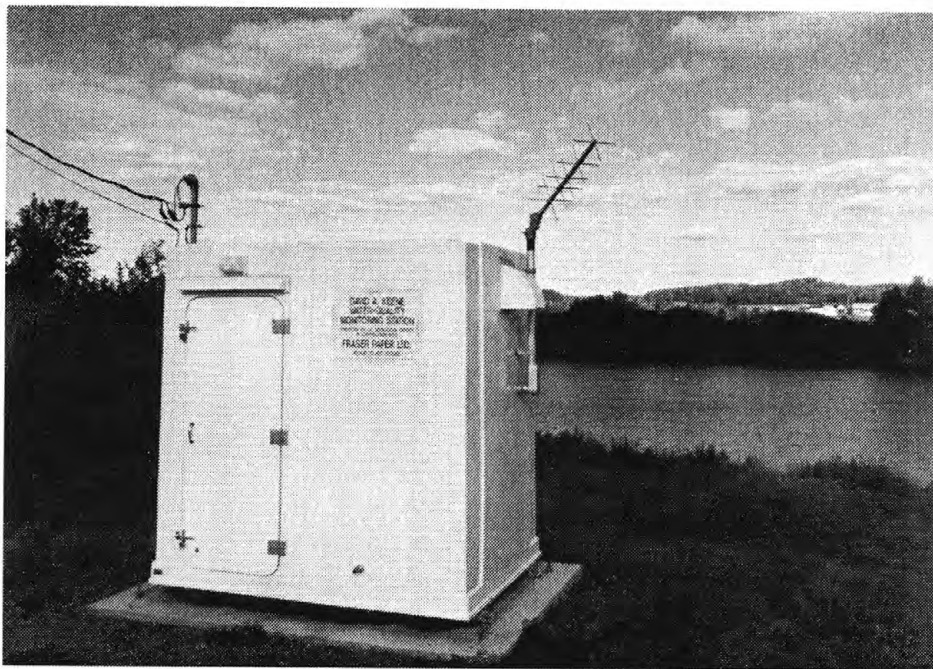
OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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

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)

AUGUST 3, 1994





Water-quality monitoring station
St. John River at Hamlin,
September 20, 1989

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 330.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Nov. 25 to Dec. 12, Dec. 18 to Apr. 16, Apr. 18, May 31 to June 15, and July 17-25. Records good except for periods of ice effect, Nov. 25 to Dec. 12, Dec. 18 to Apr. 16, and Apr. 18, periods of doubtful gage-height record, Jan. 6 to Mar. 1 and Mar. 15-30, and periods of no gage-height record, Dec. 24 to Jan. 5, May 31 to June 15 and July 17-25, which are 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. Telephone and satellite gage-height telemeters 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, 18,900 ft³/s, Apr. 18, gage height, 16.20 ft; maximum gage height, 18.00 ft, Apr. 18 (backwater from ice); minimum discharge 93 ft³/s, Sept. 4,5, gage height 2.62 ft.

**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	964	1380	e1490	e962	e640	e520	e480	8290	e2200	1210	349	115
2	792	1340	e1350	e920	e625	e485	e475	9150	e2280	1110	311	105
3	874	1260	e1350	e883	e597	e470	e475	8980	e2210	1020	296	100
4	1500	1190	e1230	e855	e567	e455	e550	8250	e2040	887	282	96
5	1740	1240	e1160	e815	e542	e445	e670	8010	e1880	752	284	96
6	1580	2000	e1120	e780	e520	e435	e860	8180	e1910	677	295	113
7	1310	3350	e1070	e760	e503	e425	e1040	8630	e2030	624	286	140
8	1100	3410	e1050	e730	e485	e415	e1350	8260	e2220	581	264	161
9	1060	2890	e1040	e700	e470	e405	e1700	8640	e2110	631	242	174
10	1250	2420	e2420	e675	e460	e395	e2120	9130	e1870	778	236	203
11	1460	2090	e3760	e655	e445	e390	e2550	8150	e1600	807	214	241
12	1380	1880	e6390	e640	e440	e385	e3450	7040	e1330	700	192	266
13	1710	1740	7650	e617	e425	e380	e4400	6970	e1380	590	178	277
14	2380	1620	6920	e600	e420	e378	e5750	6780	e2040	517	174	254
15	2280	1600	5130	e582	e408	e375	e9400	5970	e2070	447	188	224
16	1960	1820	4180	e567	e400	e382	e14400	5150	2060	396	181	199
17	1690	1880	3320	e555	e385	e395	16800	4380	1750	e368	167	186
18	1540	1780	e2740	e542	e375	e415	e18700	3680	1530	e340	153	173
19	1460	1640	e2270	e530	e366	e450	16400	3260	1980	e320	149	160
20	1320	1830	e1980	e518	e361	e470	12400	2900	2110	e312	143	148
21	1260	2420	e1830	e500	e380	e460	9690	2580	1780	e315	144	140
22	2340	2400	e1700	e490	e460	e440	7950	2330	1980	e338	153	130
23	3310	2110	e1600	e480	e550	e440	6610	2150	2160	e350	155	123
24	3070	1850	e1480	e470	e590	e450	5670	1990	1850	e400	147	122
25	2560	e1320	e1360	e460	e615	e485	5850	1840	1460	e360	139	122
26	2130	e1190	e1300	e450	e605	e490	5790	1760	1210	345	132	122
27	1820	e1210	e1210	e447	e585	e500	5590	2010	1100	355	131	120
28	1700	e1250	e1170	e480	e545	e505	7060	2600	1060	366	128	138
29	1700	e1480	e1090	e530	---	e500	8440	2490	1230	419	132	229
30	1620	e1540	e1050	e600	---	e495	8430	2150	1350	442	134	412
31	1480	---	e1000	e637	---	e485	---	e1950	---	399	126	---
TOTAL	52340	55130	72410	19430	13764	13720	185050	163650	53780	17156	6105	5089
MEAN	1688	1838	2336	627	492	443	6168	5279	1793	553	197	170
MAX	3310	3410	7650	962	640	520	18700	9150	2280	1210	349	412
MIN	792	1190	1000	447	361	375	475	1760	1060	312	126	96
CFSM	1.89	2.06	2.62	.70	.55	.50	6.92	5.92	2.01	.62	.22	.19
IN.	2.18	2.30	3.02	.81	.57	.57	7.72	6.82	2.24	.72	.25	.21

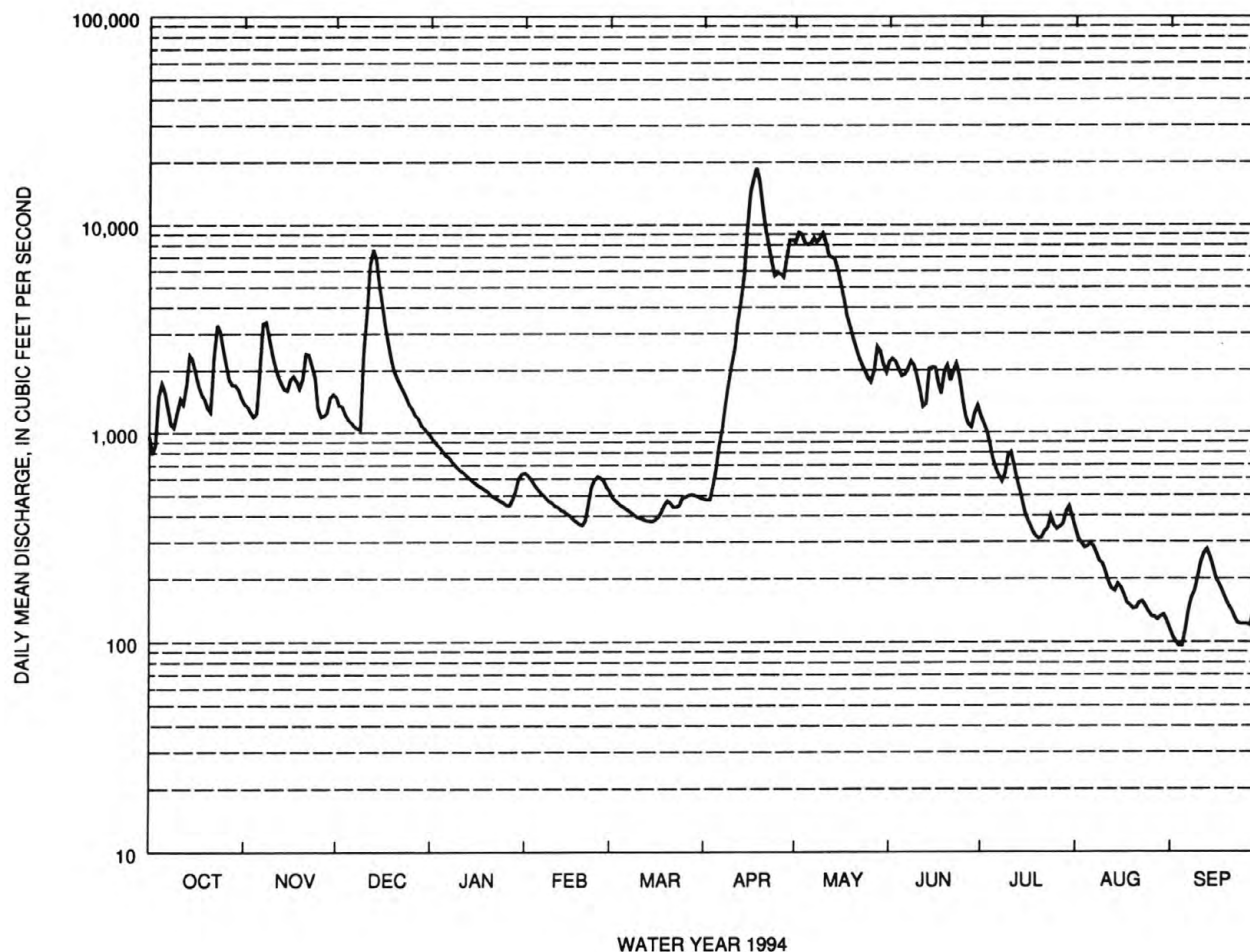
e Estimated

01015800 AROOSTOOK RIVER NEAR MASARDIS, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1105	1450	1068	577	586	720	4376	4580	1363	665	642	673
MAX	4451	5212	2823	1163	1865	3749	10380	11250	3591	2089	2380	2730
(WY)	1982	1964	1958	1958	1979	1979	1976	1961	1984	1962	1981	1967
MIN	201	369	370	257	206	198	1055	1061	301	77.5	79.5	111
(WY)	1969	1979	1979	1982	1972	1993	1967	1987	1988	1991	1968	1968

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1957 - 1994	
ANNUAL TOTAL	611116		657624		1485	
ANNUAL MEAN	1674		1802		2133	
HIGHEST ANNUAL MEAN					818	
LOWEST ANNUAL MEAN					1976	
HIGHEST DAILY MEAN	16700	Apr 13	18700	Apr 18	22100	Apr 19 1983
LOWEST DAILY MEAN	120	Mar 16	96	Sep 4	42	Sep 27 1968
ANNUAL SEVEN-DAY MINIMUM	128	Mar 12	107	Aug 31	44	Sep 26 1968
INSTANTANEOUS PEAK FLOW			18900	Apr 18	23100	Apr 19 1983
INSTANTANEOUS PEAK STAGE			18.00	Apr 18	18.00	Apr 18 1994
INSTANTANEOUS LOW FLOW			93	Sep 4	41	Sep 26 1968
ANNUAL RUNOFF (CFSM)	1.88		2.02		1.67	
ANNUAL RUNOFF (INCHES)	25.49		27.43		22.62	
10 PERCENT EXCEEDS	3800		5140		3670	
50 PERCENT EXCEEDS	1050		874		653	
90 PERCENT EXCEEDS	187		176		226	



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.--Estimated daily discharges: Oct. 1-4, Dec. 20 to Apr. 16, May 17 to July 25, and Aug. 9 to Sept. 30. Records good, except for periods of ice effect, Dec. 20 to Apr. 16, doubtful gage-height record, May 17 to July 25, and Aug. 19 to Sept. 30, and no gage-height record, Oct. 1-4 and Aug. 9-18, which are fair. 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. Telephone and satellite gage-height telemeters 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, 35,100 ft³/s, Apr. 18, gage height, 12.29 ft; maximum gage height, 15.27 ft, Apr. 16 (backwater from ice); minimum daily discharge, 185 ft³/s, Sept. 5.

**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	e1710	2510	2780	e1550	e1180	e1020	e895	14700	e4180	e2410	839	e275
2	e1440	2430	2510	e1450	e1250	e970	e745	15800	e4200	e2500	761	e203
3	e1950	2400	2530	e1420	e1180	e920	e880	15900	e4260	e2100	774	e190
4	e2400	2390	2300	e1550	e1130	e860	e1030	14900	e4200	e1740	800	e187
5	2820	2450	2130	e1500	e1050	e700	e1300	14600	e3500	e1490	821	e185
6	2690	3630	2040	e1490	e1010	e685	e1600	14900	e3700	e1360	879	e218
7	2350	5760	1960	e1430	e975	e670	e1970	16000	e4000	e1200	855	e258
8	2000	6060	1840	e1350	e1000	e655	e2350	15000	e4050	e1220	800	e290
9	1880	5340	1690	e1150	e950	e640	e2830	15700	e3800	e1150	e625	e315
10	2140	4590	1470	e1070	e910	e690	e3550	16700	e3250	e1390	e555	e355
11	2500	4090	2990	e1260	e918	e600	e4400	15100	e2750	e1430	e505	e433
12	2510	3620	11200	e1180	e865	e595	e5700	13000	e2380	e1240	e415	e470
13	3160	3420	12500	e1150	e855	e590	e7800	12700	e2480	e1110	e340	e505
14	4040	3040	10900	e1120	e675	e620	e9500	12100	e3100	e920	e325	e478
15	3990	3010	9010	e1080	e825	e700	e11800	10900	e3850	e810	e340	e415
16	3490	3210	7010	e1070	e810	e760	e22100	9080	e3800	e720	e345	e370
17	3050	3290	5510	e1050	e795	e605	32400	e7700	e3300	e690	e318	e335
18	2840	3190	4500	e1040	e775	e620	33800	e6600	e2720	e615	e298	e318
19	2710	3010	3900	e1010	e755	e660	30100	e5850	e3700	e580	e280	e292
20	2530	3490	e3320	e990	e745	e680	23000	e5200	e4000	e570	e273	e275
21	2460	4350	e3030	e963	e575	e700	17300	e4730	e3300	e560	e272	e266
22	3910	4440	e2920	e950	e595	e730	13600	e4250	e3650	e600	e277	e250
23	5410	4040	e2800	e765	e910	e780	11000	e3950	e3920	e700	e290	e233
24	5300	3490	e2520	e750	e1000	e860	9370	e3660	e3300	e630	e276	e232
25	4530	2390	e2260	e960	e1080	e910	9150	e3430	e2550	e730	e263	e231
26	3850	2190	e2070	e950	e1110	e920	9150	e3390	e2100	900	e252	e231
27	3290	2330	e1950	e930	e1090	e830	9240	e4000	e1950	1210	e245	e230
28	3030	2360	e2080	e918	e1060	e760	11600	e4500	e1880	1170	e240	e265
29	2980	2980	e1980	e920	---	e920	14100	e4370	e2000	1140	e245	e425
30	2870	3160	e1880	e996	---	e910	14800	e3770	e2090	1090	e252	e685
31	2670	---	e1720	e1080	---	e900	---	e3500	---	976	e240	---
TOTAL	92500	102660	117300	35092	26073	23460	317060	295980	97960	34951	14000	9415
MEAN	2984	3422	3784	1132	931	757	10570	9548	3265	1127	452	314
MAX	5410	6060	12500	1550	1250	1020	33800	16700	4260	2500	879	685
MIN	1440	2190	1470	750	575	590	745	3390	1880	560	240	185

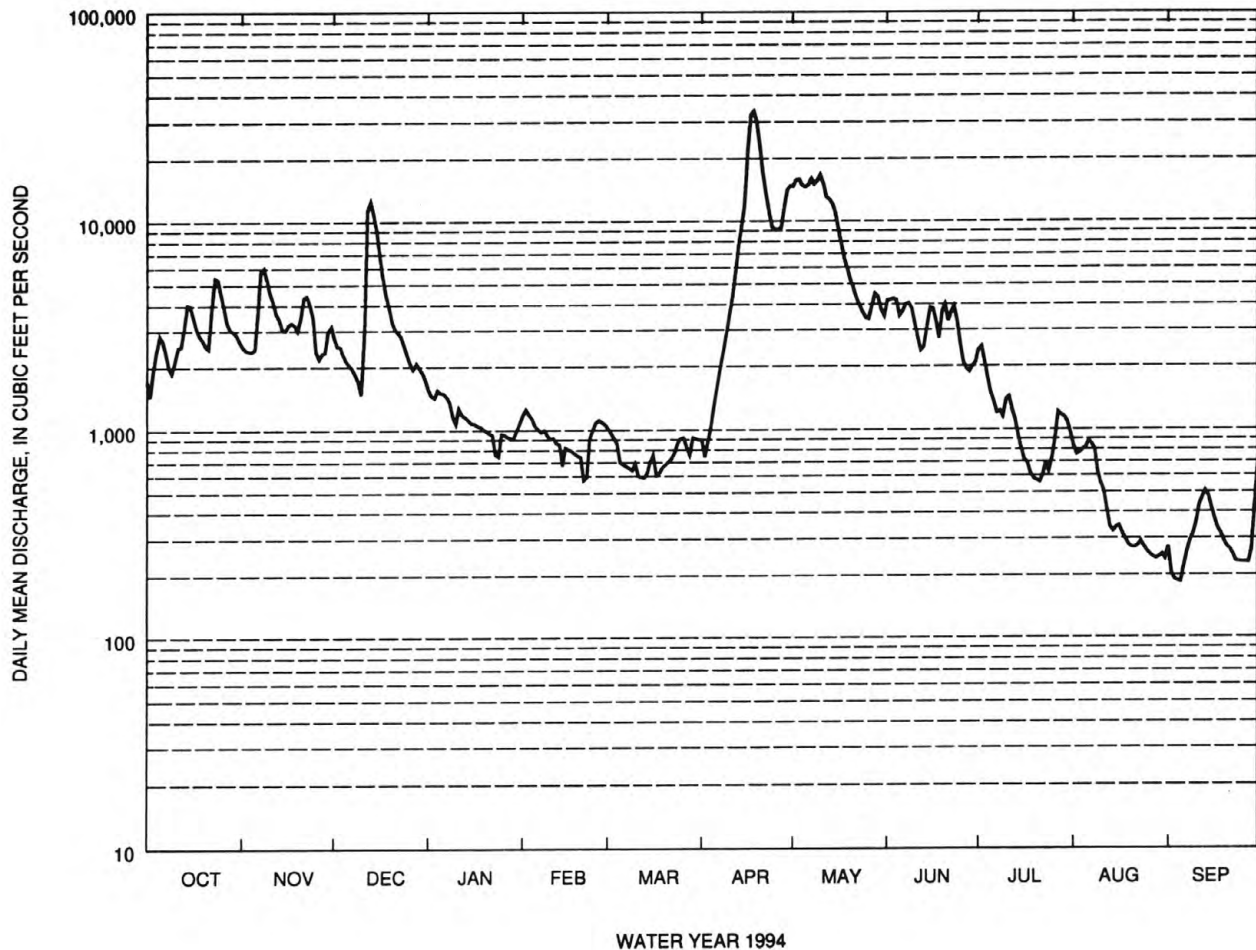
e Estimated

01017000 AROOSTOOK RIVER AT WASHBURN, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1818	2544	1883	1038	1010	1387	8071	8063	2554	1365	1059	1120
MAX	8098	9767	7975	2595	3684	10440	16990	20350	6928	5882	5728	5235
(WY)	1982	1964	1951	1958	1979	1936	1976	1961	1984	1954	1981	1954
MIN	265	218	175	167	101	324	1468	1775	634	189	152	143
(WY)	1956	1956	1956	1948	1948	1948	1944	1987	1988	1991	1968	1952

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1957 - 1994	
ANNUAL TOTAL	1125387		1166451			
ANNUAL MEAN	3083		3196		2663	
HIGHEST ANNUAL MEAN					4145	
LOWEST ANNUAL MEAN					1409	
HIGHEST DAILY MEAN	29400		33800		42500	
LOWEST DAILY MEAN	253		185		75	
ANNUAL SEVEN-DAY MINIMUM	268		214		78	
INSTANTANEOUS PEAK FLOW			35100		43400	
INSTANTANEOUS PEAK STAGE			15.27		20.91	
10 PERCENT EXCEEDS	7000		9040		6830	
50 PERCENT EXCEEDS	1880		1500		1170	
90 PERCENT EXCEEDS	417		331		396	



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.--Estimated daily discharges: Oct. 1-13 and July 18-21. Records good, including period of doubtful gage-height record, Oct. 1-13, and period of no gage-height record, July 18-21. Flow regulated by Chiputneticook Lakes, combined usable capacity, about 13,200,000,000 ft³. Final regulation is at Spednik Lake Dam about 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, 4,860 ft³/s, Apr 17, gage height, 9.66 ft; minimum daily discharge, 201 ft³/s, Nov. 4,5.

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	e853	363	225	1500	929	1370	233	953	910	718	706	708
2	e847	228	225	1490	930	1360	233	938	911	719	703	707
3	e847	207	225	1490	928	1350	234	900	910	719	701	703
4	e853	201	225	1480	928	1350	238	901	908	718	698	701
5	e858	201	229	1480	926	1340	239	902	908	717	698	698
6	e853	204	230	1480	924	1330	241	1940	907	714	696	702
7	e847	206	231	1460	923	1320	246	2560	906	713	692	702
8	e847	205	233	1700	923	1310	248	2240	906	739	691	701
9	e841	204	233	1880	919	1310	254	2780	905	760	688	697
10	e841	205	235	1870	1090	981	255	3180	816	758	686	696
11	e836	206	239	1860	1250	752	259	2670	731	757	684	694
12	e830	206	252	1840	1250	1130	263	2660	729	753	680	695
13	e841	208	256	1830	1240	1240	265	3140	729	751	676	690
14	836	208	259	1820	1240	1240	272	3480	729	747	674	689
15	834	208	262	1810	1230	1240	1740	2330	733	744	674	689
16	829	208	264	1800	1220	1240	3970	1250	727	742	669	686
17	823	208	267	1780	1220	1130	4580	1250	725	739	682	685
18	823	208	269	1370	1210	897	4780	1250	725	e724	704	684
19	817	208	270	969	1210	896	4060	1250	725	e704	702	682
20	811	213	272	968	1200	897	2990	1250	724	e704	698	679
21	804	215	275	967	1320	897	2860	1250	724	e684	693	677
22	459	215	282	965	1420	898	1990	1250	725	687	691	675
23	242	215	285	964	1410	901	978	1300	725	684	691	672
24	242	216	426	961	1410	903	674	1580	722	680	686	670
25	241	218	574	959	1400	904	678	1780	722	678	681	669
26	240	218	1120	959	1400	906	682	1520	721	698	677	668
27	390	218	1520	958	1390	910	684	1100	720	717	674	664
28	569	218	1520	958	1380	779	1090	909	720	714	671	663
29	565	223	1510	943	---	396	1680	909	718	713	669	662
30	565	224	1510	930	---	258	1360	908	717	710	667	664
31	565	---	1510	930	---	233	---	911	---	709	792	---
TOTAL	21649	6485	15433	42371	32820	31668	38276	51241	23478	22314	21394	20572
MEAN	698	216	498	1367	1172	1022	1276	1653	783	720	690	686
MAX	858	363	1520	1880	1420	1370	4780	3480	911	760	792	708
MIN	240	201	225	930	919	233	233	900	717	678	667	662

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	545	465	541	768	844	694	675	1002	914	820	753	660
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

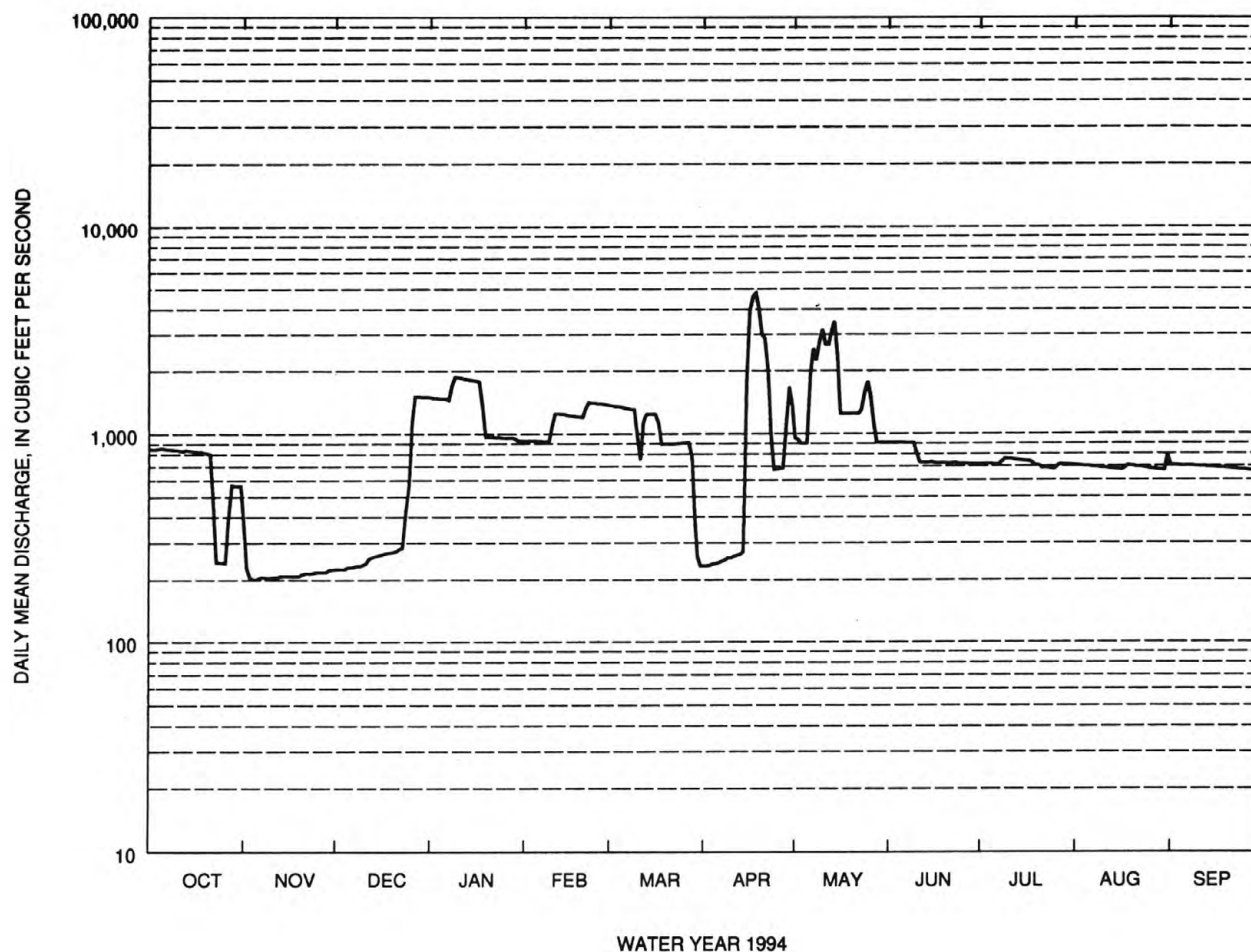
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1929 - 1994

ANNUAL TOTAL	210120	327701	
ANNUAL MEAN	576	898	723
HIGHEST ANNUAL MEAN			1203
LOWEST ANNUAL MEAN			335
			1960
			1985
HIGHEST DAILY MEAN	2780	Apr 23	4780
LOWEST DAILY MEAN	195	Mar 31	201
ANNUAL SEVEN-DAY MINIMUM	202	Mar 31	204
			Nov 4
			Nov 4
INSTANTANEOUS PEAK FLOW			4860
INSTANTANEOUS PEAK STAGE			9.66
			Apr 17
			Apr 17
			6730
			11.28
			Jun 3 1984
			Jun 3 1984
10 PERCENT EXCEEDS	952	1510	1370
50 PERCENT EXCEEDS	493	729	603
90 PERCENT EXCEEDS	218	232	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.--Estimated daily discharges: Dec. 28 to Jan. 1, Jan. 3, 6-7, 9-11, 15-17, and 19-26. Records good including periods of ice effect, Dec. 28 to Jan. 1, Jan. 3, 6-7, 9-11, 15-17, and 19, and period of once-a-day readings, Jan. 20-26. 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. Satellite gage-height telemeter 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, 1,600 ft³/s, Feb. 7, gage height, 4.85 ft; minimum daily discharge, 100 ft³/s, Oct. 21.

**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	367	104	112	e177	716	1040	203	398	560	442	135	530
2	356	104	112	184	715	1010	203	400	560	443	135	611
3	359	103	113	e184	714	996	204	400	558	443	133	602
4	356	103	113	192	846	998	208	400	557	440	133	595
5	359	104	117	191	1120	982	210	403	552	437	134	590
6	355	105	118	e191	1110	961	214	408	551	436	134	594
7	285	105	116	e191	1350	1010	219	408	552	433	132	586
8	397	105	116	201	1570	1040	219	409	551	432	132	582
9	508	105	117	e201	1540	1020	220	412	549	432	132	573
10	508	105	116	e201	1510	843	227	412	546	432	132	568
11	493	105	139	e201	1480	592	230	412	545	431	132	565
12	480	105	140	198	1430	902	231	462	544	428	130	581
13	496	105	131	192	1420	990	233	496	527	428	130	582
14	382	105	131	190	1400	971	244	496	516	428	130	595
15	172	105	132	e190	1370	878	244	493	501	425	130	600
16	113	105	131	e190	1330	689	248	491	481	424	130	591
17	113	105	131	e190	1310	622	252	491	462	422	130	586
18	113	106	131	200	1280	424	254	491	448	420	130	581
19	112	105	132	e200	1250	421	256	489	449	419	130	571
20	104	111	133	e505	1230	419	257	487	448	420	132	564
21	100	111	138	e933	1200	416	257	487	447	365	133	556
22	102	109	144	e933	1200	416	260	486	448	227	132	548
23	103	109	141	e933	1170	269	261	531	448	168	132	542
24	101	110	289	e965	1160	134	261	561	445	168	132	539
25	101	109	281	e614	1130	135	263	561	444	157	131	535
26	101	109	230	e594	1120	136	265	561	444	133	131	532
27	101	109	177	642	1090	136	288	561	444	135	130	543
28	103	110	e177	564	1060	137	347	561	444	135	130	584
29	103	113	e177	721	---	137	396	561	443	135	218	582
30	102	113	e177	720	---	169	396	561	442	135	354	579
31	103	---	e177	719	---	201	---	559	---	135	417	---
TOTAL	7548	3202	4589	12507	33821	19094	7570	14848	14906	10508	4676	17187
MEAN	243	107	148	403	1208	616	252	479	497	339	151	573
MAX	508	113	289	965	1570	1040	396	561	560	443	417	611
MIN	100	103	112	177	714	134	203	398	442	133	130	530

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	347	220	255	376	488	452	321	408	460	427	483	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

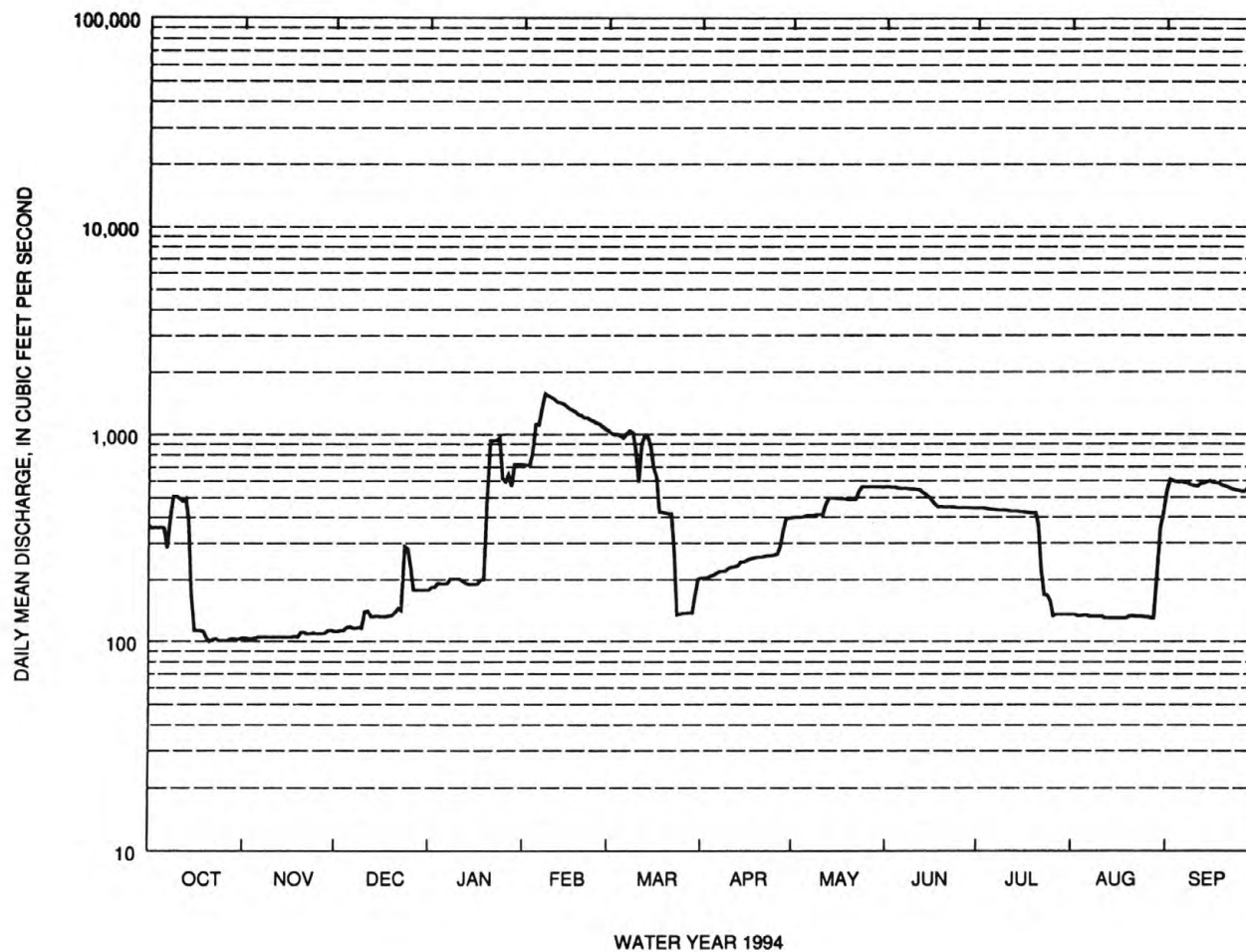
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1929 - 1994

ANNUAL TOTAL	90232	150456	
ANNUAL MEAN	247	412	392
HIGHEST ANNUAL MEAN			701
LOWEST ANNUAL MEAN			178
			1960
			1931
HIGHEST DAILY MEAN	663	May 15	1570
LOWEST DAILY MEAN	100	Oct 21	100
ANNUAL SEVEN-DAY MINIMUM	101	Oct 21	101
			Oct 21
INSTANTANEOUS PEAK FLOW			1600
INSTANTANEOUS PEAK STAGE			4.85
			Feb 7
			Feb 7
			2840
			6.35
			Jun 12 1952
			Jun 12 1952
10 PERCENT EXCEEDS	461	944	822
50 PERCENT EXCEEDS	149	382	291
90 PERCENT EXCEEDS	110	110	116



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.--Estimated daily discharges: Dec. 26, Dec. 29 to Jan. 6, Jan. 15-19, Jan. 21 to Feb. 2, Feb. 4-5, 7-12, 15, 17, 23, and Feb. 25 to Mar. 3. Records good except for periods of ice effect, Dec. 26, Dec. 29 to Jan. 6, Jan. 15-19, Jan. 21 to Feb. 2, Feb. 4-5, 7-12, 15, 17, 23, and Feb. 25 to Mar. 3, which are fair. Flow regulated by Chiputneticook Lakes, Grand, 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, 12,600 ft³/s, Apr. 18, gage height, 10.50 ft; minimum daily discharge, 895 ft³/s, Aug. 31.

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	1700	1370	2560	e3830	e3700	e3020	3380	3470	2700	1150	1100	900
2	1560	1400	2400	e3080	e3740	e2960	3280	3610	2610	1140	1090	908
3	1670	1310	2370	e3030	3690	e2930	3250	3520	2620	1180	1030	903
4	1810	1300	2330	e3430	e3540	3050	3560	3390	2050	1100	1020	899
5	1540	1760	2680	e3170	e3530	3040	3940	3420	2090	1040	1170	907
6	1370	2290	3490	e3000	3470	3060	5020	4810	2260	1060	1090	922
7	1080	2300	3080	3020	e3420	3020	7030	5260	2300	1090	966	967
8	1170	2250	3410	3920	e3370	2990	8110	5390	2080	1050	934	1080
9	1520	2220	2900	4990	e3310	3000	7510	6590	2220	1040	962	1090
10	2040	2190	2600	5000	e3290	3100	7380	6760	1830	1120	954	1100
11	1870	2110	3970	5140	e3280	3210	7540	6920	1190	1090	936	1120
12	2010	1900	8260	4780	e3280	3180	7460	6650	1060	1130	936	1360
13	2110	1950	11700	3740	3300	3140	7340	6990	1000	1240	936	1490
14	2160	1950	10900	2760	3300	3100	7890	7180	1010	1210	957	1660
15	2240	1800	9450	e2860	e3300	3010	10300	6400	1040	1150	947	1590
16	2020	1730	7540	e2850	3270	3240	10900	6090	992	1070	926	1480
17	2110	1720	5970	e2850	e3230	3260	11500	5300	1270	1100	916	1380
18	2140	1790	5850	e3940	3160	3180	12100	4030	1770	1180	913	1330
19	2140	1900	5440	e4140	3080	3110	11700	3140	1920	1220	976	1420
20	1960	2580	4930	5090	3100	3110	10600	3070	1730	1200	973	1430
21	1910	3150	4890	e4400	3120	3100	9090	3150	1690	1160	972	1230
22	1960	3310	6390	e4100	2910	3100	7720	3130	1890	1520	1010	957
23	1700	3000	6510	e3650	e2870	3160	6070	3130	1670	1750	906	929
24	1480	2540	4920	e3540	2990	3190	5050	3110	1370	1190	1220	981
25	1530	1620	3950	e3320	e2970	3240	4290	3150	1590	1130	967	1700
26	1080	1870	e4800	e3200	e3200	3280	3610	2770	1620	947	983	1910
27	1020	1700	4510	e3200	e3220	3250	3230	2080	1430	950	932	1240
28	1230	1800	3880	e3180	e3130	3270	3260	2240	1440	923	928	1450
29	1250	3090	e3720	e3740	---	3280	3220	2610	1530	906	928	1580
30	1230	2740	e3910	e4120	---	3410	3340	2380	1360	1500	899	1730
31	1280	---	e4190	e3820	---	3200	---	2320	---	1600	895	---
TOTAL	51890	62640	153500	114890	91770	97190	198670	132060	51332	36136	30372	37643
MEAN	1674	2088	4952	3706	3277	3135	6622	4260	1711	1166	980	1255
MAX	2240	3310	11700	5140	3740	3410	12100	7180	2700	1750	1220	1910
MIN	1020	1300	2330	2760	2870	2930	3220	2080	992	906	895	899

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1882	2354	2829	2356	2761	2903	5296	3865	2475	1688	1648	1705
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

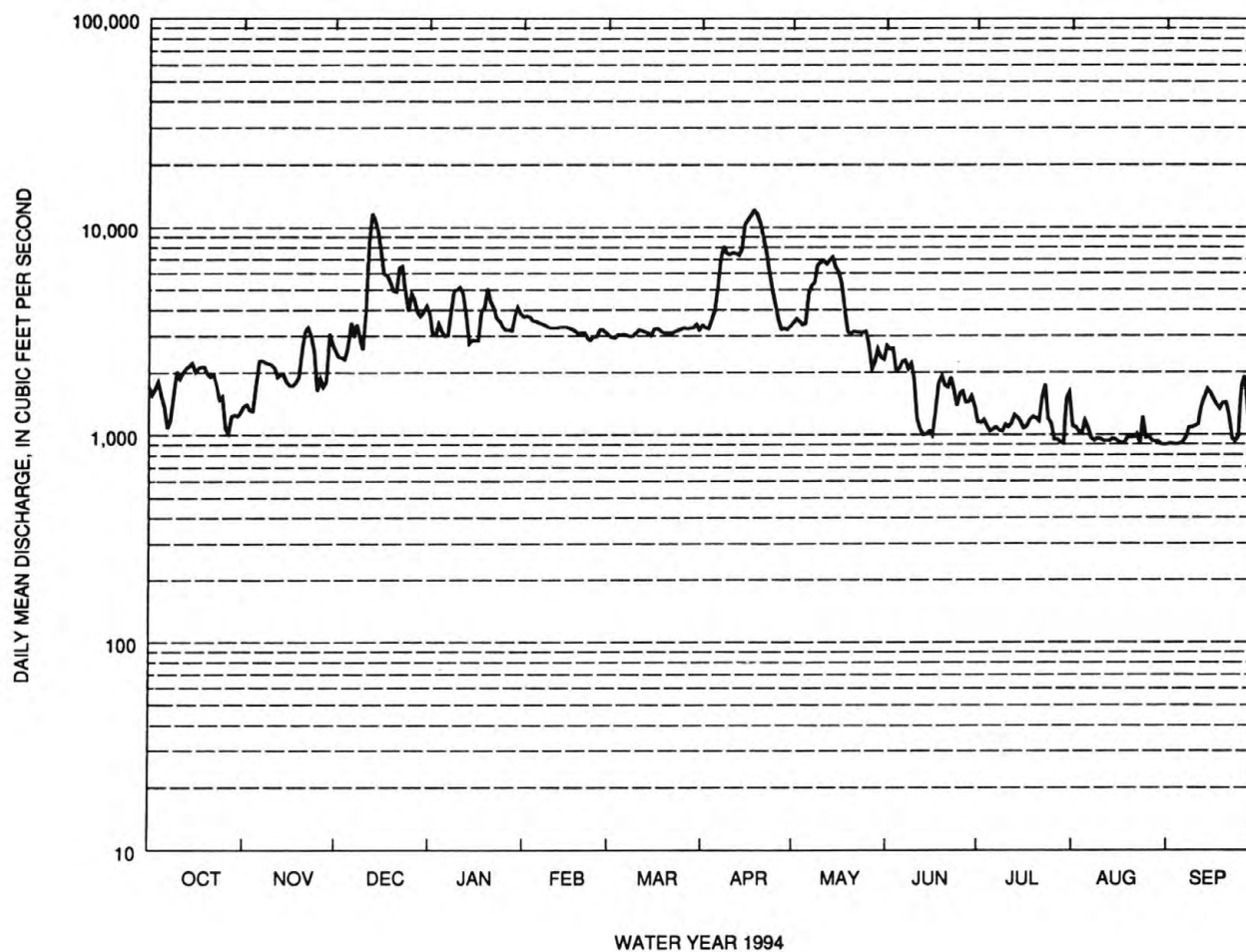
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1960 - 1994

ANNUAL TOTAL	820624	1058093	
ANNUAL MEAN	2248	2899	2643
HIGHEST ANNUAL MEAN			3863
LOWEST ANNUAL MEAN			1280
			1960
			1985
HIGHEST DAILY MEAN	17400	Apr 13	12100
LOWEST DAILY MEAN	870	Aug 24	895
ANNUAL SEVEN-DAY MINIMUM	878	Aug 23	902
			Aug 30
			327
			Nov 6 1964
INSTANTANEOUS PEAK FLOW			12600
INSTANTANEOUS PEAK STAGE			10.50
			Apr 18
			Apr 18
			23500
			12.76
			May 29 1961
			May 29 1961
10 PERCENT EXCEEDS	3960	5340	4860
50 PERCENT EXCEEDS	1510	2580	2200
90 PERCENT EXCEEDS	935	982	969



01021050 ST. CROIX RIVER AT MILLTOWN, ME
(National stream-quality accounting network station)

LOCATION.--Lat 45°10'11", long 67°17'50", Washington County, Hydrologic Unit 01050001, on right bank 30 ft downstream from international highway bridge at Milltown.

DRAINAGE AREA.--1,460 mi².

PERIOD OF RECORD.--Water years 1969 to current year.

CHEMICAL ANALYSES: Water years 1969 to August 1994 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1972 to current year.

pH: July 1972 to current year.

WATER TEMPERATURE: September 1969 to current year.

DISSOLVED OXYGEN: September 1969 to current year.

INSTRUMENTATION.--Water-quality monitor since September 1969. Continuous flow through system. Submersible pump located 50 ft streamward from right bank, and 1.5 ft above river bed.

REMARKS.--No record after April 8, 1995, monitor temporally shut down due to funding cuts. Monitor not operated during winter periods, water years 1970 to 1975. Other interruptions in the record were due to malfunctions of the monitor or pumping system. Water discharge records from the St. Croix River at Baring (station 01021000) are used for computation of instantaneous discharge.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 375 µS/cm, Mar. 6, 1989; minimum, 23 µS/cm, May 2-4, 6, 1979.

pH: Maximum, 11.6 units, Sept. 28, 1974; minimum, 5.3 units, Oct. 18, 1973.

WATER TEMPERATURE: Maximum, 28.0°C, July 21-22, 1977; minimum, 0.0°C, on many days during winter periods.

DISSOLVED OXYGEN: Maximum, 14.4 mg/L, Nov. 16, 1976; minimum, 0.5 mg/L, Aug. 19, 1975, Aug. 28, 1980.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS- CHARGE, INST.	SPE- CIFIC	PH WATER WHOLE	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES-	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT UM-MF (COLS./ 100 ML) (31625)	COLI- FORM, FECAL, 0.7 KF AGAR (COLS. PER 100 ML) (31673)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
		CUBIC	CON- DUCT-	FIELD (STAND-				SURE		OXYGEN, DIS- SOLVED	(PER- CENT UM-MF (COLS./ 100 ML) (31625)	
		FEET	DUCT-	(STAND-				(MM		(MG/L)	(COLS./	
		PER	ANCE	ARD				OF				
		SECOND (00061)	(US/CM) (00095)	UNITS) (00400)				HG) (00025)				
OCT												
29...	1030	1250	130	7.3	10.5	7.0	1.6	760	10.4	86	<17	37
JAN												
31...	1515	3820	57	6.6	-10.5	0.0	1.1	760	12.8	88	21	<19
APR												
27...	0830	3240	62	6.7	6.0	6.0	0.60	760	12.8	103	K 63	54
AUG												
04...	0930	990	156	7.2	24.0	24.5	0.50	761	6.4	77	60	>650

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)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LITY 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)
OCT											
29...	16	4.9	0.93	18	1.4	26	0	21	18	11	0.10
JAN											
31...	12	3.7	0.71	5.4	0.50	10	0	8	7.5	4.6	<0.10
APR											
27...	10	3.1	0.56	7.4	0.60	9	0	7	9.0	5.9	<0.10
AUG											
04...	17	5.4	0.77	22	1.4	22	0	18	24	14	<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.

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT 29...	2.6	80	70	<0.01	0.08	0.08	0.05	0.06	0.40
JAN 31...	3.1	44	31	0.01	0.06	0.06	0.03	0.04	0.20
APR 27...	2.4	44	34	<0.01	--	<0.05	0.05	0.06	0.30
AUG 04...	1.3	100	81	0.02	0.15	0.15	0.05	0.06	0.40
DATE	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)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
OCT 29...	0.02	<0.01	<0.01	130	7	<3	120	<4	34
JAN 31...	0.02	0.01	<0.01	80	5	<3	97	<4	23
APR 27...	0.01	<0.01	<0.01	90	4	<3	78	<4	22
AUG 04...	0.04	0.03	0.01	60	9	<3	130	<4	54
DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 29...	<10	<1	<1	<1.0	24	<6	5	17	83
JAN 31...	<10	<1	<1	<1.0	17	<6	7	72	71
APR 27...	<10	<1	<1	<1.0	14	<6	3	26	90
AUG 04...	<10	<1	<1	<1.0	25	<6	4	11	76

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	113	108	111	123	118	121	103	88	93	66	62	65
2	113	101	106	126	121	124	100	87	93	68	64	65
3	116	102	111	129	121	125	100	89	93	74	66	70
4	102	93	98	137	127	133	94	92	93	70	67	68
5	93	72	80	148	135	140	95	92	94	73	68	71
6	72	53	67	135	110	115	97	77	83	87	73	82
7	53	46	48	110	105	107	80	74	76	86	83	85
8	56	50	54	106	103	105	82	71	78	97	87	91
9	56	50	53	106	102	104	77	70	72	95	88	91
10	50	45	48	107	103	105	92	77	84	90	81	85
11	56	45	48	110	106	108	87	67	76	88	79	83
12	75	56	69	118	108	113	66	48	55	88	78	83
13	99	75	89	120	118	119	---	---	---	92	82	86
14	97	81	86	121	116	119	---	---	---	94	83	87
15	84	80	82	122	118	121	---	---	---	94	82	86
16	88	81	84	128	121	126	---	---	---	82	80	81
17	92	86	90	128	121	125	---	---	---	84	77	80
18	87	80	83	127	117	120	---	---	---	88	70	79
19	92	87	90	129	117	122	---	---	---	78	70	75
20	93	88	92	117	98	106	---	---	---	77	67	70
21	97	91	94	99	86	95	56	46	51	72	67	69
22	95	88	91	88	84	85	49	42	45	71	67	69
23	98	89	92	90	86	89	---	---	---	71	70	71
24	114	98	107	100	85	93	---	---	---	72	70	71
25	117	103	110	129	97	110	---	---	---	71	69	71
26	127	104	113	131	117	124	---	---	---	71	69	70
27	142	127	135	121	115	118	---	---	---	71	57	64
28	141	138	139	123	111	121	---	---	---	65	61	63
29	139	129	134	116	86	103	---	---	---	85	59	76
30	129	127	128	98	80	87	61	59	60	59	56	57
31	129	121	125	---	---	---	62	61	62	60	56	57
MONTH	142	45	92	148	80	113	103	42	75	97	56	75

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	64	60	62	88	82	84	74	67	70	---	---	---
2	68	63	65	92	85	89	70	66	67	---	---	---
3	73	68	71	92	89	91	67	58	61	---	---	---
4	77	71	73	94	87	91	67	59	62	---	---	---
5	76	74	75	95	93	94	68	66	67	---	---	---
6	79	73	75	93	89	92	68	61	65	---	---	---
7	79	74	75	92	89	91	62	52	59	---	---	---
8	75	74	75	91	90	91	---	---	---	---	---	---
9	76	74	75	92	88	91	---	---	---	---	---	---
10	76	74	75	91	85	88	---	---	---	---	---	---
11	76	75	75	92	86	89	---	---	---	---	---	---
12	76	75	75	86	80	83	---	---	---	---	---	---
13	75	74	75	84	82	83	---	---	---	---	---	---
14	77	75	76	86	83	84	---	---	---	---	---	---
15	76	73	75	94	84	88	---	---	---	---	---	---
16	76	75	76	93	82	84	---	---	---	---	---	---
17	76	74	75	85	81	83	---	---	---	---	---	---
18	76	74	75	81	79	80	---	---	---	---	---	---
19	78	75	76	83	79	81	---	---	---	---	---	---
20	78	75	77	80	76	79	---	---	---	---	---	---
21	78	75	77	78	74	76	---	---	---	---	---	---
22	86	75	81	79	78	78	---	---	---	---	---	---
23	87	84	85	79	78	78	---	---	---	---	---	---
24	85	83	84	78	71	74	---	---	---	---	---	---
25	86	83	84	73	71	72	---	---	---	---	---	---
26	87	80	84	75	72	74	---	---	---	---	---	---
27	83	78	81	75	74	75	---	---	---	---	---	---
28	86	82	84	75	74	75	---	---	---	---	---	---
29	---	---	---	75	72	74	---	---	---	---	---	---
30	---	---	---	73	69	71	---	---	---	---	---	---
31	---	---	---	74	69	70	---	---	---	---	---	---
MONTH PERIOD	87 148	60 42	76 86	95	69	82	74	52	64	---	---	---

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	6.6	6.6	6.6	6.9	6.9	6.9	6.9	6.8	6.8	---	---	---
2	6.6	6.6	6.6	7.0	6.9	6.9	6.9	6.8	6.8	---	---	---
3	6.7	6.6	6.6	7.0	7.0	7.0	6.8	6.8	6.8	---	---	---
4	6.7	6.7	6.7	7.0	6.9	7.0	6.8	6.7	6.8	---	---	---
5	6.7	6.7	6.7	7.0	7.0	7.0	6.8	6.8	6.8	---	---	---
6	6.7	6.7	6.7	7.0	6.9	6.9	6.8	6.8	6.8	---	---	---
7	6.7	6.7	6.7	7.0	6.9	7.0	6.9	6.8	6.8	---	---	---
8	6.7	6.7	6.7	7.0	6.9	6.9	---	---	---	---	---	---
9	6.7	6.7	6.7	6.9	6.9	6.9	---	---	---	---	---	---
10	6.7	6.7	6.7	6.9	6.9	6.9	---	---	---	---	---	---
11	6.7	6.7	6.7	6.9	6.8	6.9	---	---	---	---	---	---
12	6.8	6.7	6.7	6.9	6.8	6.8	---	---	---	---	---	---
13	6.8	6.8	6.8	6.9	6.8	6.8	---	---	---	---	---	---
14	6.8	6.8	6.8	6.9	6.8	6.8	---	---	---	---	---	---
15	6.8	6.8	6.8	6.9	6.8	6.9	---	---	---	---	---	---
16	6.9	6.8	6.8	6.9	6.9	6.9	---	---	---	---	---	---
17	6.9	6.8	6.8	6.9	6.9	6.9	---	---	---	---	---	---
18	6.8	6.8	6.8	6.9	6.8	6.9	---	---	---	---	---	---
19	6.8	6.8	6.8	6.9	6.9	6.9	---	---	---	---	---	---
20	6.9	6.8	6.9	6.9	6.9	6.9	---	---	---	---	---	---
21	6.9	6.9	6.9	6.9	6.8	6.8	---	---	---	---	---	---
22	6.9	6.9	6.9	6.9	6.8	6.9	---	---	---	---	---	---
23	7.0	6.9	6.9	6.9	6.8	6.9	---	---	---	---	---	---
24	7.0	6.9	6.9	6.8	6.8	6.8	---	---	---	---	---	---
25	7.0	6.9	6.9	6.8	6.8	6.8	---	---	---	---	---	---
26	7.0	6.9	6.9	6.8	6.8	6.8	---	---	---	---	---	---
27	7.0	6.9	6.9	6.9	6.8	6.8	---	---	---	---	---	---
28	6.9	6.9	6.9	6.9	6.8	6.8	---	---	---	---	---	---
29	---	---	---	6.8	6.8	6.8	---	---	---	---	---	---
30	---	---	---	6.8	6.8	6.8	---	---	---	---	---	---
31	---	---	---	6.8	6.8	6.8	---	---	---	---	---	---
MONTH PERIOD	7.0 7.5	6.6 6.4	6.8 6.9	7.0	6.8	6.9	6.9	6.7	6.8	---	---	---

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	.5	.0	.5	.5	.5	.5	3.5	1.5	2.5	---	---	---
2	.5	.0	.5	.5	.5	.5	3.5	1.5	2.5	---	---	---
3	.5	.5	.5	.5	.5	.5	3.5	2.0	2.5	---	---	---
4	.5	.5	.5	.5	.5	.5	3.5	2.5	3.0	---	---	---
5	.5	.5	.5	.5	.5	.5	4.5	2.0	3.0	---	---	---
6	.5	.5	.5	.5	.5	.5	3.5	2.5	3.0	---	---	---
7	.5	.5	.5	.5	.5	.5	3.0	2.5	2.5	---	---	---
8	.5	.0	.5	.5	.5	.5	---	---	---	---	---	---
9	.5	.0	.5	.5	.5	.5	---	---	---	---	---	---
10	.5	.0	.5	.5	.5	.5	---	---	---	---	---	---
11	.5	.0	.5	.5	.5	.5	---	---	---	---	---	---
12	.5	.5	.5	.5	.5	.5	---	---	---	---	---	---
13	.5	.5	.5	.5	.5	.5	---	---	---	---	---	---
14	.5	.5	.5	1.0	.5	1.0	---	---	---	---	---	---
15	.5	.5	.5	1.0	.5	1.0	---	---	---	---	---	---
16	.5	.5	.5	1.0	1.0	1.0	---	---	---	---	---	---
17	.5	.5	.5	1.5	1.0	1.0	---	---	---	---	---	---
18	.5	.5	.5	1.5	.5	1.0	---	---	---	---	---	---
19	.5	.5	.5	2.0	.5	1.5	---	---	---	---	---	---
20	.5	.5	.5	1.5	.5	1.0	---	---	---	---	---	---
21	.5	.5	.5	2.5	1.0	1.5	---	---	---	---	---	---
22	.5	.5	.5	2.0	1.0	1.5	---	---	---	---	---	---
23	.5	.5	.5	2.0	1.0	1.5	---	---	---	---	---	---
24	1.0	.5	.5	3.0	1.0	2.0	---	---	---	---	---	---
25	.5	.5	.5	2.5	1.5	2.0	---	---	---	---	---	---
26	.5	.5	.5	2.5	1.5	2.0	---	---	---	---	---	---
27	.5	.5	.5	2.0	1.0	1.5	---	---	---	---	---	---
28	.5	.5	.5	2.0	1.5	2.0	---	---	---	---	---	---
29	---	---	---	2.0	1.5	1.5	---	---	---	---	---	---
30	---	---	---	3.0	1.0	2.0	---	---	---	---	---	---
31	---	---	---	3.0	1.0	2.0	---	---	---	---	---	---
MONTH PERIOD	1.0 15.5	.0 .0	.5 3.0	3.0	.5	1.0	4.5	1.5	2.5	---	---	---

01021200 DENNY'S RIVER AT DENNYVILLE, ME

LOCATION.--Lat 44°54'03", long 67°14'56", Washington County, Hydrologic Unit 01050002, on right bank 100 ft upstream from railroad bridge, 0.9 mi upstream from Cathance Stream, and 1 mi west of Dennyville.

DRAINAGE AREA.--92.9 mi².

PERIOD OF RECORD.--Discharge: October 1955 to 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.--Estimated daily discharges: Nov. 26, Dec. 2, Dec. 25-31, and Feb. 24 to Mar. 3. Records good except for periods of ice effect, Nov. 26, Dec. 2, Dec. 25-31, and Feb. 24 to Mar. 3, 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)
Dec. 12	0430	*1,630	*5.81	Apr. 14	1515	833	4.17
Dec. 22	0745	1,150	4.96	Apr. 17	0715	871	4.27
Apr. 7	2330	1,010	4.62	May 13	1815	902	4.35

Minimum discharge, 24 ft³/s, Sept. 17, gage height, 0.58 ft.

**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	63	276	256	126	442	e98.0	496	310	208	171	59	75
2	56	322	e190	122	347	e99.0	502	310	204	166	57	74
3	62	255	153	118	282	e101	476	273	196	161	62	72
4	83	214	136	107	241	102	630	246	186	127	65	70
5	110	195	263	111	212	116	697	292	178	109	63	75
6	122	357	529	110	195	111	648	593	173	109	65	88
7	98	330	389	105	184	109	836	516	250	122	62	89
8	82	240	274	104	171	131	903	413	294	121	60	81
9	74	185	222	104	156	183	705	568	248	114	63	76
10	70	158	188	103	146	232	610	507	208	110	65	73
11	65	140	557	101	138	444	675	394	184	105	64	71
12	61	132	1410	99	133	412	599	361	172	100	63	71
13	135	129	869	99	129	387	529	827	196	98	62	70
14	172	122	665	99	129	348	767	795	240	89	62	69
15	133	122	545	98	131	350	748	601	249	69	61	62
16	107	132	455	99	132	389	654	445	229	64	60	38
17	91	126	321	99	129	402	844	371	212	63	59	26
18	96	169	233	233	126	386	730	331	204	59	63	37
19	103	192	204	379	124	343	582	301	228	69	68	47
20	91	403	321	375	127	301	469	276	202	68	63	52
21	86	431	392	335	149	267	419	252	178	68	60	69
22	225	312	1070	291	171	258	379	244	176	65	63	73
23	216	233	756	246	144	349	354	236	166	64	61	73
24	161	188	409	211	e113	424	337	223	172	61	58	77
25	128	161	e287	186	e113	453	340	228	179	60	55	76
26	107	e144	e196	168	e105	460	326	297	179	64	55	73
27	104	129	e164	156	e96.0	524	335	289	173	75	55	73
28	297	129	e155	188	e95.0	530	393	264	172	76	54	74
29	294	372	e148	636	---	545	354	233	173	72	55	79
30	216	380	e141	614	---	509	320	226	173	67	68	77
31	214	---	e132	542	---	491	---	219	---	62	74	---
TOTAL	3922	6678	12030	6364	4660.0	9854.0	16657	11441	6002	2828	1904	2060
MEAN	127	223	388	205	166	318	555	369	200	91.2	61.4	68.7
MAX	297	431	1410	636	442	545	903	827	294	171	74	89
MIN	56	122	132	98	95	98	320	219	166	59	54	26
CF5M	1.36	2.40	4.18	2.21	1.79	3.42	5.98	3.97	2.15	.98	.66	.74
IN.	1.57	2.67	4.82	2.55	1.87	3.95	6.67	4.58	2.40	1.13	.76	.82

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	117	198	222	191	191	253	451	280	170	96.8	73.7	79.3
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	79.7	128	134	96.4	35.4	25.3	15.7	11.4
(WY)	1958	1979	1956	1985	1957	1971	1985	1957	1965	1965	1956	1957

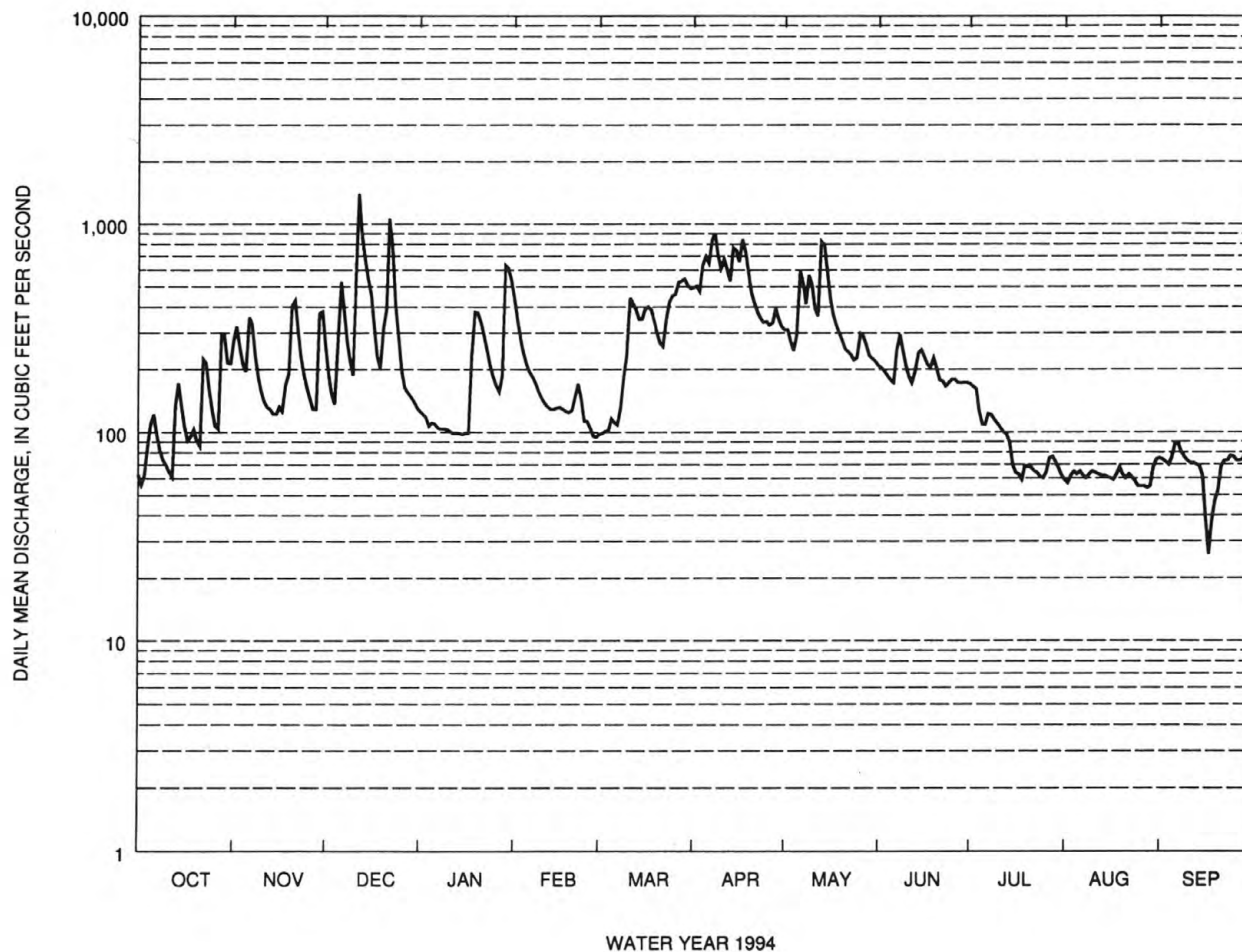
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1956 - 1994

ANNUAL TOTAL	67332		84400.0									
ANNUAL MEAN	184		231							193		
HIGHEST ANNUAL MEAN										292		1973
LOWEST ANNUAL MEAN										96.0		1985
HIGHEST DAILY MEAN	1520	Apr 12	1410	Dec 12					3350		Apr 29	1973
LOWEST DAILY MEAN	41	Aug 30	26	Sep 17					8.6		Sep 30	1957
ANNUAL SEVEN-DAY MINIMUM	43	Aug 25	47	Sep 14					9.5		Sep 25	1957
INSTANTANEOUS PEAK FLOW			1630	Dec 12					3930		Apr 29	1973
INSTANTANEOUS PEAK STAGE			5.81	Dec 12					9.35		Apr 29	1973
INSTANTANEOUS LOW FLOW			24	Sep 17					8.4		Oct 1	1957
ANNUAL RUNOFF (CFSM)	1.99		2.49						2.08			
ANNUAL RUNOFF (INCHES)	26.96		33.80						28.24			
10 PERCENT EXCEEDS	359		512						420			
50 PERCENT EXCEEDS	141		171						132			
90 PERCENT EXCEEDS	51		63						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 RECORD.--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.--Estimated daily discharge: Dec. 28 to Jan. 7. Records, including period of no gage-height record, Dec. 28 to Jan. 7, 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. 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 1988-94.

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)
Nov. 28	2305	2.98	5.86	Jan. 18	0515	2.41	5.79
Dec. 11	1335	5.27	6.08	Jan. 28	2245	3.53	5.92
Dec. 21	2020	*6.04	*6.14	Apr. 14	0245	2.26	5.77

No flow Oct. 1-13, July 7, July 12 to Sept. 24, and Sept. 26, 27, 30.

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	.000	.28	.12	e.088	.12	.024	.22	.15	.045	.010	.000	.000
2	.000	.23	.093	e.074	.091	.019	.23	.16	.042	.007	.000	.000
3	.000	.12	.079	e.064	.077	.018	.49	.12	.035	.004	.000	.000
4	.000	.20	.072	e.056	.065	.021	1.01	.10	.029	.002	.000	.000
5	.003	.19	.51	e.050	.057	.022	.58	.43	.025	.001	.000	.000
6	.001	.39	.33	e.044	.054	.018	.55	.58	.024	.002	.000	.000
7	.000	.17	.16	e.040	.045	.018	1.16	.25	.12	.000	.000	.000
8	.000	.11	.11	.036	.024	.14	.48	.24	.069	.002	.000	.000
9	.000	.083	.082	.036	.022	.11	.31	.32	.043	.003	.000	.000
10	.000	.065	.083	.029	.025	.33	.87	.20	.029	.003	.000	.000
11	.000	.058	2.41	.025	.020	.39	.61	.14	.023	.001	.000	.000
12	.000	.052	.79	.022	.022	.14	.37	.13	.018	.000	.000	.000
13	.017	.047	.30	.022	.021	.099	.37	.19	.046	.000	.000	.000
14	.008	.045	.24	.022	.022	.082	1.13	.16	.19	.000	.000	.000
15	.003	.053	.50	.022	.021	.089	.43	.12	.13	.000	.000	.000
16	.002	.049	.35	.022	.022	.11	.45	.11	.071	.000	.000	.000
17	.002	.035	.19	.038	.022	.10	.55	.12	.046	.000	.000	.000
18	.011	.069	.13	.84	.019	.082	.28	.096	.076	.000	.000	.000
19	.010	.072	.19	.25	.020	.070	.19	.084	.13	.000	.000	.000
20	.003	.87	.23	.15	.036	.065	.15	.072	.063	.000	.000	.000
21	.011	.23	1.37	.11	.13	.061	.13	.062	.044	.000	.000	.000
22	.13	.13	1.04	.091	.14	.060	.11	.053	.042	.000	.000	.000
23	.066	.092	.41	.071	.080	.062	.10	.050	.028	.000	.000	.000
24	.038	.076	.26	.068	.069	.085	.10	.049	.019	.000	.000	.000
25	.027	.056	.22	.057	.052	.15	.088	.099	.015	.000	.000	.001
26	.019	.046	.18	.052	.039	.14	.080	.11	.017	.000	.000	.000
27	.038	.040	.15	.048	.038	.11	.13	.089	.014	.000	.000	.000
28	.15	.59	e.13	.84	.032	.14	.14	.076	.013	.000	.000	.001
29	.080	.88	e.12	1.22	---	.18	.11	.060	.012	.000	.000	.001
30	.052	.23	e.11	.31	---	.16	.10	.052	.012	.000	.000	.000
31	.050	---	e.10	.18	---	.16	---	.050	---	.000	.000	---
TOTAL	0.721	5.558	11.059	4.977	1.385	3.255	11.518	4.522	1.470	0.035	0.000	0.003
MEAN	.023	.19	.36	.16	.049	.10	.38	.15	.049	.001	.000	.000
MAX	.15	.88	2.41	1.22	.14	.39	1.16	.58	.19	.010	.000	.001
MIN	.000	.035	.072	.022	.019	.018	.080	.049	.012	.000	.000	.000

e Estimated

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.10	.20	.14	.11	.057	.19	.27	.17	.049	.006	.006	.014
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	.023	.13	.032	.019	.035	.10	.16	.059	.009	.000	.000	.000
(WY)	1994	1993	1990	1989	1992	1994	1988	1993	1988	1991	1993	1993

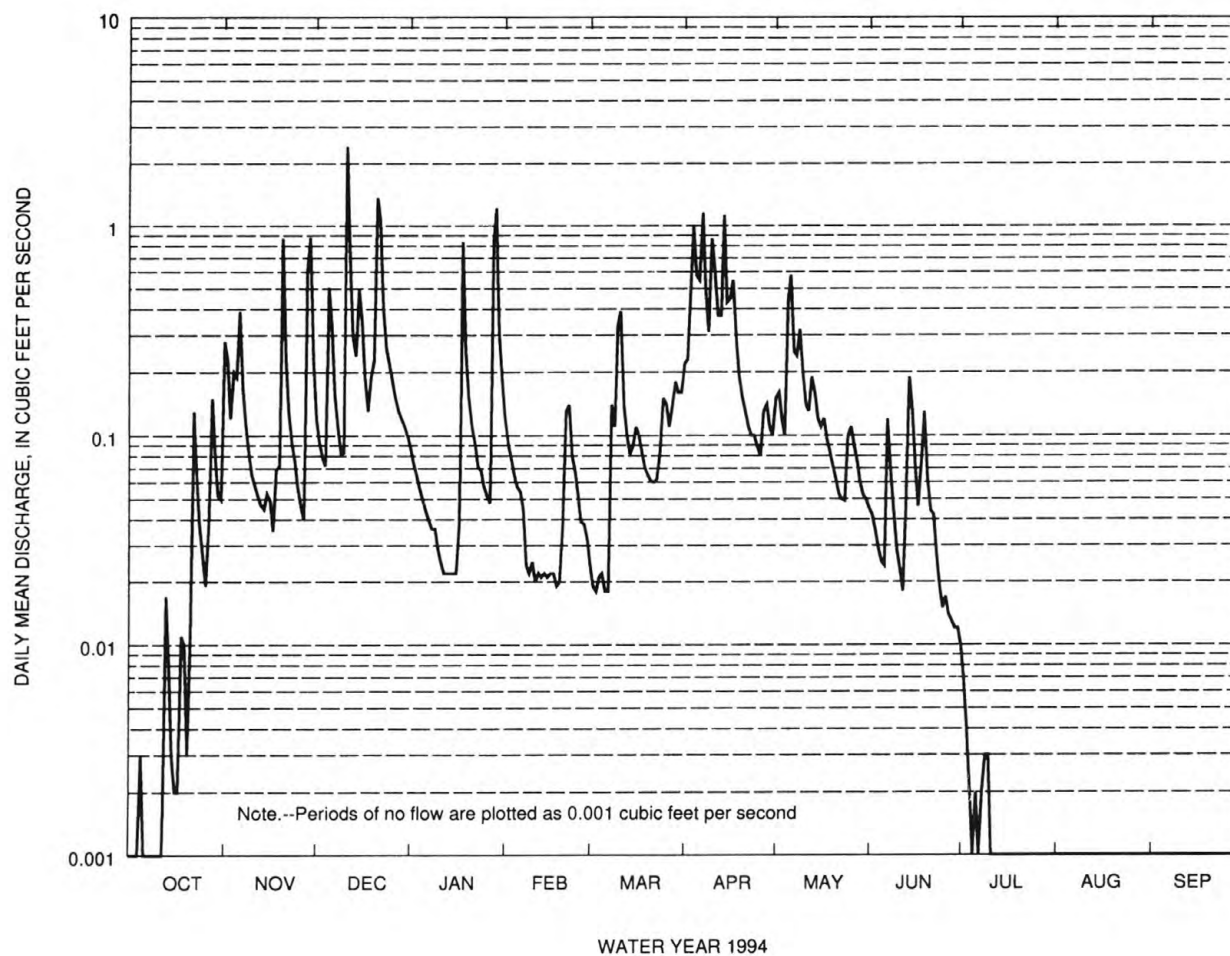
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1988 - 1994

ANNUAL TOTAL	42.888	44.503	
ANNUAL MEAN	.12	.12	.11
HIGHEST ANNUAL MEAN			.12 1990
LOWEST ANNUAL MEAN			.094 1993
HIGHEST DAILY MEAN	3.16 Apr 11	2.41 Dec 11	4.95 Mar 27 1988
LOWEST DAILY MEAN	.000 Jul 6	.000 Oct 1	.000 Jun 14 1988
ANNUAL SEVEN-DAY MINIMUM	.00 Jul 6	.00 Jul 12	.00 Jun 14 1988
INSTANTANEOUS PEAK FLOW		6.0 Dec 21	9.9 Mar 27 1988
INSTANTANEOUS PEAK STAGE		6.14 Dec 21	6.39 Mar 27 1988
INSTANTANEOUS LOW FLOW		.00 Oct 1	.00 Jun 20 1988
10 PERCENT EXCEEDS	.28	.31	.25
50 PERCENT EXCEEDS	.04	.05	.04
90 PERCENT EXCEEDS	.00	.00	.00



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 RECORD.--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.--No estimated daily discharges. Records 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. 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)
Nov. 28	2330	2.41	5.79	Jan. 28	2220	3.44	5.91
Dec. 11	1345	*5.40	*6.09	Apr. 14	0220	2.57	5.81
Dec. 21	2055	4.57	6.02				

Minimum discharge, 0.001 ft³/s, Aug. 7, 17, 18, 28-31, and Sept. 2, gage-height, 5.03 ft.

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

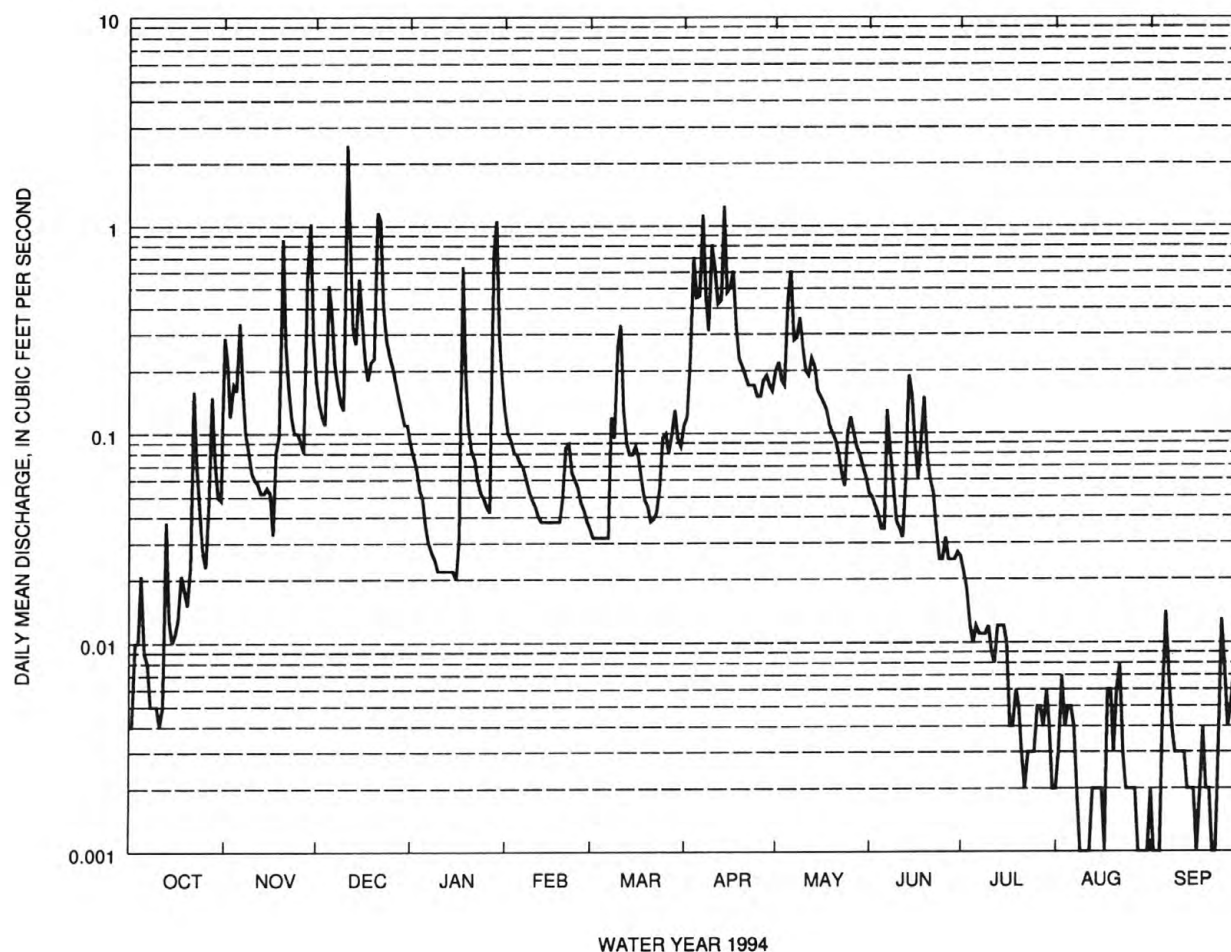
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.004	.29	.18	.090	.13	.035	.11	.20	.052	.026	.002	.002
2	.004	.22	.14	.078	.10	.032	.12	.22	.050	.022	.003	.001
3	.010	.12	.12	.067	.092	.032	.24	.18	.045	.018	.007	.001
4	.010	.17	.11	.054	.081	.032	.71	.17	.041	.012	.004	.001
5	.021	.16	.52	.049	.079	.032	.45	.45	.035	.010	.005	.006
6	.009	.34	.38	.036	.072	.032	.46	.61	.035	.012	.005	.014
7	.008	.17	.22	.030	.069	.032	1.14	.28	.13	.011	.004	.007
8	.005	.10	.17	.027	.060	.12	.47	.29	.081	.011	.002	.004
9	.005	.083	.14	.025	.053	.095	.31	.36	.054	.011	.001	.003
10	.005	.065	.13	.022	.048	.26	.81	.26	.038	.012	.001	.003
11	.004	.060	2.46	.022	.045	.33	.63	.20	.035	.009	.001	.003
12	.005	.058	.90	.022	.040	.13	.42	.19	.032	.008	.001	.003
13	.038	.052	.32	.022	.038	.090	.44	.23	.059	.012	.002	.002
14	.013	.052	.27	.022	.038	.079	1.25	.21	.19	.012	.002	.002
15	.010	.055	.56	.022	.038	.079	.48	.16	.15	.012	.002	.002
16	.011	.052	.36	.020	.038	.087	.51	.15	.088	.010	.002	.001
17	.013	.033	.23	.032	.038	.077	.61	.14	.061	.004	.001	.002
18	.021	.081	.18	.64	.038	.059	.32	.13	.095	.004	.006	.004
19	.018	.098	.22	.20	.038	.048	.23	.11	.15	.006	.006	.002
20	.015	.86	.23	.11	.049	.045	.21	.10	.077	.005	.003	.002
21	.023	.27	1.16	.083	.086	.038	.19	.092	.059	.003	.006	.001
22	.16	.17	1.05	.075	.089	.039	.17	.080	.052	.002	.008	.001
23	.070	.12	.41	.060	.065	.042	.17	.065	.035	.003	.003	.003
24	.043	.10	.28	.052	.060	.055	.17	.056	.025	.003	.002	.013
25	.027	.10	.24	.049	.055	.095	.15	.10	.025	.003	.002	.008
26	.023	.091	.21	.045	.047	.10	.15	.12	.032	.005	.002	.004
27	.047	.081	.18	.042	.043	.081	.18	.10	.025	.005	.002	.005
28	.15	.55	.15	.71	.038	.10	.19	.086	.025	.004	.001	.007
29	.073	1.03	.13	1.06	---	.13	.17	.079	.025	.006	.001	.010
30	.050	.29	.11	.30	---	.095	.16	.069	.027	.004	.001	.008
31	.048	---	.11	.18	---	.087	---	.062	---	.002	.001	---
TOTAL	0.943	5.921	11.87	4.246	1.667	2.588	11.62	5.549	1.828	0.267	0.089	0.125
MEAN	.030	.20	.38	.14	.060	.083	.39	.18	.061	.009	.003	.004
MAX	.16	1.03	2.46	1.06	.13	.33	1.25	.61	.19	.026	.008	.014
MIN	.004	.033	.11	.020	.038	.032	.11	.056	.025	.002	.001	.001

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.10	.18	.15	.099	.056	.17	.28	.18	.058	.014	.012	.021
MAX	.15	.25	.38	.16	.088	.32	.47	.51	.11	.047	.025	.073
(WY)	1991	1989	1994	1992	1990	1991	1993	1989	1989	1992	1992	1991
MIN	.030	.13	.034	.020	.040	.083	.17	.072	.017	.005	.002	.003
(WY)	1994	1993	1990	1989	1991	1994	1988	1993	1988	1991	1993	1993

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR	FOR 1994 WATER YEAR	WATER YEARS 1988 - 1994
ANNUAL TOTAL	45.461	46.713	
ANNUAL MEAN	.12	.13	.11
HIGHEST ANNUAL MEAN			.13
LOWEST ANNUAL MEAN			.098
			1994
			1993
HIGHEST DAILY MEAN	3.19 Apr 11	2.46 Dec 11	4.25 Mar 27 1988
LOWEST DAILY MEAN	.000 Aug 27	.001 Aug 9	.000 Jul 16 1988
ANNUAL SEVEN-DAY MINIMUM	.00 Aug 26	.00 Aug 28	.00 Aug 26 1993
INSTANTANEOUS PEAK FLOW		5.4 Dec 11	8.7 Mar 27 1988
INSTANTANEOUS PEAK STAGE		6.09 Dec 11	6.47 Mar 27 1988
INSTANTANEOUS LOW FLOW		.00 Aug 7	.00 Aug 1 1991
10 PERCENT EXCEEDS	.29	.30	.24
50 PERCENT EXCEEDS	.04	.05	.05
90 PERCENT EXCEEDS	.00	.00	.00



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.--Estimated daily discharges: Dec. 28 to Jan. 1, Jan. 6-19, 25-28, Feb. 8-15, 17, Feb. 24 to Mar. 3, Mar. 6-7, and Sept. 26-30. Records good except for periods of ice effect, Dec. 28 to Jan. 1, Jan. 6-19, 25-28, Feb. 8-15, 17, Feb. 24 to Mar. 3, Mar. 6-7, and period of doubtful gage height record, Sept. 26-30, 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)
Dec. 12	0715	*3,960	*13.46	Apr. 8	0300	2,300	11.94
Dec. 22	2130	3,080	12.69	Apr. 14	2200	2,720	12.36
Jan. 29	1600	2,490	12.14				

Minimum discharge, 38 ft³/s, Sept. 22, gage height, 7.11 ft.

**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	104	456	1080	e538	1530	e198	974	601	312	131	66	43
2	84	573	785	528	1190	e189	987	724	294	123	63	43
3	82	499	624	501	874	e191	920	665	269	115	60	42
4	104	471	535	438	669	191	1380	575	250	106	60	40
5	140	450	793	404	547	205	1590	673	233	97	62	47
6	178	783	1330	e418	475	e200	1580	1510	222	96	66	82
7	152	688	1180	e411	421	e196	1890	1340	460	98	64	97
8	129	526	975	e404	e362	254	2190	1220	538	99	59	85
9	113	422	786	e398	e326	374	1820	1560	423	104	55	75
10	101	357	650	e391	e300	503	1510	1300	336	108	53	65
11	90	311	1670	e388	e275	1030	1710	1030	277	109	50	60
12	81	286	3780	e381	e259	959	1680	824	238	96	48	56
13	152	269	3400	e378	e246	844	1470	823	325	86	46	53
14	217	251	2810	e369	e243	751	2300	821	364	81	47	51
15	178	245	2170	e362	e243	713	2570	744	426	75	47	48
16	161	248	1750	e356	242	731	2130	654	405	74	45	45
17	150	236	1410	e353	e228	735	2200	660	336	72	43	45
18	236	319	1110	e850	230	714	1910	620	278	71	52	48
19	251	370	957	e1260	225	651	1530	556	303	82	88	44
20	191	924	1160	1210	237	584	1220	500	346	84	83	41
21	164	1140	1310	1130	294	524	1030	450	313	76	70	41
22	342	993	2800	1040	347	566	887	408	277	70	83	39
23	368	767	2880	880	323	1070	779	375	238	66	87	39
24	278	587	2200	722	e303	1290	702	346	204	63	74	58
25	227	471	1550	e598	e291	1250	653	374	179	62	64	86
26	189	389	1100	e546	e259	1260	600	607	172	66	58	86
27	175	343	764	e530	e228	1180	642	564	162	70	55	e75
28	388	354	e704	e636	e216	1190	766	487	148	76	52	e72
29	385	1240	e657	2110	---	1210	726	419	141	85	49	e81
30	307	1290	e617	1970	---	1040	632	369	135	78	45	e86
31	346	---	e574	1780	---	976	---	338	---	70	42	---
TOTAL	6063	16258	44111	22280	11383	21769	40978	22137	8604	2689	1836	1773
MEAN	196	542	1423	719	407	702	1366	714	287	86.7	59.2	59.1
MAX	388	1290	3780	2110	1530	1290	2570	1560	538	131	88	97
MIN	81	236	535	353	216	189	600	338	135	62	42	39
CFSM	.86	2.39	6.27	3.17	1.79	3.09	6.02	3.15	1.26	.38	.26	.26
IN.	.99	2.66	7.23	3.65	1.87	3.57	6.72	3.63	1.41	.44	.30	.29

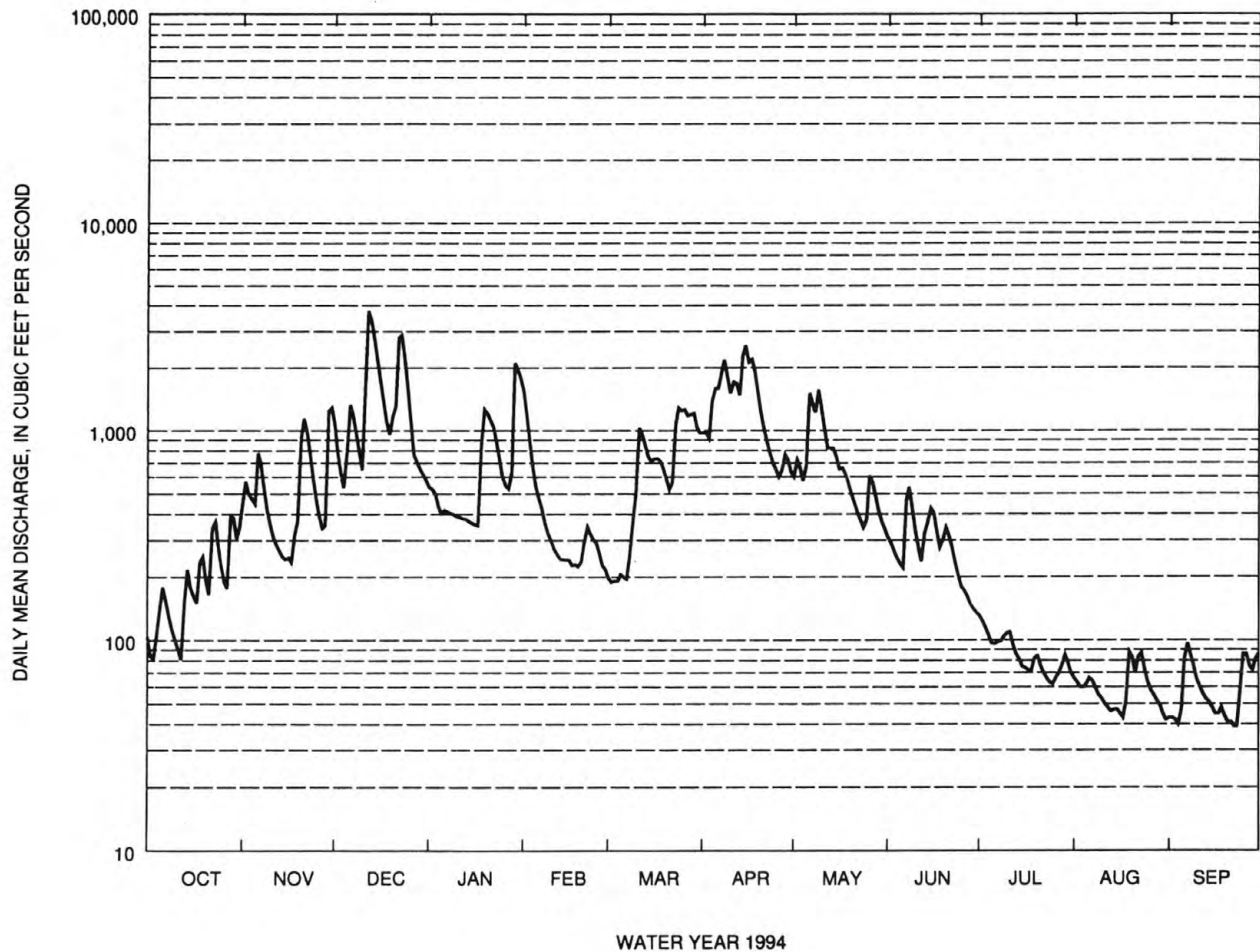
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01022500 NARRAGUAGUS RIVER AT CHERRYFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	278	588	661	498	467	699	1236	687	340	182	138	167
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1948 - 1994	
ANNUAL TOTAL	178124		199881			
ANNUAL MEAN	488		548		495	
HIGHEST ANNUAL MEAN					761	
LOWEST ANNUAL MEAN					272	
					1973	
HIGHEST DAILY MEAN	6470		3780		9490	
LOWEST DAILY MEAN	29		39		7.1	
ANNUAL SEVEN-DAY MINIMUM	31		42		22	
					May 28 1961	
INSTANTANEOUS PEAK FLOW			3960		10400	
INSTANTANEOUS PEAK STAGE			13.46		17.40	
INSTANTANEOUS LOW FLOW			38		3.0	
					May 28 1961	
					Sep 2 1978	
ANNUAL RUNOFF (CFSM)	2.15		2.41		2.18	
ANNUAL RUNOFF (INCHES)	29.19		32.76		29.62	
10 PERCENT EXCEEDS	1210		1300		1140	
50 PERCENT EXCEEDS	236		347		301	
90 PERCENT EXCEEDS	42		60		75	



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.--Estimated daily discharges: Dec. 18-23, Dec. 27 to Apr. 15, June 12-14,21,25, July 13-15, 19,24,25, Aug. 1,2,4,5,8,9, and Aug. 28 to Sept. 16. Records good except for period of ice effect, Dec. 27 to Apr. 15, periods of doubtful gage-height record, June 12-14,21,25, July 13-15, 19,24,25, Aug. 1,2,4,5,8, and 9, and periods of no gage-height record, Dec. 18-23 and Aug. 28 to Sept. 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, 29,200 ft³/s, Mar. 23, 1936, gage height, 17.34 ft present datum; minimum discharge, 38 ft³/s, Sept. 19, 1952.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 24,900 ft³/s, Apr. 19, gage height, 15.73 ft; Minimum discharge 58 ft³/s, Sept. 23, gage height 1.66 ft.

**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	747	2720	3670	e2390	e1650	e1080	e2210	9510	2660	1100	e573	e93
2	659	2910	3490	e2250	e1580	e1040	e2260	9250	2390	1120	e472	e90
3	595	3040	3500	e2100	e1480	e1010	e2300	8930	2190	1150	401	e88
4	740	3040	3160	e1850	e1380	e980	e2510	8490	1970	1260	e359	e86
5	1340	3100	3020	e1600	e1300	e960	e2940	7870	1760	1150	e329	e84
6	1980	3430	3370	e1490	e1210	e930	e3500	7570	1600	1050	312	e93
7	2050	4150	3620	e1400	e1150	e910	e4200	7750	1490	948	301	e115
8	1810	4700	3490	e1310	e1070	e900	e5300	7890	1420	869	e289	e128
9	1550	4760	3210	e1250	e1010	e920	e6410	7970	1320	786	e254	e118
10	1410	4450	2920	e1200	e970	e970	e7450	8350	1220	705	235	e114
11	1380	3950	3360	e1150	e930	e1000	e8660	8450	1110	651	218	e113
12	1380	3480	6640	e1100	e890	e1020	e10000	8060	e969	589	189	e112
13	1430	3120	10600	e1060	e850	e1040	e11600	7560	e859	e506	175	e111
14	1830	2880	12000	e1040	e810	e1030	e13600	7360	e808	e453	172	e104
15	2290	2740	12400	e1000	e780	e1040	e16100	7220	838	e404	152	e97
16	2430	2840	11900	e970	e750	e1060	19700	6770	866	370	146	e92
17	2280	3020	10500	e950	e710	e1080	22500	6130	915	345	141	88
18	2070	3040	e9300	e930	e690	e1090	24400	5400	907	324	130	79
19	1890	2970	e8200	e910	e670	e1100	24800	4730	1170	e324	136	76
20	1700	3080	e7100	e890	e680	e1110	24100	4150	1480	349	129	72
21	1560	3640	e7150	e870	e720	e1100	22500	3630	e1570	439	123	68
22	2410	4080	e7550	e860	e900	e1080	20100	3200	1720	488	137	64
23	4030	4100	e7250	e840	e1180	e1100	17200	2850	2330	490	145	60
24	4750	3810	6750	e830	e1420	e1220	14500	2540	2430	e616	143	63
25	4740	3070	6550	e820	e1410	e1350	12300	2320	e2090	e660	134	65
26	4260	2440	5890	e810	e1320	e1480	11100	2290	1640	613	122	65
27	3620	2440	e4350	e800	e1230	e1600	10200	2730	1330	619	115	62
28	3230	2440	e3640	e790	e1130	e1780	9710	3420	1120	602	e110	84
29	3150	3000	e3170	e780	---	e2000	9620	3610	990	570	e104	147
30	3050	3640	e2830	e1260	---	e2120	9710	3350	950	677	e100	323
31	2850	---	e2580	e1660	---	e2180	---	2970	---	689	e95	---
TOTAL	69211	100080	183160	37160	29870	37280	351480	182320	44112	20916	6441	2954
MEAN	2233	3336	5908	1199	1067	1203	11720	5881	1470	675	208	98.5
MAX	4750	4760	12400	2390	1650	2180	24800	9510	2660	1260	573	323
MIN	595	2440	2580	780	670	900	2210	2290	808	324	95	60
CFSM	1.57	2.35	4.17	.85	.75	.85	8.26	4.15	1.04	.48	.15	.07
IN.	1.82	2.63	4.81	.97	.78	.98	9.22	4.78	1.16	.55	.17	.08

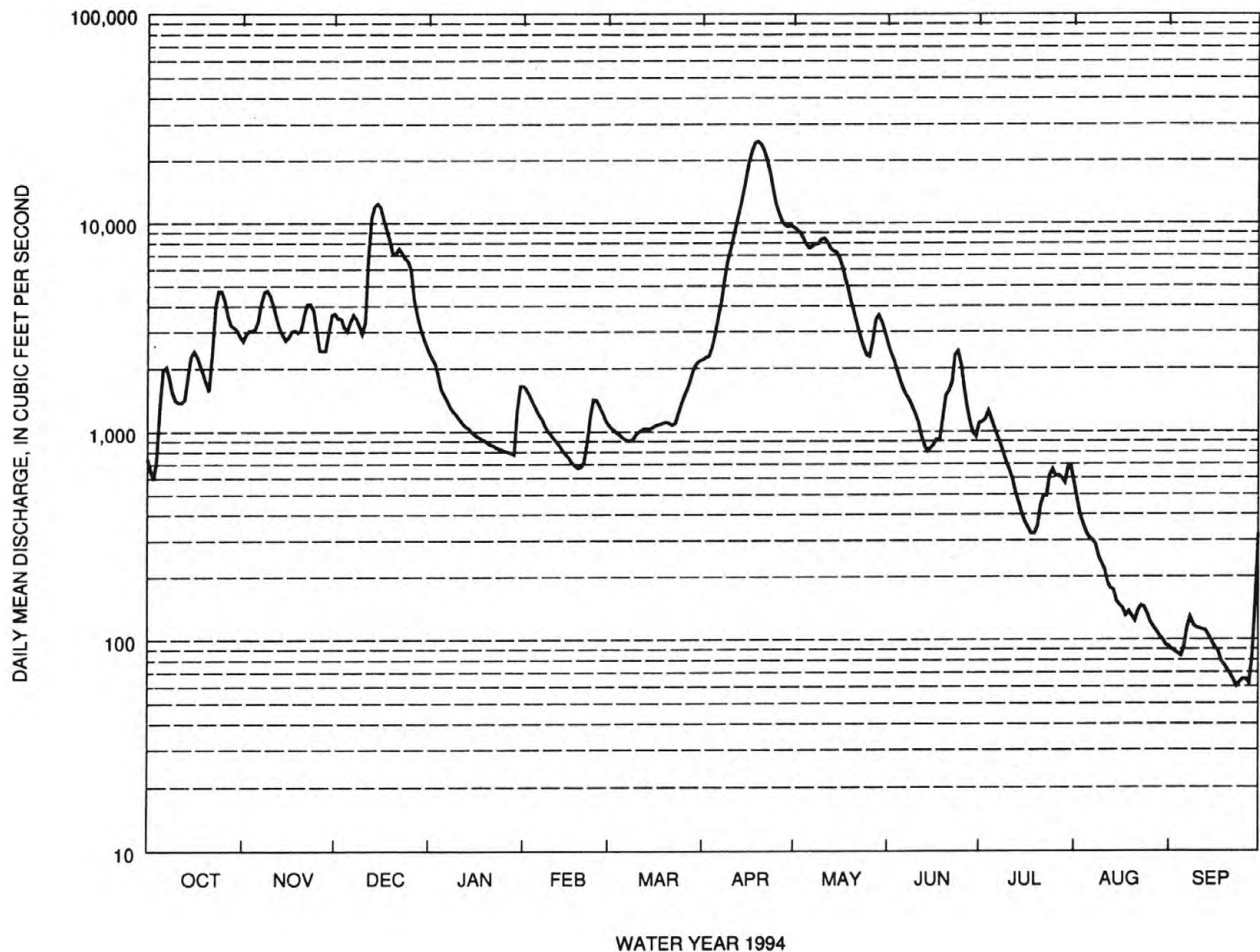
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01030500 MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1456	2772	2631	1381	1231	2013	8421	5587	2051	978	755	828
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	98.9	58.8
(WY)	1947	1956	1956	1948	1944	1944	1944	1987	1988	1991	1978	1952

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1935 - 1994	
ANNUAL TOTAL	1042987		1064984		2507	
ANNUAL MEAN	2857		2918		4015	
HIGHEST ANNUAL MEAN					1307	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	25900	Apr 15	24800	Apr 19	29200	Mar 23 1936
LOWEST DAILY MEAN	135	Aug 17	60	Sep 23	39	Sep 8 1987
ANNUAL SEVEN-DAY MINIMUM	145	Aug 14	64	Sep 21	42	Aug 28 1978
INSTANTANEOUS PEAK FLOW			24900	Apr 19	29200	Mar 23 1936
INSTANTANEOUS PEAK STAGE			15.73	Apr 19	17.34	Mar 23 1936
INSTANTANEOUS LOW FLOW			58	Sep 23	38	Sep 19 1952
ANNUAL RUNOFF (CFSM)	2.02		2.06		1.77	
ANNUAL RUNOFF (INCHES)	27.36		27.94		24.03	
10 PERCENT EXCEEDS	6680		7880		6480	
50 PERCENT EXCEEDS	1310		1380		1220	
90 PERCENT EXCEEDS	240		130		270	



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.

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.--Estimated daily discharges: Nov. 25-27, Dec. 24 to Apr. 8, and June 18-23. Records good except for periods of ice effect, Nov. 25-27 and Dec. 24 to Apr. 8, and period of no gage-height record, June 18-23, 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)
Nov. 29	0845	5,030	7.41	Apr. 17	0500	*13,100	*12.59
Dec. 11	2300	5,220	7.55				

Minimum discharge, 19 ft³/s, Sept. 23, gage height, 1.54 ft.

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	78	225	1280	e270	e224	e150	e273	1870	454	577	80	28
2	64	310	916	e246	e199	e144	e270	2150	547	1100	72	26
3	77	277	779	e224	e186	e146	e265	1770	502	863	80	24
4	128	282	676	e207	e177	e162	e415	1470	396	686	91	23
5	130	344	730	e195	e162	e172	e643	1370	330	452	83	23
6	109	1010	908	e187	e155	e171	e927	1520	291	329	94	30
7	92	1020	764	e180	e148	e153	e1690	1380	355	275	88	56
8	82	692	629	e175	e140	e157	e2330	1350	444	245	72	66
9	80	517	525	e169	e135	e169	2160	2510	370	227	63	53
10	94	425	480	e164	e131	e187	1970	1830	294	249	60	49
11	99	366	2480	e161	e128	e183	2070	1350	247	263	66	48
12	93	331	3930	e156	e126	e174	2230	1270	217	206	58	48
13	315	300	1960	e154	e123	e150	2620	1690	220	166	50	45
14	399	290	1540	e152	e119	e145	4070	1280	225	138	48	41
15	281	311	1950	e150	e117	e142	5860	1000	258	117	47	39
16	223	391	1800	e147	e115	e145	7200	851	221	123	42	36
17	187	364	1170	e144	e115	e185	11200	1190	187	130	41	34
18	175	338	976	e142	e113	e180	6350	1210	e345	112	41	30
19	165	313	812	e140	e110	e152	3630	1020	e600	104	46	26
20	143	771	709	e138	e113	e140	2560	839	e450	109	55	24
21	150	836	713	e136	e145	e136	2380	692	e200	104	57	22
22	656	606	2580	e134	e220	e134	1930	591	e424	95	101	22
23	583	504	1740	e132	e232	e200	1570	514	e322	87	111	20
24	420	425	e1120	e130	e225	e260	1530	449	240	78	78	33
25	320	e300	e785	e129	e211	e313	1780	413	193	73	62	1220
26	263	e266	e638	e128	e190	e335	1740	477	233	77	51	820
27	224	e258	e524	e127	e171	e320	1930	1130	260	106	47	477
28	222	398	e440	e133	e160	e290	3220	1030	231	144	41	422
29	215	4010	e381	e190	---	e267	2680	747	269	143	37	605
30	193	2190	e335	e260	---	e260	1940	595	282	126	32	622
31	181	---	e300	e284	---	e259	---	531	---	99	29	---
TOTAL	6441	18670	34570	5284	4390	5981	79433	36089	9607	7603	1923	5012
MEAN	208	622	1115	170	157	193	2648	1164	320	245	62.0	167
MAX	656	4010	3930	284	232	335	11200	2510	600	1100	111	1220
MIN	64	225	300	127	110	134	265	413	187	73	29	20
CFSM	.70	2.09	3.74	.57	.53	.65	8.89	3.91	1.07	.82	.21	.56
IN.	.80	2.33	4.32	.66	.55	.75	9.92	4.51	1.20	.95	.24	.63

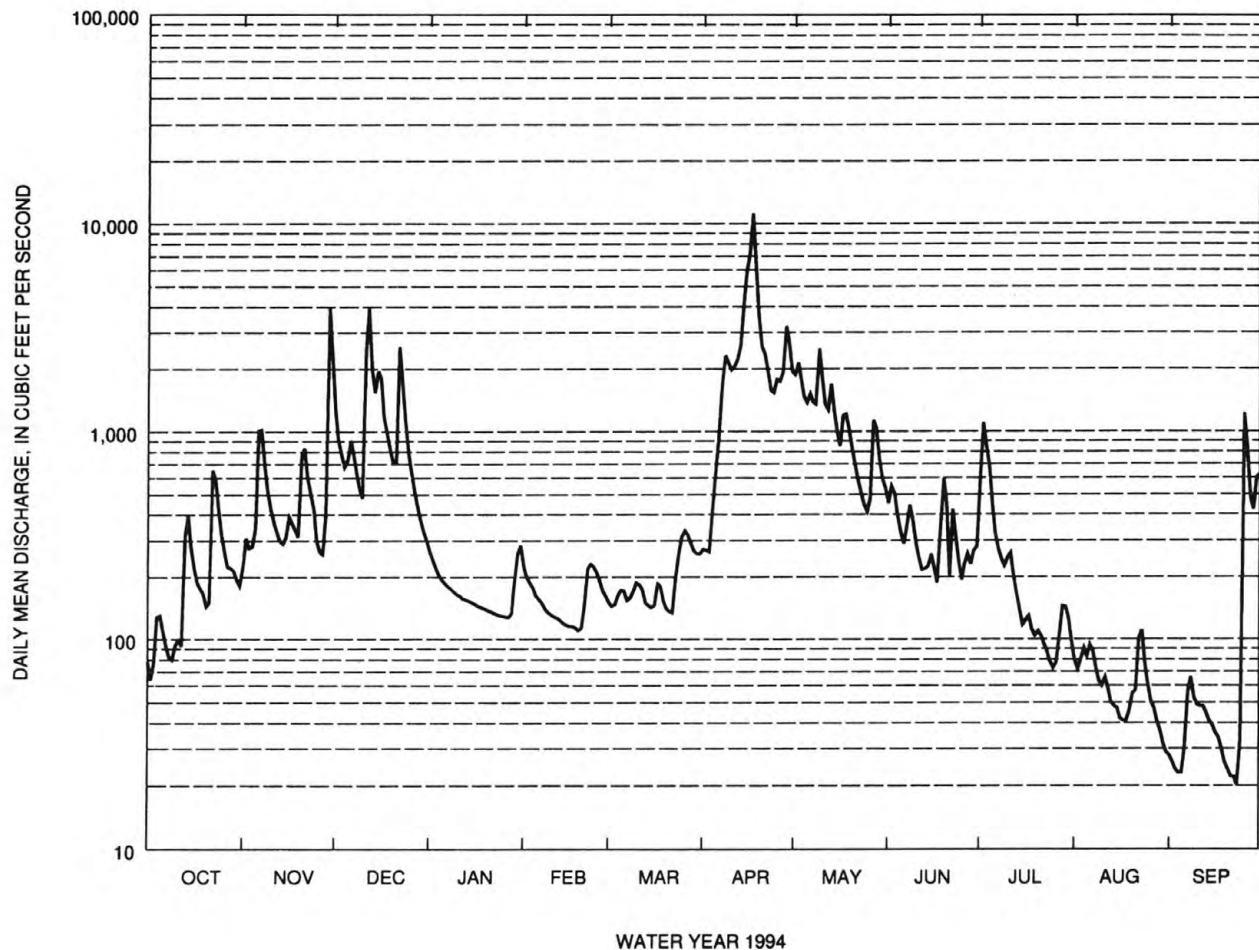
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01031500 PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	399	678	545	296	266	588	2092	1294	469	235	178	183
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1903 - 1994	
ANNUAL TOTAL	216166		215003			
ANNUAL MEAN	592		589		602	
HIGHEST ANNUAL MEAN					990	
LOWEST ANNUAL MEAN					238	
					1954	
HIGHEST DAILY MEAN	10800	Apr 12	11200	Apr 17	31700	Apr 1 1987
LOWEST DAILY MEAN	22	Aug 31	20	Sep 23	5.0	Aug 6 1905
ANNUAL SEVEN-DAY MINIMUM	25	Aug 31	25	Sep 18	11	Sep 2 1987
INSTANTANEOUS PEAK FLOW			13100	Apr 17	37300	Apr 1 1987
INSTANTANEOUS PEAK STAGE			12.59	Apr 17	22.62	Apr 1 1987
INSTANTANEOUS LOW FLOW			19	Sep 23	5.0	Aug 6 1905
ANNUAL RUNOFF (CFSM)	1.99		1.98		2.02	
ANNUAL RUNOFF (INCHES)	26.98		26.84		27.44	
10 PERCENT EXCEEDS	1320		1690		1550	
50 PERCENT EXCEEDS	190		225		255	
90 PERCENT EXCEEDS	43		56		56	



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.--Estimated daily discharges: Dec. 25 to Apr. 9 and Aug. 31 to Sept. 5. Records good except for period of ice effect, Dec. 25 to Apr. 9, and period of doubtful gage-height record, Aug. 31 to Sept. 5, which are fair. Flow regulated by Sebec Lake 15 mi upstream (Reservoirs in Penobscot River basin) 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 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 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)
Dec. 12	1100	14,000	7.68	Apr. 17	2230	*34,200	*11.79

Minimum daily discharge, 160 ft³/s, Sept. 4.

**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	620	1500	5250	e1600	e1550	e875	e1410	6540	2190	1110	595	e190
2	572	1710	3880	e1510	e1280	e840	e1380	7490	2360	2070	440	e180
3	537	1800	3410	e1440	e1120	e860	e1280	6790	2530	2380	415	e170
4	733	1640	3060	e1370	e1000	e920	e1320	5790	2170	2380	523	e160
5	808	1680	3080	e1320	e930	e1100	e1800	5250	1820	1910	647	e175
6	767	2280	3580	e1270	e870	e1200	e3000	5510	1320	1470	1010	222
7	678	3760	3280	e1220	e815	e1170	e4240	5410	1260	1530	831	285
8	641	3040	2760	e1170	e780	e1160	e5970	5040	1490	1520	510	344
9	590	2350	2360	e1130	e750	e1300	e6990	7350	1430	1350	387	310
10	592	1780	2150	e1080	e725	e1410	6850	7110	1280	1290	342	305
11	597	1560	4470	e1050	e700	e1470	7280	5710	1230	1180	479	297
12	623	1400	13000	e1010	e675	e1430	7920	5040	1300	975	485	299
13	820	1300	8940	e990	e655	e1330	8880	6200	1150	859	444	321
14	1260	1270	6420	e960	e640	e1210	12100	5720	1060	777	411	282
15	1140	1280	6190	e938	e630	e1120	18200	4720	1140	675	397	267
16	875	1470	6820	e910	e615	e1080	20300	4050	1170	539	341	250
17	848	1550	5520	e885	e605	e1120	29700	4090	1110	481	294	240
18	848	1450	4560	e860	e595	e1200	30100	4460	2400	490	275	230
19	789	1290	4040	e840	e590	e1200	19600	3970	3550	583	285	225
20	794	1900	3640	e820	e630	e1180	13200	3520	2290	662	292	228
21	734	2890	3470	e800	e780	e1130	10900	3140	1720	688	297	222
22	1960	2340	7800	e780	e900	e1080	9150	2800	1830	631	467	218
23	2730	1950	7760	e765	e1050	e1060	7200	1750	1630	564	601	218
24	2460	1680	5970	e748	e1110	e1200	6300	1430	1250	561	556	220
25	2200	1330	e3800	e731	e1120	e1500	6500	1340	982	517	479	398
26	1940	1200	e3240	e718	e1090	e1600	6500	1400	744	525	421	1540
27	1830	1180	e2570	e710	e1010	e1500	6400	2010	753	949	385	1230
28	1820	1240	e2160	e800	e920	e1410	8540	2750	766	810	289	1380
29	1770	6810	e2000	e1100	---	e1320	9020	2380	927	878	260	1830
30	1710	8320	e1840	e1500	---	e1440	7280	2010	969	845	229	2240
31	1650	---	e1700	e1610	---	e1390	---	1970	---	754	e208	---
TOTAL	35936	64950	138720	32635	24135	37805	279310	132740	45821	31953	13595	14476
MEAN	1159	2165	4475	1053	862	1220	9310	4282	1527	1031	439	483
MAX	2730	8320	13000	1610	1550	1600	30100	7490	3550	2380	1010	2240
MIN	537	1180	1700	710	590	840	1280	1340	744	481	208	160
CFSM	1.00	1.86	3.85	.91	.74	1.05	8.01	3.68	1.31	.89	.38	.42
IN.	1.15	2.08	4.44	1.04	.77	1.21	8.94	4.25	1.47	1.02	.44	.46

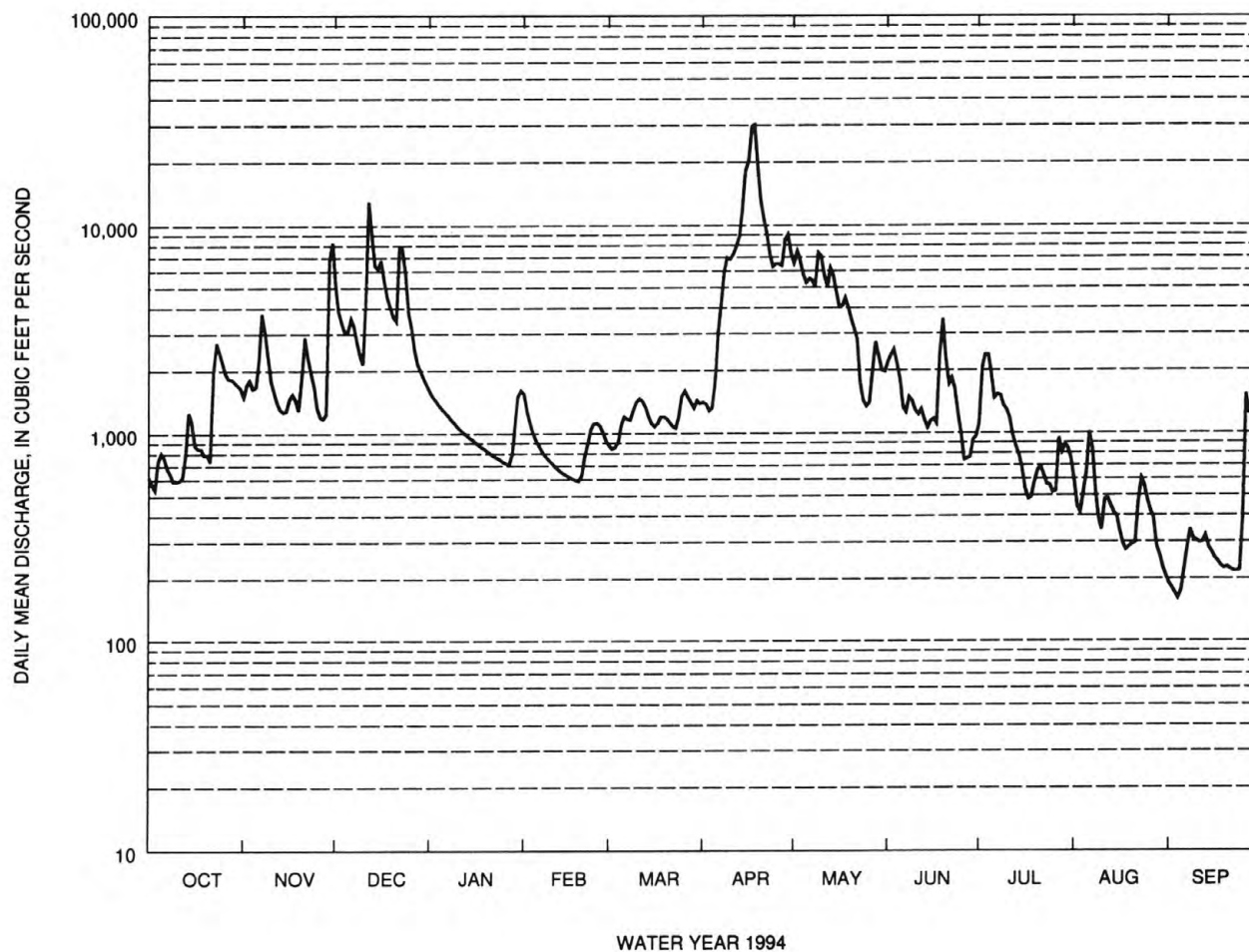
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01034000 PISCATAQUIS RIVER AT MEDFORD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1602	2666	2288	1348	1338	2240	7242	4847	1887	1033	805	940
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	234
(WY)	1936	1979	1930	1948	1980	1967	1981	1941	1941	1991	1952	1937

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1924 - 1994	
ANNUAL TOTAL	846887		852076		2353	
ANNUAL MEAN	2320		2334		3715	
HIGHEST ANNUAL MEAN					1254	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	36100	Apr 13	30100	Apr 18	52900	Nov 4 1966
LOWEST DAILY MEAN	201	Aug 16	160	Sep 4	106	Oct 28 1947
ANNUAL SEVEN-DAY MINIMUM	204	Aug 10	186	Aug 31	127	Sep 28 1978
INSTANTANEOUS PEAK FLOW			34200	Apr 17	60100	Nov 4 1966
INSTANTANEOUS PEAK STAGE			11.79	Apr 17	15.58	Nov 4 1966
INSTANTANEOUS LOW FLOW					99	Oct 28 1947
ANNUAL RUNOFF (CFSM)	2.00		2.01		2.02	
ANNUAL RUNOFF (INCHES)	27.11		27.28		27.51	
10 PERCENT EXCEEDS	4830		6190		5600	
50 PERCENT EXCEEDS	980		1250		1200	
90 PERCENT EXCEEDS	247		386		440	



PENOBSCOT RIVER BASIN

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.

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.--Estimated daily discharges: Dec. 27 to Apr. 13, June 10,13,19, and July 16. Records good except for period of ice effect, Dec. 27 to Apr. 13, and periods of no gage-height record, June 10,13,19, and July 16, which are fair. Flow regulated by many reservoirs above station (Reservoirs in Penobscot River basin). 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, 98,000 ft³/s, Apr. 18, gage height, 18.61 ft, minimum daily discharge, 3,480 ft³/s, Sept. 14.

**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	6610	8870	16600	e9640	e9350	e7070	e10500	39500	10600	6940	5580	4130
2	6990	9900	14000	e9270	e8790	e7270	e10400	39700	10300	7900	5170	3920
3	7280	10100	13100	e9600	e8480	e7100	e10400	39100	10500	9000	5370	4070
4	7620	9790	12100	e8840	e8110	e7440	e10200	36400	9910	9450	4820	3910
5	8890	10200	11800	e8370	e7740	e6810	e12200	33900	9880	8660	5410	4070
6	9310	10800	13000	e7600	e7570	e7150	e15100	34900	8700	7760	5510	4690
7	9270	15500	13300	e7430	e7270	e7310	e20800	36900	8390	7560	5260	4690
8	8590	15000	12400	e6960	e7160	e7290	e25600	36900	8980	7250	5250	4710
9	8220	13600	11200	e7470	e7130	e7090	e28000	40900	8720	7070	5030	5150
10	7950	12100	10500	e7030	e6810	e7640	e29000	43100	e8300	7270	5060	5120
11	8000	10800	13200	e6250	e6930	e7920	e31500	40500	8170	6920	4780	5110
12	7910	10300	36400	e6000	e6730	e7940	e35300	37000	7930	6440	4840	6720
13	8270	9320	39300	e6220	e6700	e7620	e38000	36500	e7600	6070	5040	4610
14	10000	9130	34000	e6810	e6740	e7730	45500	38100	7280	6140	4990	3480
15	10100	8930	32200	e6880	e6370	e7440	60000	36900	7420	5840	4870	3790
16	9340	9780	33000	e6960	e6240	e7330	69700	34900	7570	e5560	4890	4770
17	8480	10200	27600	e6380	e6370	e7700	86400	32900	7410	5400	4610	4890
18	8040	9880	23200	e6400	e6110	e7990	95000	30000	7890	5380	4690	4860
19	8110	9800	21400	e6320	e6120	e7710	79300	26300	e9760	5330	4350	4930
20	7250	10400	19500	e6270	e6270	e7880	66400	22300	10100	5470	4610	5020
21	6950	13600	18000	e6730	e6740	e7810	61300	18600	9180	5590	4280	4970
22	9570	13300	25200	e5800	e7620	e7680	56900	14000	8510	5390	4860	4640
23	14500	12100	29000	e6220	e8230	e7300	49800	10300	9490	5820	4700	4750
24	14000	11300	24900	e6370	e7880	e7530	45100	9520	9110	5490	4450	4940
25	13000	9870	22800	e6530	e8760	e7940	43500	9120	8320	5860	4690	5160
26	11200	8200	19300	e6680	e8170	e9350	43200	8850	7980	6030	4700	5530
27	10300	8240	e13000	e6440	e7750	e9560	42700	10100	7690	6450	4530	5820
28	9970	8640	e10800	e6630	e6910	e9910	44600	13000	7130	5600	4680	5910
29	9640	15000	e10600	e7080	---	e9320	46900	13300	6880	5850	4270	6870
30	9460	22000	e10100	e8390	---	e9770	43100	12400	7300	6050	4240	7480
31	9040	---	e9770	e9160	---	e9380	---	11000	---	5940	3980	---
TOTAL	283860	336650	601270	222730	205050	244980	1256400	846890	257000	201480	149510	148710
MEAN	9157	11220	19400	7185	7323	7903	41880	27320	8567	6499	4823	4957
MAX	14500	22000	39300	9640	9350	9910	95000	43100	10600	9450	5580	7480
MIN	6610	8200	9770	5800	6110	6810	10200	8850	6880	5330	3980	3480

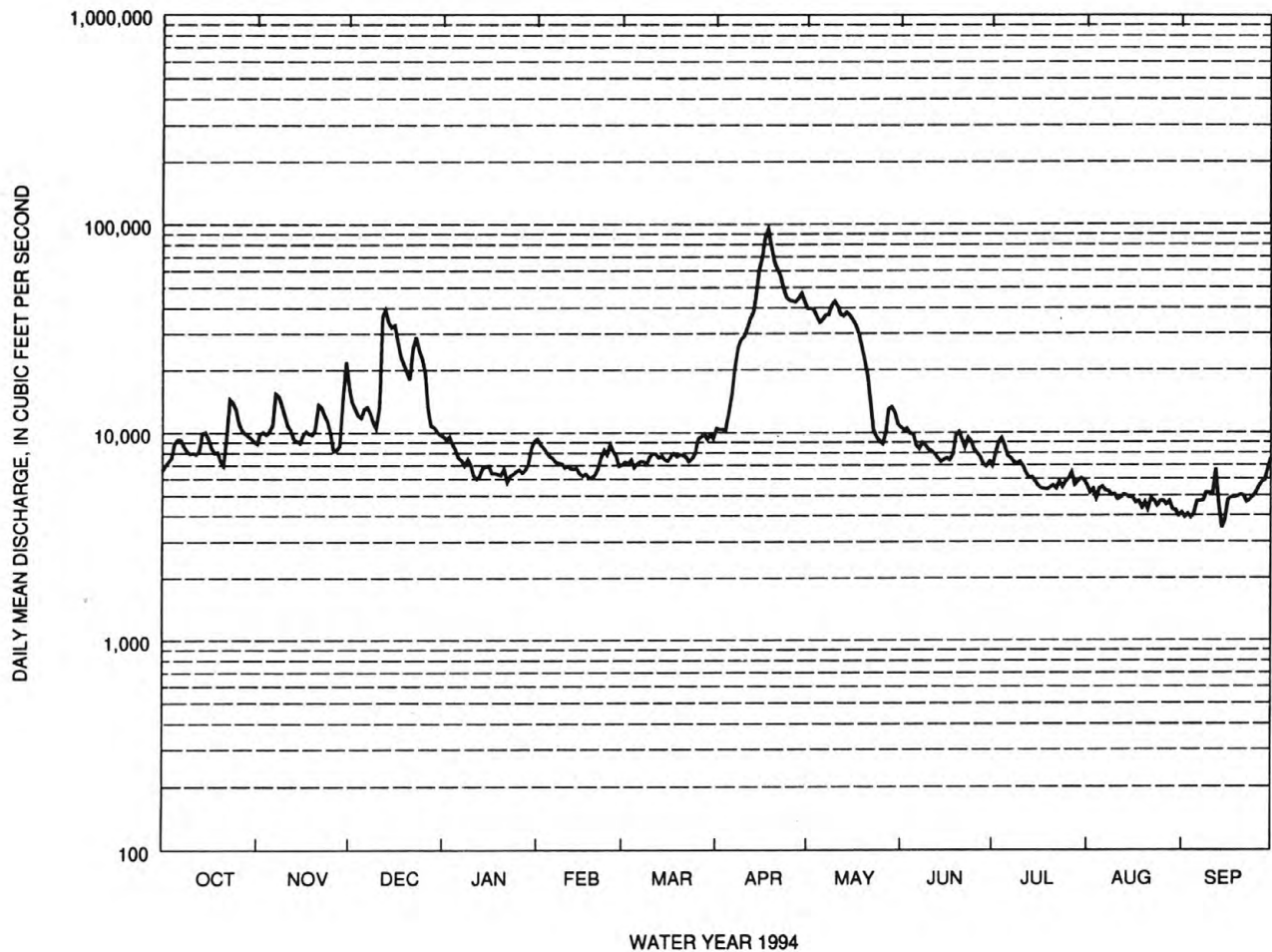
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01034500 PENOBSCOT RIVER AT WEST ENFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8521	11810	10560	7895	7348	10730	29410	24000	11890	7675	6565	6601
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	3971
(WY)	1904	1906	1909	1904	1904	1911	1926	1985	1988	1991	1978	1923

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1903 - 1994	
ANNUAL TOTAL	4332060		4754530		11920	
ANNUAL MEAN	11870		13030		17760	
HIGHEST ANNUAL MEAN					6382	
LOWEST ANNUAL MEAN					1911	
HIGHEST DAILY MEAN	98400		Apr 13		152000	
LOWEST DAILY MEAN	3380		Feb 3		1630	
ANNUAL SEVEN-DAY MINIMUM	3520		Feb 2		1700	
INSTANTANEOUS PEAK FLOW			98000		153000	
INSTANTANEOUS PEAK STAGE			18.61		25.15	
10 PERCENT EXCEEDS	21900		34400		25500	
50 PERCENT EXCEEDS	7670		8110		7800	
90 PERCENT EXCEEDS	4090		4910		4590	



PENOBSCOT RIVER BASIN

01036390 PENOBSCOT RIVER AT EDDINGTON, ME
 (National stream-quality accounting network station)

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.

WATER-DISCHARGE RECORDS

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.--Estimated daily discharges: Dec. 28 to Apr. 20. Records good except for period of ice effect, Dec. 28 to Apr. 14, and period of no gage-height record, Apr. 15-20, 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, 2,780 ft³/s, Sept. 5, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 89,000 ft³/s, Apr. 18; minimum daily discharge, 3,500 ft³/s, Sept. 15.

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	6810	9890	22800	e13100	e11400	e6900	e15100	45400	12700	8240	6080	4230
2	6890	10600	17000	e12900	e11500	e7000	e16000	44200	12200	8200	5750	4080
3	7390	11600	15200	e12600	e11100	e7000	e16700	43700	11900	9380	5740	4010
4	7710	11400	14300	e13100	e10100	e6900	e17300	41800	11800	10100	5510	4080
5	8600	11300	13900	e12400	e9400	e6850	e18400	39300	11200	10100	5160	4390
6	9490	11900	14500	e11500	e9000	e6700	e22500	38700	10500	9360	5820	5380
7	9810	14500	15600	e10600	e8800	e6900	e25000	40500	10100	8520	6130	5270
8	9690	17300	15100	e10000	e8600	e7000	e32300	41400	9980	8500	5870	4720
9	8970	15600	14000	e9700	e8400	e7100	e35400	42900	10300	7660	5240	4590
10	8550	14100	12900	e10200	e8200	e7700	e38500	46500	9940	7850	5460	5620
11	8350	12600	13900	e9850	e8000	e8300	e41600	45700	9460	8200	5310	5660
12	8570	11800	29400	e9100	e7800	e8900	e46600	42900	9140	7430	4860	6110
13	8520	11000	45500	e8400	e7600	e9200	e47700	40700	8770	6880	5120	6690
14	9570	10400	42600	e9100	e7400	e9100	e51100	41600	7870	6550	5430	4100
15	11000	10100	39500	e9400	e7400	e9300	e59600	41400	8670	6440	5140	3500
16	10600	10200	39000	e8900	e7100	e9300	e67800	39500	8990	6230	5130	4340
17	9700	10900	36500	e9200	e6800	e9500	e76000	37900	9090	5810	4970	4870
18	9120	11100	30400	e8800	e7000	e9700	e89000	35500	8850	5990	4710	5150
19	8590	10700	27900	e8300	e6800	e9500	e88400	31400	12000	5750	4960	5160
20	8380	11000	25600	e8000	e6900	e9800	e77400	28500	13600	6120	4330	5190
21	7720	13000	24100	e8450	e7000	e9800	73100	23400	12400	5960	4880	5240
22	7850	14900	27300	e8800	e7800	e9600	67000	19300	11000	6010	4510	4680
23	12500	14200	35200	e8400	e8450	e9300	60700	15200	10900	5880	5160	4870
24	14700	13100	31400	e8500	e8600	e10100	54700	11100	11300	6070	4810	5200
25	14200	12000	28000	e8700	e8600	e10700	51200	10800	10500	6090	4250	5470
26	12900	9680	24900	e8500	e9000	e11400	49400	10900	9720	6040	5040	5400
27	11700	8780	19500	e8400	e8400	e12100	48800	11800	9110	7250	4780	6510
28	11000	9410	e16900	e8800	e7450	e12200	48400	13900	8640	6820	4540	6530
29	10500	11900	e15200	e9200	---	e12800	50400	16100	7950	5900	4770	7380
30	10200	22900	e14000	e9900	---	e12700	49500	15200	8230	6530	4210	8020
31	10200	---	e13300	e11000	---	e13000	---	13600	---	6550	4070	---
TOTAL	299780	367860	735400	303800	234600	286350	1435600	970800	306810	222410	157740	156440
MEAN	9670	12260	23720	9800	8379	9237	47850	31320	10230	7175	5088	5215
MAX	14700	22900	45500	13100	11500	13000	89000	46500	13600	10100	6130	8020
MIN	6810	8780	12900	8000	6800	6700	15100	10800	7870	5750	4070	3500

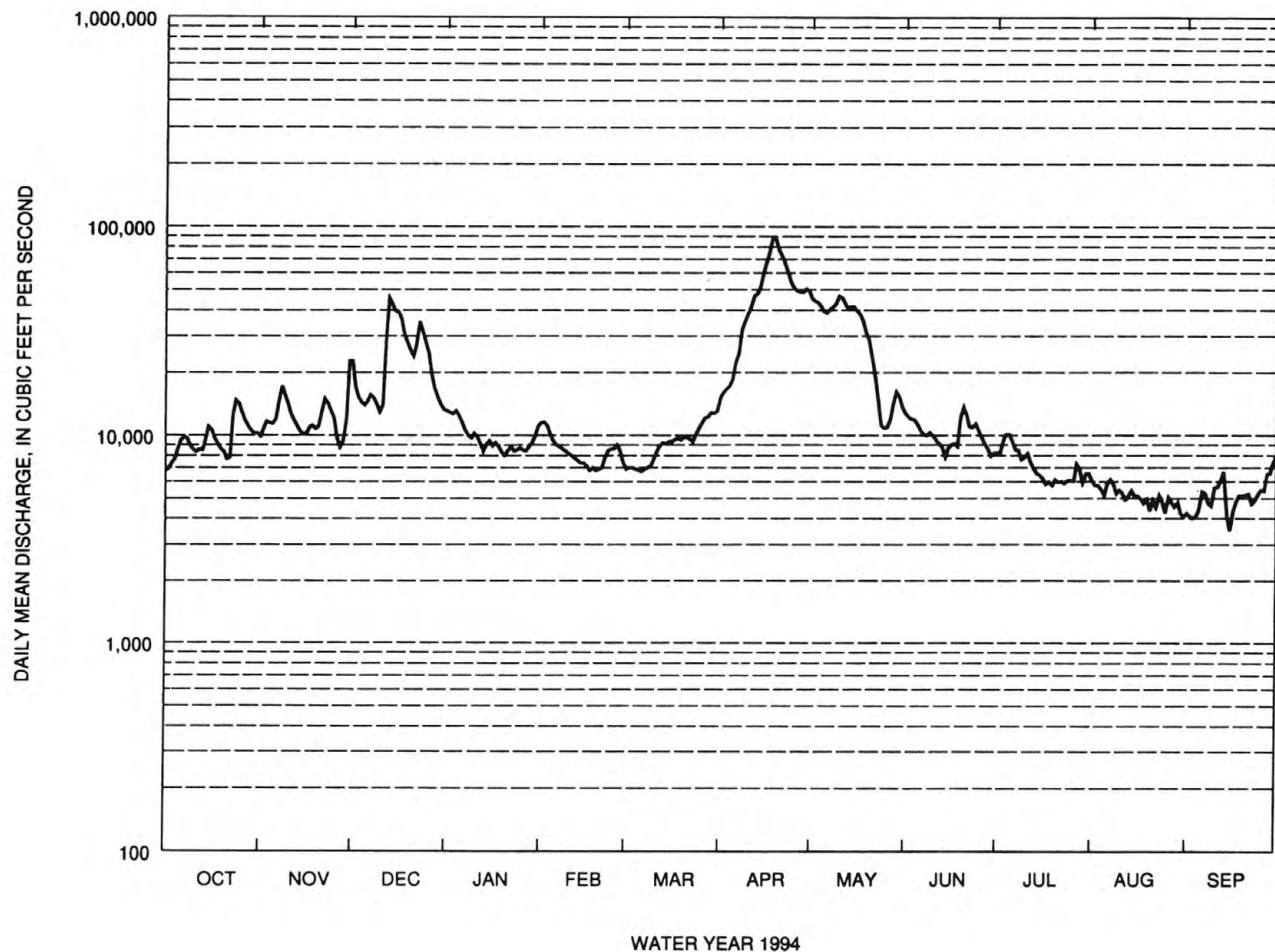
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01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	11860	15130	14490	9179	9279	12770	37500	22570	13370	7728	7830	8097
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	6200	6594	6774	5351	4218	6062	17120	12020	4961	4333	4011	5215
(WY)	1985	1985	1985	1993	1993	1993	1985	1985	1988	1991	1987	1994

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1979 - 1994	
ANNUAL TOTAL	4869240		5477590		13990	
ANNUAL MEAN	13340		15010		20440	
HIGHEST ANNUAL MEAN					8679	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	103000		Apr 14		155000	
LOWEST DAILY MEAN	3290		Aug 15		2780	
ANNUAL SEVEN-DAY MINIMUM	3770		Feb 4		3330	
INSTANTANEOUS PEAK FLOW					159000	
INSTANTANEOUS PEAK STAGE					23.53	
10 PERCENT EXCEEDS	26800		39500		28300	
50 PERCENT EXCEEDS	8400		9600		9500	
90 PERCENT EXCEEDS	4220		5200		5490	



01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD. --Water years 1979 to September 1994 (discontinued).

CHEMICAL ANALYSES: Water years 1979 to August 1994.

PERIOD OF DAILY RECORD. - -

SPECIFIC CONDUCTANCE: April 1979 to October 1984, seasonal records November 1984 to September 1994.

pH: April 1979 to October 1984, seasonal records November 1984 to September 1994.

WATER TEMPERATURE: April 1979 to October 1984, seasonal records November 1984 to September 1994.

DISSOLVED OXYGEN: April 1979 to October 1984, seasonal records November 1984 to September 1994.

INSTRUMENTATION.--Water-quality monitor since April 1979. Continuous flow through system. Submersible pump located 150 ft streamward from left bank, and 1.5 ft above river bed.

REMARKS.--Beginning in water year 1985, monitor not operated during period November to April. Other interruptions in the record were due to malfunctions of the monitor or pumping system.

EXTREMES FOR PERIOD OF DAILY RECORD. - -

SPECIFIC CONDUCTANCE: Maximum, 132 $\mu\text{S}/\text{cm}$, Sept. 20, 1986; minimum, 25 $\mu\text{S}/\text{cm}$, Apr. 19, 1983.

pH: Maximum, 9.3 units, Sept. 6, 1979; minimum, 5.3 units, Sept. 6-7, 1979.

WATER TEMPERATURE: Maximum, 28.0°C, July 30, 1979, Aug. 6-7, 1988, July 20-22, 1991, July 23-25, 1994;
minimum, 0.0°C on many days during winter periods 1980 to 1984.

DISSOLVED OXYGEN: Maximum, 15.6 mg/L, Feb. 28, 1984; minimum, 6.5 mg/L, July 17-18, 1980.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT 28...	1110	10900	65	7.1	10.5	6.0	1.0	752	12.6	103	52	<26
FEB 10...	0915	E 8200	56	7.0	-13.0	0.0	1.7	778	14.7	98	23	K 7
APR 20...	1020	E 77400	29	6.7	8.0	3.0	1.0	756	14.4	108	K 23	K 15
AUG 02...	1500	6140	57	7.4	24.0	26.5	0.30	762	8.3	103	<10	800

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)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)	
	OCT 28...	18	5.3	1.1	3.1	0.60	11	0	9	7.2	2.6	0.10
	FEB 10...	18	5.2	1.1	3.8	0.60	14	0	11	6.4	3.5	<0.10
	APR 20...	10	2.9	0.62	1.3	0.40	7	0	5	3.2	1.4	<0.10
	AUG 02...	19	5.9	1.1	4.0	0.80	15	0	12	11	3.8	<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.

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

	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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT 28...	4.1	54	30	<0.01	0.06	0.06	0.07	0.09	0.40	0.02
FEB 10...	4.5	46	33	<0.01	0.11	0.11	0.04	0.05	0.40	0.05
APR 20...	3.2	28	17	0.02	0.07	0.07	0.02	0.03	0.20	<0.01
AUG 02...	2.7	184	37	0.01	--	<0.05	0.03	0.04	0.30	0.02
	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)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	
OCT 28...	0.01	<0.01	120	3	<3	140	<4	11	<10	
FEB 10...	0.02	<0.01	60	4	<3	110	<4	14	<10	
APR 20...	<0.01	<0.01	100	3	<3	79	<4	13	<10	
AUG 02...	0.03	<0.01	30	4	<3	100	<4	13	<10	
	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, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT) (80030)	
OCT 28...	<1	<1	<1.0	28	<6	4	118	71	--	
FEB 10...	<1	<1	<1.0	27	<6	13	288	85	--	
APR 20...	<1	<1	<1.0	16	<6	7	1460	91	--	
AUG 02...	1	<1	<1.0	25	<6	2	33	71	--	
	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS- SOLVED (PCI/L AS SR/ Y-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/ Y-90) (80060)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	ALPHA RADIO. WATER DISS AS TH-230 (PCI/L) (04126)	ALPHA SED SUSP DRY WGH AS TH-230 (PCI/L) (04127)	
OCT 28...	--	--	--	--	--	--	--	--	--	
FEB 10...	--	--	--	--	--	--	--	--	--	
APR 20...	--	--	--	--	--	0.02	0.04	--	--	
AUG 02...	--	--	--	--	--	0.03	0.06	--	--	

PENOBSCOT RIVER BASIN

01036390 PENOBSCOT RIVER AT EDDINGTON, ME--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	41	40	40	50	47	48	60	58	59	62	60	61
2	41	40	40	52	48	49	60	59	60	61	60	61
3	40	40	40	51	47	48	60	58	59	62	60	61
4	41	39	40	49	47	48	60	58	59	63	60	62
5	42	40	41	50	47	49	61	60	61	62	59	60
6	43	41	42	47	44	45	60	58	59	60	58	59
7	43	41	41	47	45	46	60	58	59	60	58	59
8	44	42	43	49	46	47	59	57	58	60	57	59
9	43	42	43	49	48	48	61	57	59	60	55	58
10	45	42	43	50	48	49	63	58	61	58	49	54
11	46	44	44	50	46	48	61	59	60	64	57	59
12	46	44	44	50	46	47	62	60	61	65	59	62
13	45	43	44	50	47	49	61	59	60	59	48	54
14	47	44	45	53	49	51	61	58	59	55	50	53
15	48	45	47	54	52	53	61	59	60	50	48	49
16	49	46	47	55	53	54	63	60	61	49	48	48
17	49	45	46	57	55	56	61	58	60	60	49	55
18	50	46	48	57	56	57	62	59	60	64	57	61
19	48	46	47	60	56	58	60	59	60	63	59	61
20	46	45	46	60	57	58	63	60	61	62	58	59
21	45	45	45	61	59	60	62	60	61	60	57	58
22	46	45	45	61	59	60	63	60	61	57	54	55
23	47	46	46	62	60	61	62	61	61	56	55	56
24	47	46	47	62	60	61	61	60	61	56	54	55
25	47	45	46	62	60	61	62	59	60	56	55	56
26	49	46	47	63	60	61	62	59	60	56	55	55
27	51	47	48	63	59	60	63	60	61	56	55	56
28	51	48	49	61	60	60	67	61	64	60	55	57
29	51	48	49	64	61	62	66	63	64	59	51	56
30	50	48	48	63	59	61	64	60	62	57	51	54
31	---	---	---	59	58	59	62	59	60	---	---	---
MONTH PERIOD	51 67	39 39	45 54	64	44	54	67	57	60	65	48	57

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.2	7.1	7.2	7.7	7.3	7.5	7.3	7.1	7.2	7.7	7.3	7.5
2	7.3	7.2	7.2	7.9	7.3	7.5	7.3	7.1	7.2	7.8	7.3	7.6
3	7.2	7.1	7.2	7.9	7.3	7.5	7.2	7.1	7.2	7.6	7.3	7.4
4	7.3	7.1	7.2	7.8	7.3	7.5	7.2	7.1	7.1	7.4	7.2	7.3
5	7.3	7.1	7.2	7.7	7.3	7.5	7.2	7.1	7.2	7.3	7.1	7.2
6	7.3	7.1	7.2	7.6	7.3	7.4	7.2	7.1	7.2	7.1	7.1	7.1
7	7.2	7.1	7.2	7.5	7.2	7.4	7.3	7.1	7.2	7.2	7.0	7.1
8	7.3	7.1	7.2	7.5	7.3	7.4	7.4	7.1	7.2	7.3	7.0	7.2
9	7.4	7.1	7.2	7.4	7.3	7.3	7.4	7.2	7.3	7.5	7.1	7.3
10	7.4	7.1	7.2	7.7	7.3	7.4	7.3	7.1	7.3	7.4	7.1	7.3
11	7.4	7.1	7.2	7.9	7.3	7.6	7.3	7.1	7.3	7.3	7.2	7.2
12	7.3	7.1	7.2	8.0	7.3	7.6	7.3	7.1	7.2	7.3	7.1	7.2
13	7.3	7.1	7.2	8.0	7.3	7.6	7.3	7.1	7.2	7.2	7.0	7.1
14	7.3	7.1	7.2	8.1	7.3	7.6	7.1	7.1	7.1	7.3	7.0	7.1
15	7.3	7.1	7.2	7.8	7.3	7.5	7.2	7.0	7.1	7.2	7.0	7.1
16	7.3	7.1	7.2	7.5	7.2	7.3	7.2	7.1	7.2	7.2	7.0	7.1
17	7.3	7.1	7.2	7.3	7.1	7.2	7.3	7.1	7.2	7.2	7.0	7.0
18	7.3	7.1	7.2	7.2	7.1	7.2	7.3	7.1	7.2	7.2	7.0	7.1
19	7.2	7.1	7.1	7.1	7.0	7.1	7.2	7.1	7.1	7.2	7.1	7.1
20	7.1	7.0	7.1	7.2	7.0	7.1	7.3	7.1	7.2	7.2	7.1	7.2
21	7.1	7.0	7.1	7.2	7.0	7.1	7.3	7.1	7.2	7.3	7.1	7.2
22	7.2	7.1	7.2	7.1	7.0	7.1	7.2	7.1	7.1	7.4	7.1	7.2
23	7.3	7.1	7.2	7.2	7.0	7.1	7.2	7.1	7.1	7.4	7.1	7.2
24	7.5	7.2	7.3	7.2	7.0	7.1	7.3	7.1	7.2	7.2	7.1	7.2
25	7.4	7.2	7.3	7.1	7.0	7.1	7.4	7.1	7.2	7.2	7.1	7.1
26	7.6	7.3	7.4	7.2	7.0	7.1	7.6	7.1	7.4	7.2	7.1	7.1
27	7.7	7.3	7.5	7.2	7.0	7.1	7.6	7.2	7.3	7.3	7.0	7.1
28	7.7	7.3	7.5	7.1	7.0	7.0	7.6	7.2	7.5	7.2	7.1	7.1
29	7.8	7.3	7.5	7.1	7.0	7.1	7.6	7.3	7.4	7.3	7.1	7.2
30	7.6	7.3	7.4	7.2	7.0	7.1	7.9	7.3	7.6	7.3	7.1	7.2
31	---	---	---	7.2	7.0	7.1	7.8	7.4	7.5	---	---	---
MONTH PERIOD	7.8 8.1	7.0 7.0	7.2 7.2	8.1	7.0	7.3	7.9	7.0	7.2	7.8	7.0	7.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	9.0	8.3	8.6	8.1	7.9	8.0	9.4	8.9	9.1
2	---	---	---	9.1	8.2	8.6	8.0	7.7	7.9	9.7	9.1	9.4
3	---	---	---	8.9	8.0	8.5	7.9	7.6	7.8	9.6	9.2	9.5
4	10.3	9.2	9.8	9.4	8.4	8.9	8.0	7.7	7.9	9.6	9.3	9.4
5	10.2	9.1	9.7	9.4	8.3	8.8	8.1	7.7	7.9	9.4	9.2	9.3
6	9.8	8.9	9.4	8.9	8.2	8.5	8.5	8.0	8.3	9.6	9.2	9.3
7	9.5	9.0	9.3	9.0	8.3	8.6	8.7	8.4	8.5	9.7	9.4	9.6
8	9.8	9.0	9.4	8.9	8.5	8.7	8.7	8.3	8.5	9.6	9.3	9.5
9	10.0	9.0	9.5	8.9	8.6	8.7	8.6	8.4	8.5	9.4	9.1	9.3
10	10.2	9.1	9.7	9.4	8.5	9.0	8.4	8.1	8.3	9.4	9.1	9.3
11	10.3	9.2	9.8	9.0	8.2	8.6	8.5	8.2	8.4	9.5	9.2	9.3
12	10.0	9.3	9.6	9.1	8.1	8.6	8.5	8.3	8.4	9.6	9.2	9.4
13	9.9	9.2	9.6	8.7	8.3	8.5	8.5	8.2	8.3	9.7	9.2	9.4
14	9.6	8.9	9.3	8.9	8.4	8.7	8.3	8.1	8.2	9.5	9.2	9.3
15	9.8	8.8	9.3	8.8	8.3	8.7	8.5	8.2	8.4	9.5	9.3	9.4
16	9.5	8.4	9.0	8.5	8.2	8.4	8.7	8.4	8.6	9.4	9.2	9.4
17	9.2	8.1	8.7	8.3	8.1	8.3	8.8	8.6	8.7	9.4	9.0	9.2
18	8.8	7.8	8.3	8.2	8.0	8.1	8.7	8.4	8.5	9.5	9.0	9.3
19	8.9	7.9	8.4	8.0	7.8	7.9	8.6	8.4	8.5	9.7	9.3	9.5
20	9.2	8.1	8.7	8.0	7.7	7.9	8.6	8.4	8.5	9.8	9.5	9.7
21	9.1	8.5	8.8	7.9	7.6	7.7	8.5	8.1	8.3	9.7	9.5	9.6
22	9.6	8.4	9.0	7.8	7.4	7.6	8.5	8.1	8.3	9.8	9.4	9.6
23	9.3	8.2	8.8	7.7	7.4	7.6	8.7	8.5	8.6	9.8	9.5	9.6
24	9.5	8.3	8.9	7.8	7.6	7.7	8.8	8.6	8.7	9.6	9.4	9.5
25	9.5	8.5	9.0	7.8	7.6	7.7	8.8	8.6	8.7	9.7	9.4	9.6
26	9.2	8.3	8.8	7.9	7.6	7.7	9.0	8.6	8.8	9.7	9.4	9.5
27	9.1	8.1	8.6	8.0	7.7	7.9	8.8	8.4	8.6	9.6	9.3	9.5
28	9.0	8.2	8.7	7.9	7.7	7.8	8.7	8.4	8.6	9.5	9.3	9.3
29	9.2	8.2	8.7	8.0	7.7	7.9	8.6	8.2	8.4	9.5	9.1	9.3
30	8.8	8.2	8.5	8.3	8.0	8.2	8.9	8.3	8.7	9.7	9.2	9.5
31	---	---	---	8.3	8.0	8.2	9.1	8.6	8.8	---	---	---
MONTH PERIOD	10.3 10.3	7.8 7.4	9.1 8.8	9.4	7.4	8.3	9.1	7.6	8.4	9.8	8.9	9.4

PENOBSCOT RIVER BASIN

Reservoirs in Penobscot River Basin

- 01027000 CHESUNCOOK, RIPOGENUS, AND CARIBOU LAKES AND MOOSE POND in West Branch Penobscot River basin are controlled by Ripogenus Dam, in T. 3, R. 11, Piscataquis County, Maine, 36 mi upstream from Millinocket and 42 mi northeast of Greenville, present dam completed in 1917, used for power; usable capacity of reservoir, 30,000,000,000 ft³. Records furnished by Great Northern Paper, Inc.
- 01027000 AMBAJEJUS, PEMADUMCOOK, NORTH TWIN, SOUTH TWIN, AND ELBOW LAKES in West Branch Penobscot River basin are controlled by North Twin Dam, Penobscot County, 3 mi upstream from Millinocket, Maine, used for power; usable capacity of reservoir, 15,000,000,000 ft³. Records furnished by Great Northern Paper, Inc.
- 01028500 CHAMBERLAIN AND TELOS LAKES AND ROUND POND in East Branch Penobscot River basin are controlled by dams in outlets of Chamberlain and Telos Lakes, although regulation is at Telos Dam, in T. 6, R. 11, Piscataquis County, Maine. Telos Dam rebuilt during 1941, used for power; usable capacity, 5,040,000,000 ft³ between gage height 2.0 ft and 11.0 ft. Records furnished by Bangor Hydro-Electric Co.
- 01029000 SECOND AND GRAND LAKES in East Branch Penobscot River basin are controlled by dam rebuilt in 1942 at outlet of Grand Lake, in T. 6, R. 8, Penobscot County, Maine, used for power; usable capacity, 1,785,000,000 ft³ between elevations 643.0 ft and 655.0 ft. Records furnished by Bangor Hydro-Electric Co.
- 01032500 SEBEC LAKE on Sebec River, Piscataquis County, at Sebec, Maine, used for power; usable capacity, 2,511,000,000 ft³ between elevations 316.1 ft and 325.1 ft. Records furnished by Bangor Hydro-Electric Co.

MONTHEND CONTENTS IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

Date	West Branch Penobscot River Reservoirs ¹	East Branch Penobscot River Reservoirs ²	Sebec Lake
SEPT. 30, 1993.....	40,736	2,568	1,584
OCT. 31.....	42,436	2,967	1,420
NOV. 30.....	46,148	4,181	1,779
DEC. 31.....	49,740	4,602	2,101
JAN. 31, 1994.....	46,344	3,812	1,693
FEB. 28.....	41,850	2,731	1,556
MAR. 31.....	35,834	1,911	985
APR. 30.....	53,075	4,944	1,954
MAY 31.....	56,104	6,063	2,101
JUNE 30.....	55,159	5,720	1,984
JULY 31.....	51,501	5,289	1,984
AUG. 31.....	43,957	3,938	1,896
SEPT. 30.....	36,836	2,238	1,896

¹ Chesuncook, Ripogenus, Caribou, Ambajejus Pemadumcook, North Twin, South Twin, and Elbow Lakes, and Moose Pond. Includes monthend contents of following additional reservoirs in West Branch Penobscot River basin, used for power, total capacity approximately 12,000,000,000 ft³; Penobscot, Seboomook, Caucomgomoc, Loon, Shallow, Umbazooksus, Harrington, Sourdnahunk, Rainbow, Ragged, and Millinocket Lakes, Canada Falls Dole and Poland Ponds.

² Chamberlain, Telos, Second, and Grand Lakes, and Round Pond.



Stream flow measurement
under ice-cover
East Branch of the Penobscot River at Grindstone
March 5, 1932

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.--Estimated daily discharges: Jan. 3-28, Feb. 8 to Mar. 8, and Aug. 31 to Sept. 20. Records good except for periods of ice effect, Jan. 3-28 and Feb. 8 to Mar. 8, and period of no gage-height record, Aug. 31 to Sept. 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, 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)
Dec. 22	0700	1,120	5.09	Apr. 7	2400	*1,510	*5.78
Mar. 26	2000	1,350	5.50	Apr. 14	0700	1,450	5.68

Minimum discharge, 9.5 ft³/s, Sept. 22, 23, gage height, 1.59 ft.

**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	33	54	167	243	517	e141	1070	347	165	49	27	e23
2	30	76	144	223	505	e132	1030	357	153	46	26	e22
3	31	58	144	e200	476	e127	969	320	142	44	37	e22
4	31	55	138	e192	434	e123	1130	289	129	40	34	e21
5	34	58	240	e178	387	e119	1170	301	114	37	34	e25
6	35	102	310	e168	341	e119	1180	396	105	37	40	e27
7	33	89	256	e160	302	e119	1360	337	105	42	34	e24
8	29	69	237	e151	e262	e146	1450	428	100	40	31	e19
9	29	59	221	e145	e234	189	1270	599	88	37	29	e19
10	30	55	207	e139	e222	240	1110	496	79	36	28	e18
11	28	51	483	e134	e200	303	1190	467	72	35	26	e19
12	24	48	641	e130	e183	322	1100	444	66	33	25	e16
13	33	46	537	e125	e171	310	1120	438	69	31	24	e18
14	38	44	546	e120	e161	297	1390	394	90	30	23	e20
15	34	43	553	e118	e155	300	1210	352	105	28	22	e18
16	30	43	529	e115	e148	336	1160	324	108	30	21	e22
17	28	42	460	e113	e141	383	1250	435	105	29	20	e22
18	27	50	397	e112	e137	381	1100	388	189	28	26	e20
19	26	58	384	e111	e129	366	989	344	158	27	36	e17
20	28	113	354	e110	e125	356	871	313	132	27	35	e15
21	24	109	525	e108	e129	353	721	281	117	26	34	13
22	31	83	1030	e107	e152	482	624	255	110	25	58	10
23	38	75	800	e105	e166	922	541	233	94	24	48	12
24	32	70	677	e104	e168	1120	472	212	83	23	38	217
25	29	63	678	e103	e168	1200	421	207	77	23	34	244
26	27	56	591	e103	e166	1310	406	249	69	23	32	162
27	26	52	532	e101	e161	1300	442	243	64	29	30	140
28	27	87	440	e146	e152	1260	446	229	57	31	29	238
29	27	338	379	471	---	1210	389	205	53	32	27	289
30	27	216	313	524	---	1120	352	192	50	29	26	253
31	32	---	283	514	---	1080	---	181	---	28	e24	---
TOTAL	931	2362	13196	5373	6492	16166	27933	10256	3048	999	958	1985
MEAN	30.0	78.7	426	173	232	521	931	331	102	32.2	30.9	66.2
MAX	38	338	1030	524	517	1310	1450	599	189	49	58	289
MIN	24	42	138	101	125	119	352	181	50	23	20	10
CFSM	.21	.54	2.94	1.20	1.60	3.60	6.42	2.28	.70	.22	.21	.46
IN.	.24	.61	3.39	1.38	1.67	4.15	7.17	2.63	.78	.26	.25	.51

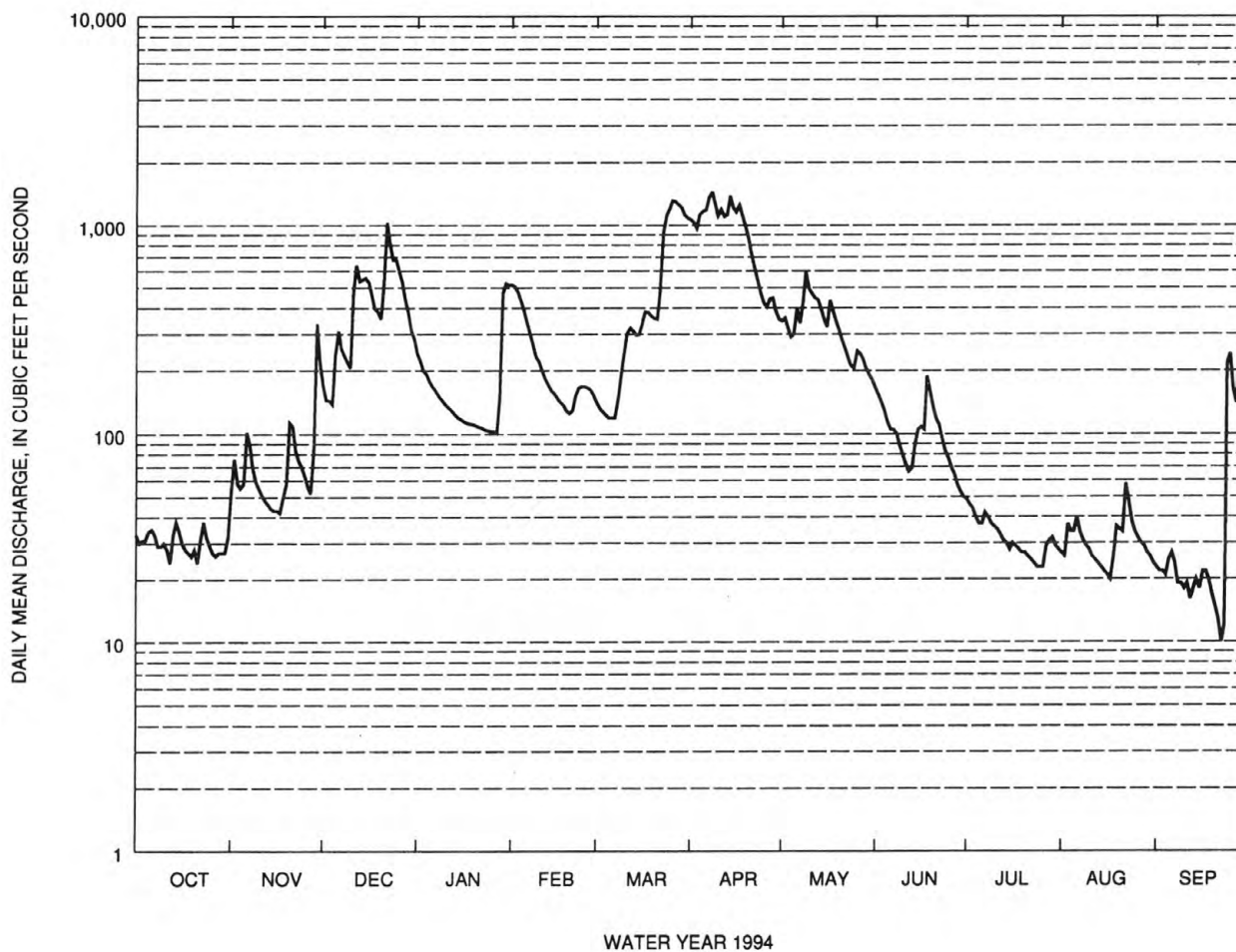
e Estimated

01038000 SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	87.4	247	327	218	230	434	760	346	167	74.4	49.8	50.5
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1939 - 1994	
ANNUAL TOTAL	81159		89699			
ANNUAL MEAN	222		246		249	
HIGHEST ANNUAL MEAN					427	
LOWEST ANNUAL MEAN					115	
HIGHEST DAILY MEAN	2750		1450		6690	
LOWEST DAILY MEAN	18		10		5.1	
ANNUAL SEVEN-DAY MINIMUM	20		16		5.5	
INSTANTANEOUS PEAK FLOW			1510		7350	
INSTANTANEOUS PEAK STAGE			5.78		13.71	
INSTANTANEOUS LOW FLOW			9.5		5.0	
ANNUAL RUNOFF (CFSM)	1.53		1.69		1.71	
ANNUAL RUNOFF (INCHES)	20.82		23.01		23.30	
10 PERCENT EXCEEDS	665		609		626	
50 PERCENT EXCEEDS	77		119		130	
90 PERCENT EXCEEDS	25		26		24	



KENNEBEC RIVER BASIN

01040500 MOOSEHEAD LAKE AT EAST OUTLET, ME

LOCATION.--Lat 45°35'07", long 69°42'48", Piscataquis County, Hydrologic Unit 01030001, on right bank wingwall of dam at East Outlet of Moosehead Lake.

DRAINAGE AREA.--1,268 mi², revised.

PERIOD OF RECORD.--Gage height: March 1895 to current year. Chemical analyses: Water year 1958.

GAGE.--Nonrecording gage read daily at 0700. Datum of gage is 1,011.48 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Lake is controlled by dams at East and West Outlets originally built prior to 1840. East Outlet partly rebuilt of concrete in 1947-48 with gate sills at gage height 7.0 ft. Remaining wooden section rebuilt of concrete in 1955-56. Lake outlet dredged in 1948 to permit drawing level down to gage height 10.0 ft at a faster rate than formerly. Usable capacity, 23,730,000,000 ft³ between gage heights 10.0 ft and 17.5 ft. Water is used primarily for power.

COOPERATION.--Gage-height record furnished by Kennebec Water Power Co.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height observed, 18.0 ft May 30, 1902; minimum observed, 10.0 ft or lower, present datum, Mar. 20-29, 1911.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 17.48 ft, June 1,3,4; minimum observed, 13.26 ft, Apr. 3.

Capacity table (gage height, in feet, and contents, in million cubic feet)

10.0	0	15.0	15,700
11.0	3,100	16.0	18,900
12.0	6,230	17.0	22,110
13.0	9,370	18.0	25,380
14.0	12,530		

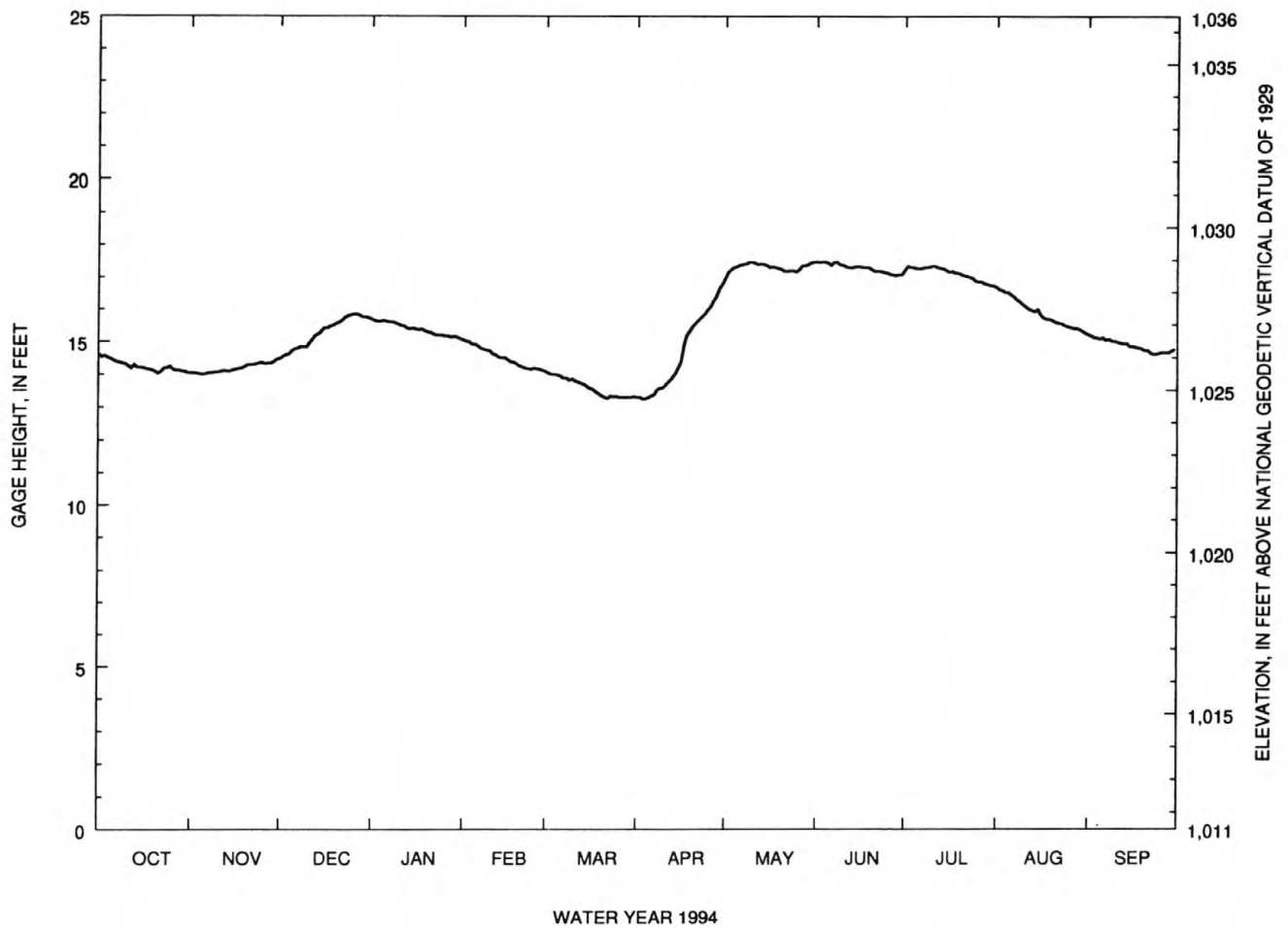
GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.62	14.06	14.50	15.70	15.06	14.10	13.30	16.96	17.48	17.22	16.68	15.23
2	14.55	14.06	14.55	15.66	15.02	14.04	13.31	17.15	17.47	17.34	16.61	15.18
3	14.58	14.04	14.60	15.64	15.00	14.01	13.26	17.25	17.48	17.31	16.58	15.14
4	14.54	14.02	14.63	15.63	14.92	14.00	13.27	17.30	17.48	17.31	16.52	15.12
5	14.50	14.00	14.72	15.66	14.92	13.99	13.31	17.33	17.45	17.26	16.52	15.09
6	14.44	14.02	14.78	15.63	14.88	13.95	13.35	17.38	17.38	17.27	16.45	15.12
7	14.40	14.06	14.80	15.61	14.80	13.90	13.40	17.40	17.47	17.28	16.38	15.06
8	14.38	14.06	14.85	15.61	14.77	13.89	13.55	17.42	17.46	17.31	16.29	15.08
9	14.35	14.08	14.85	15.58	14.74	13.84	13.58	17.46	17.39	17.30	16.24	15.03
10	14.33	14.08	14.85	15.54	14.72	13.87	13.61	17.47	17.38	17.33	16.14	15.02
11	14.27	14.10	14.96	15.49	14.64	13.81	13.70	17.45	17.32	17.34	16.08	14.99
12	14.20	14.12	15.08	15.48	14.60	13.78	13.80	17.40	17.31	17.30	16.01	14.96
13	14.30	14.11	15.19	15.41	14.54	13.74	13.89	17.42	17.29	17.28	15.96	14.94
14	14.22	14.10	15.24	15.39	14.52	13.70	14.01	17.40	17.32	17.27	15.93	14.95
15	14.22	14.14	15.32	15.41	14.52	13.64	14.20	17.37	17.33	17.21	15.99	14.87
16	14.21	14.16	15.42	15.38	14.46	13.58	14.38	17.30	17.32	17.16	15.82	14.86
17	14.18	14.18	15.42	15.36	14.40	13.55	14.90	17.32	17.31	17.18	15.74	14.83
18	14.16	14.20	15.48	15.38	14.38	13.48	15.20	17.30	17.31	17.14	15.71	14.82
19	14.14	14.23	15.50	15.34	14.33	13.42	15.34	17.28	17.29	17.12	15.70	14.79
20	14.09	14.29	15.56	15.30	14.27	13.35	15.47	17.24	17.23	17.09	15.66	14.74
21	14.04	14.30	15.60	15.28	14.24	13.31	15.57	17.19	17.18	17.05	15.60	14.74
22	14.10	14.30	15.67	15.23	14.20	13.28	15.68	17.19	17.19	17.03	15.58	14.66
23	14.20	14.32	15.75	15.20	14.18	13.34	15.77	17.20	17.18	16.99	15.56	14.63
24	14.20	14.35	15.80	15.20	14.16	13.32	15.85	17.20	17.15	16.96	15.50	14.64
25	14.25	14.37	15.83	15.20	14.20	13.33	15.97	17.17	17.13	16.86	15.46	14.66
26	14.16	14.33	15.85	15.17	14.18	13.31	16.08	17.24	17.09	16.85	15.45	14.68
27	14.14	14.35	15.85	15.17	14.16	13.30	16.26	17.36	17.08	16.85	15.41	14.68
28	14.14	14.35	15.81	15.14	14.12	13.30	16.40	17.36	17.06	16.79	15.41	14.68
29	14.11	14.40	15.76	15.16	---	13.31	16.64	17.39	17.08	16.76	15.38	14.72
30	14.09	14.47	15.76	15.13	---	13.31	16.78	17.45	17.08	16.73	15.32	14.78
31	14.06	---	15.74	15.09	---	13.32	---	17.47	---	16.72	15.27	---
TOTAL	442.17	425.65	473.72	477.17	406.93	422.07	439.83	536.82	518.69	530.61	492.95	446.69
MEAN	14.26	14.19	15.28	15.39	14.53	13.62	14.66	17.32	17.29	17.12	15.90	14.89
MAX	14.62	14.47	15.85	15.70	15.06	14.10	16.78	17.47	17.48	17.34	16.68	15.23
MIN	14.04	14.00	14.50	15.09	14.12	13.28	13.26	16.96	17.06	16.72	15.27	14.63
*	12,722	14,120	17,940	15,892	12,850	10,320	21,982	23,664	22,824	21,086	16,436	15,006
#	-1,772	+1,398	+3,820	-2,048	-3,042	-2,530	+11,662	+1,682	-840	-1,738	-4,650	-1,430
+	101	100	111	112	103	94	104	129	128	127	116	107

CAL YR 1993 #+3,727
WTR YR 1994 # +512

* Contents, in millions of cubic feet, at end of month
Change in contents, in millions of cubic feet
+ Diversion, in cubic feet per second, through gates at West Outlet

01040500 MOOSEHEAD LAKE AT EAST OUTLET, ME--Continued



KENNEBEC RIVER BASIN

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.--Estimated daily discharges. July 21 and 25. Records excellent except for periods of no gage-height record, July 21 and 25, which are good. Flow regulated by Moosehead Lake (station 01040500), Brassua Lake, and Indian Pond (Reservoirs in Kennebec River Basin). 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, 10,900 ft³/s, May 9, gage height, 7.30 ft; minimum daily discharge, 342 ft³/s, Apr. 3.

**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	2550	2200	2030	2340	3770	3270	1150	6330	3930	2040	3400	1600
2	2130	2300	2030	2130	3730	3120	383	6070	4230	1480	3580	1640
3	1750	2260	2030	3810	2530	3060	342	8040	4060	1100	3770	1240
4	2790	1850	778	3650	3110	2580	1650	7710	3800	2410	3690	928
5	2670	1810	768	3050	3210	2480	1240	7950	3020	1580	4060	800
6	3130	665	1780	3470	3470	1480	1320	8230	3580	3160	2190	1610
7	3100	1080	1800	3490	4030	3080	1640	8510	3440	3000	1040	1850
8	2630	1420	1580	2920	4500	3070	1860	9000	3500	2700	3550	2090
9	1770	1850	1980	2140	4170	3130	1440	10300	2800	1310	3710	1580
10	1350	2380	1650	3980	3320	3180	1160	10400	3150	954	3460	837
11	2560	1880	972	3780	3170	3090	2120	10300	3010	1610	3530	833
12	3160	2340	1740	3140	3110	2380	2150	10300	2540	2690	3120	2030
13	2130	569	1880	3130	2840	1020	2760	10400	3680	3040	1640	1790
14	1880	484	1810	3710	3400	3980	3120	9730	3720	2930	1280	1550
15	1640	2250	2350	3380	3590	3800	4670	8850	2880	2170	3070	1380
16	1870	2920	1380	2590	3380	4390	6180	8390	2770	1900	2980	1570
17	1540	2020	904	4340	3860	3400	8570	8840	2740	1260	3180	1570
18	2620	1990	839	4210	2940	3250	5700	7810	1300	3090	2660	614
19	2560	1080	993	4070	2610	1170	4500	6360	1180	3520	2100	2530
20	2160	753	2260	2970	2560	1610	3980	5290	2640	3470	859	2440
21	1730	694	2030	3280	3210	3170	3210	4720	3120	e31100	847	2200
22	938	2010	1950	2320	3170	2510	2320	4560	2780	3250	2550	2030
23	811	1600	1800	2380	3230	2090	1730	4470	3290	2660	2630	2060
24	424	2460	1710	2820	2880	2170	1730	3950	2500	1610	2090	864
25	2230	1830	2010	3340	3780	1670	2760	2670	977	e3700	1560	735
26	2220	1950	2290	2560	2150	451	2470	2430	998	3600	1670	1470
27	2240	1960	3620	3910	1980	350	3330	2710	2600	3270	829	1460
28	2190	627	3560	3430	3640	1660	4670	2120	2300	3170	621	1820
29	2720	1670	3960	1710	---	1680	5940	1970	2170	3250	1870	1270
30	379	1580	3680	2830	---	1170	5590	2880	2450	2220	1880	1090
31	350	---	3520	4120	---	1320	---	4260	---	1480	1880	---
TOTAL	62222	50482	61684	99000	91340	74781	89685	205550	85155	76724	75296	45481
MEAN	2007	1683	1990	3194	3262	2412	2989	6631	2838	2475	2429	1516
MAX	3160	2920	3960	4340	4500	4390	8570	10400	4230	3700	4060	2530
MIN	350	484	768	1710	1980	350	342	1970	977	954	621	614

e Estimated

01042500 KENNEBEC RIVER AT THE FORKS, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1959	1792	2061	2300	2485	2260	2890	4748	3348	2631	2449	2253
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

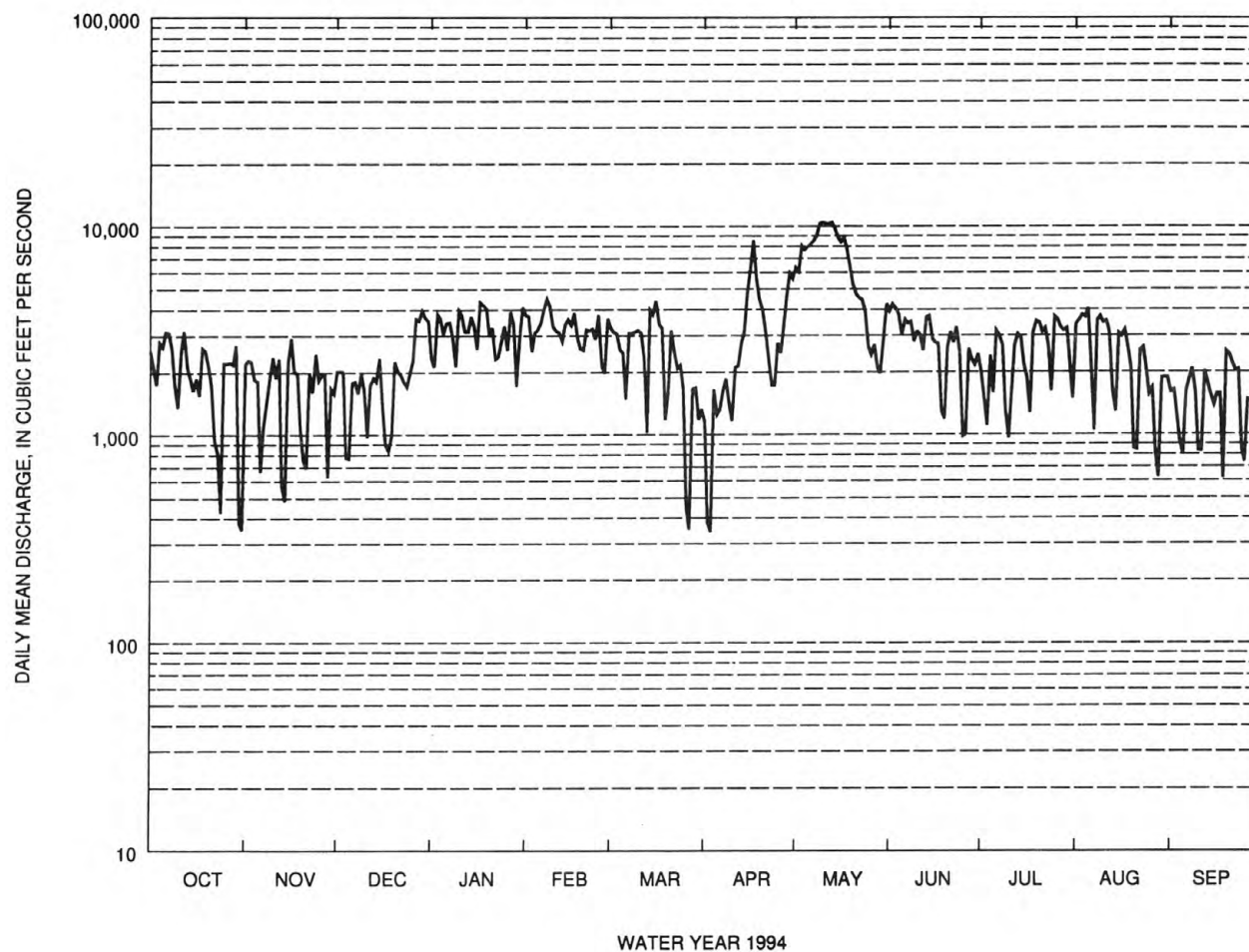
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1904 - 1994

ANNUAL TOTAL	949496		1017400									
ANNUAL MEAN	2601		2787							2599		
HIGHEST ANNUAL MEAN										4380		1974
LOWEST ANNUAL MEAN										1516		1950
HIGHEST DAILY MEAN		9310	Apr 18		10400	May 10		28200		Jun 1	1	1984
LOWEST DAILY MEAN		350	Oct 31		342	Apr 3		161		Aug 30	1987	
ANNUAL SEVEN-DAY MINIMUM		1040	Mar 28		1040	Mar 30		314		Jan 6	1909	
INSTANTANEOUS PEAK FLOW					10900	May 9		30300		Jun 1	1984	
INSTANTANEOUS PEAK STAGE					7.30	May 9		13.78		Jun 1	1984	
10 PERCENT EXCEEDS		4360			4220			4300				
50 PERCENT EXCEEDS		2290			2500			2240				
90 PERCENT EXCEEDS		915			1030			870				



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.--Estimated daily discharge: Nov. 17 to Mar. 14. Records excellent except for periods of no gage-height record, Nov. 17 to Mar. 14, which are good. Flow regulated by Moosehead Lake (station 01040500), Indian Pond, and Brassua, Flagstaff, and Wyman Lakes (Reservoirs in Kennebec River Basin). Considerable diurnal fluctuation caused by powerplant above station. Several observations of water temperature and specific conductance were made during the year.

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, 35,300 ft³/s, Apr. 17, gage height, 12.82 ft; minimum daily discharge, 1,660 ft³/s, Apr. 4.

**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	2790	2530	e2940	e4430	e4640	e4710	1950	13800	6230	3370	4020	2280
2	2800	2550	e2400	e4340	e4670	e4880	1850	15600	6270	3840	4360	2310
3	2740	2490	e2150	e4540	e4810	e4680	1800	13600	6450	4050	4240	2300
4	2620	2490	e2020	e4260	e4860	e4650	1660	12300	5350	3520	4390	2340
5	3000	2930	e2050	e4110	e4800	e4660	2420	12700	4920	3490	4040	2340
6	2710	2690	e2000	e4720	e4700	e4660	3850	13100	4320	3660	3290	1990
7	2800	2860	e1790	e4820	e4730	e4670	3870	13800	4150	3810	3270	2040
8	2760	2690	e2030	e4840	e4960	e4710	3110	13800	4470	3550	3980	2170
9	2890	2460	e2250	e4930	e4790	e4670	3040	17300	4550	3240	4150	2270
10	2790	2760	e3440	e4890	e4850	e4620	3480	17700	4560	2960	4250	2120
11	2760	2620	e3630	e4860	e4830	e4570	4610	16200	4710	2660	4220	2100
12	2750	2760	e3020	e4860	e4790	e4890	6650	15200	4630	3140	3980	2090
13	2630	2750	e2830	e4890	e4850	e4840	6700	15800	4530	3400	3330	2180
14	2290	2520	e3300	e4750	e4710	e4940	7050	15100	4580	3580	3420	2240
15	2600	2680	e2720	e4670	e4870	4890	13300	12700	4120	3840	3280	2140
16	2540	3290	e2570	e4800	e4800	4800	21400	11800	3830	3770	3260	2170
17	2620	e2250	e2640	e4820	e4850	4580	27700	12500	3860	3870	3010	2230
18	2760	e2410	e2420	e4930	e4760	4530	14500	14500	3800	4380	2730	2190
19	2620	e2300	e2360	e4960	e5020	4350	9660	11000	4190	4590	2680	2150
20	2670	e2260	e2820	e4990	e4570	4570	8390	8770	4140	4560	2740	2240
21	2610	e2300	e2660	e4830	e4770	3470	6800	7130	3700	4550	2770	2260
22	3820	e2270	e3240	e5010	e4780	2820	5820	7460	3830	4630	2820	2310
23	3230	e2270	e3530	e4110	e4860	2520	5210	6980	4020	4510	2420	2060
24	3150	e2470	e3790	e3890	e4770	2350	4030	6310	4330	4650	2370	1970
25	2460	e2530	e3710	e4210	e4760	2240	5380	5140	3690	4690	2210	1830
26	2380	e2690	e3920	e2960	e4660	1920	6230	4430	3760	4700	2400	2170
27	2370	e2740	e4260	e3880	e4820	2030	7580	4660	3580	4690	2320	2150
28	2590	e2540	e4240	e4650	e4760	1950	14300	5660	3520	4690	2400	1900
29	2580	e3880	e4590	e4970	---	1950	16700	5830	3290	4250	2360	1860
30	2620	e3210	e4700	e4440	---	1980	12200	5160	3170	3460	2310	2170
31	2540	---	e4620	e4850	---	1890	---	6040	---	3360	2260	---
TOTAL	84490	79190	94640	142210	134040	118990	231240	342070	130550	121460	99280	64570
MEAN	2725	2640	3053	4587	4787	3838	7708	11030	4352	3918	3203	2152
MAX	3820	3880	4700	5010	5020	4940	27700	17700	6450	4700	4390	2340
MIN	2290	2250	1790	2960	4570	1890	1660	4430	3170	2660	2210	1830

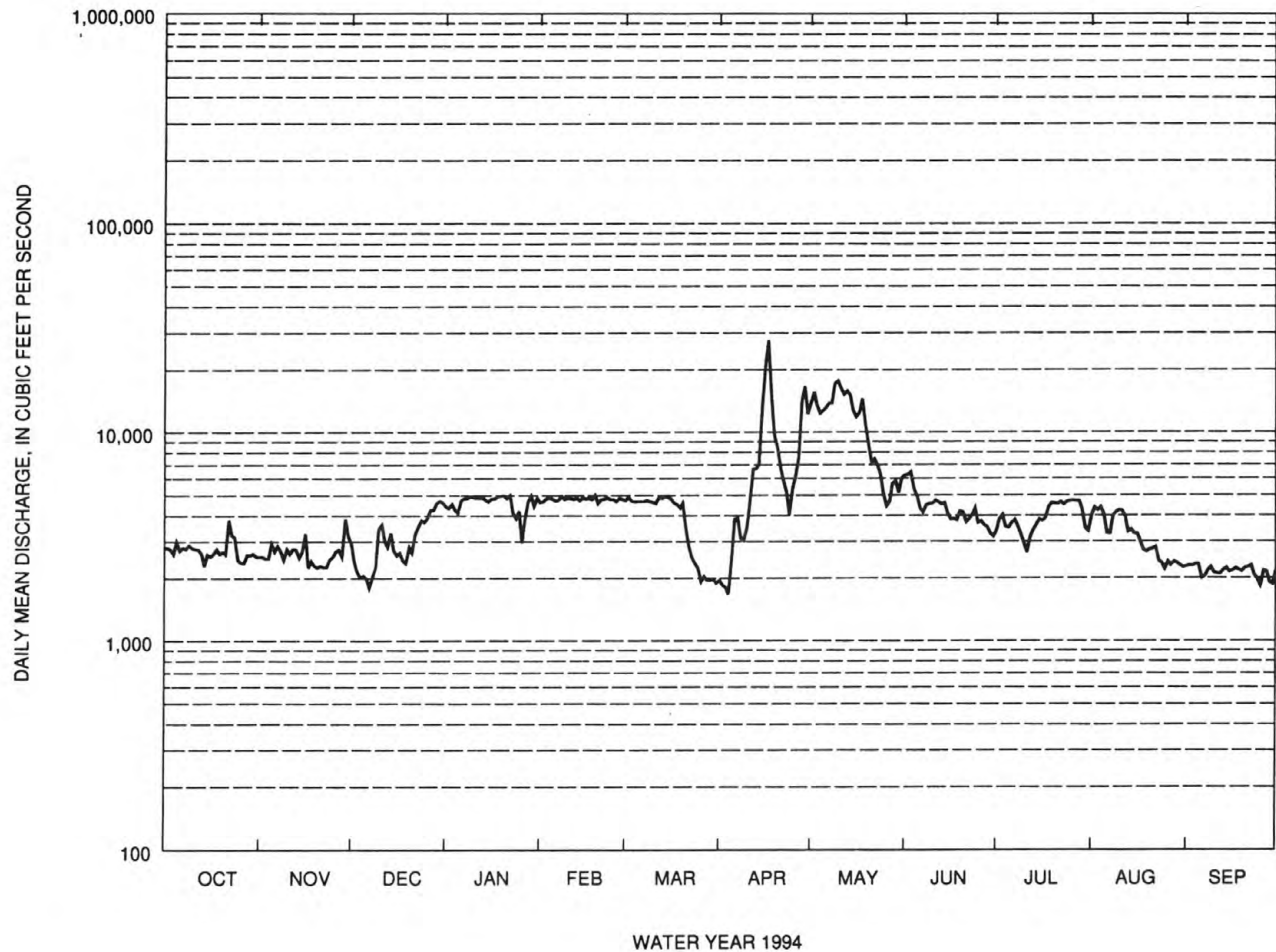
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01046500 KENNEBEC RIVER AT BINGHAM, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3415	3548	3546	3554	3713	4138	7236	9157	4889	3531	3303	3292
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	2309	1829
(WY)	1909	1909	1909	1909	1972	1985	1981	1980	1988	1988	1941	1987

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1908 - 1994	
ANNUAL TOTAL	1537610		1642730			
ANNUAL MEAN	4213		4501		4446	
HIGHEST ANNUAL MEAN					7163	
LOWEST ANNUAL MEAN					2613	
					1974	
HIGHEST DAILY MEAN	26200		27700		62000	
LOWEST DAILY MEAN	1570		1660		110	
ANNUAL SEVEN-DAY MINIMUM	2020		1870		587	
					Nov 18 1908	
INSTANTANEOUS PEAK FLOW			35300		65200	
INSTANTANEOUS PEAK STAGE			12.82		15.61	
					Jun 1 1984	
10 PERCENT EXCEEDS	7170		6670		7610	
50 PERCENT EXCEEDS	3290		3840		3460	
90 PERCENT EXCEEDS	2250		2220		2180	



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.--Estimated daily discharges: Dec. 26 to Apr. 7. Records good except for period of ice effect, Dec. 26 to Apr. 7, and period of no gage-height record, Feb. 14 to Mar. 3, 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. 29	0430	8,990	10.88	Apr. 28	0515	6,310	9.26
Apr. 16	2345	*14,800	*14.11				

Minimum discharge, 55 ft³/s, Sept. 23, gage height, 2.51 ft.

**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	197	264	1460	e304	e455	e275	e1040	2160	606	1330	107	66
2	163	352	935	e294	e410	e255	e1060	2500	663	1580	97	68
3	113	315	673	e282	e375	e238	e1120	1910	605	1160	111	68
4	142	290	632	e273	e345	e267	e1220	1530	523	749	118	64
5	146	335	631	e269	e319	e283	e1990	1600	456	422	111	64
6	126	819	720	e260	e301	e265	e2600	1820	415	370	123	76
7	164	876	663	e255	e284	e230	e3360	1760	574	341	117	202
8	161	574	585	e248	e270	e245	4400	2170	729	984	98	172
9	155	445	510	e245	e255	e315	4390	3380	548	1140	89	104
10	114	389	475	e238	e241	e385	3860	2190	443	1170	90	101
11	122	354	1770	e233	e233	e445	3600	1660	374	1060	96	112
12	114	329	2400	e230	e227	e468	3380	1580	346	653	146	94
13	242	314	1470	e228	e225	e445	4100	2050	366	398	156	87
14	404	300	1240	e222	e220	e415	4390	1590	378	340	154	80
15	313	345	1580	e221	e216	e418	5830	1230	422	305	150	73
16	273	649	1540	e220	e214	e445	8430	984	354	319	110	69
17	252	506	1040	e219	e216	e475	10700	1870	321	324	91	77
18	245	425	852	e217	e217	e490	5380	1640	333	286	87	89
19	241	383	740	e215	e219	e475	3160	1310	504	288	102	72
20	154	738	666	e214	e234	e415	2440	1090	559	325	120	60
21	144	743	715	e213	e285	e395	2360	942	426	281	106	59
22	551	549	2470	e212	e425	e385	1930	863	420	255	172	57
23	515	480	1660	e210	e515	e378	1590	837	421	239	241	58
24	372	426	1010	e209	e500	e760	1670	754	337	227	190	835
25	320	341	821	e206	e430	e920	1860	666	309	217	163	1550
26	290	297	e660	e205	e377	e1120	1820	713	503	210	154	752
27	262	309	e500	e204	e342	e1180	2310	1340	507	210	145	511
28	255	519	e410	e218	e300	e1160	5080	1180	672	221	122	444
29	251	5740	e367	e310	---	e1100	3010	882	954	207	77	484
30	222	2540	e325	e430	---	e1050	2110	717	762	194	70	536
31	157	---	e318	e500	---	e1030	---	662	---	157	67	---
TOTAL	7180	20946	29838	7804	8650	16727	100190	45580	14830	15962	3780	7084
MEAN	232	698	963	252	309	540	3340	1470	494	515	122	236
MAX	551	5740	2470	500	515	1180	10700	3380	954	1580	241	1550
MIN	113	264	318	204	214	230	1040	662	309	157	67	57
CFSM	.66	1.98	2.73	.71	.88	1.53	9.46	4.17	1.40	1.46	.35	.67
IN.	.76	2.21	3.14	.82	.91	1.76	10.56	4.80	1.56	1.68	.40	.75

e Estimated

01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	496	763	605	352	322	815	2349	1592	593	301	227	238
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

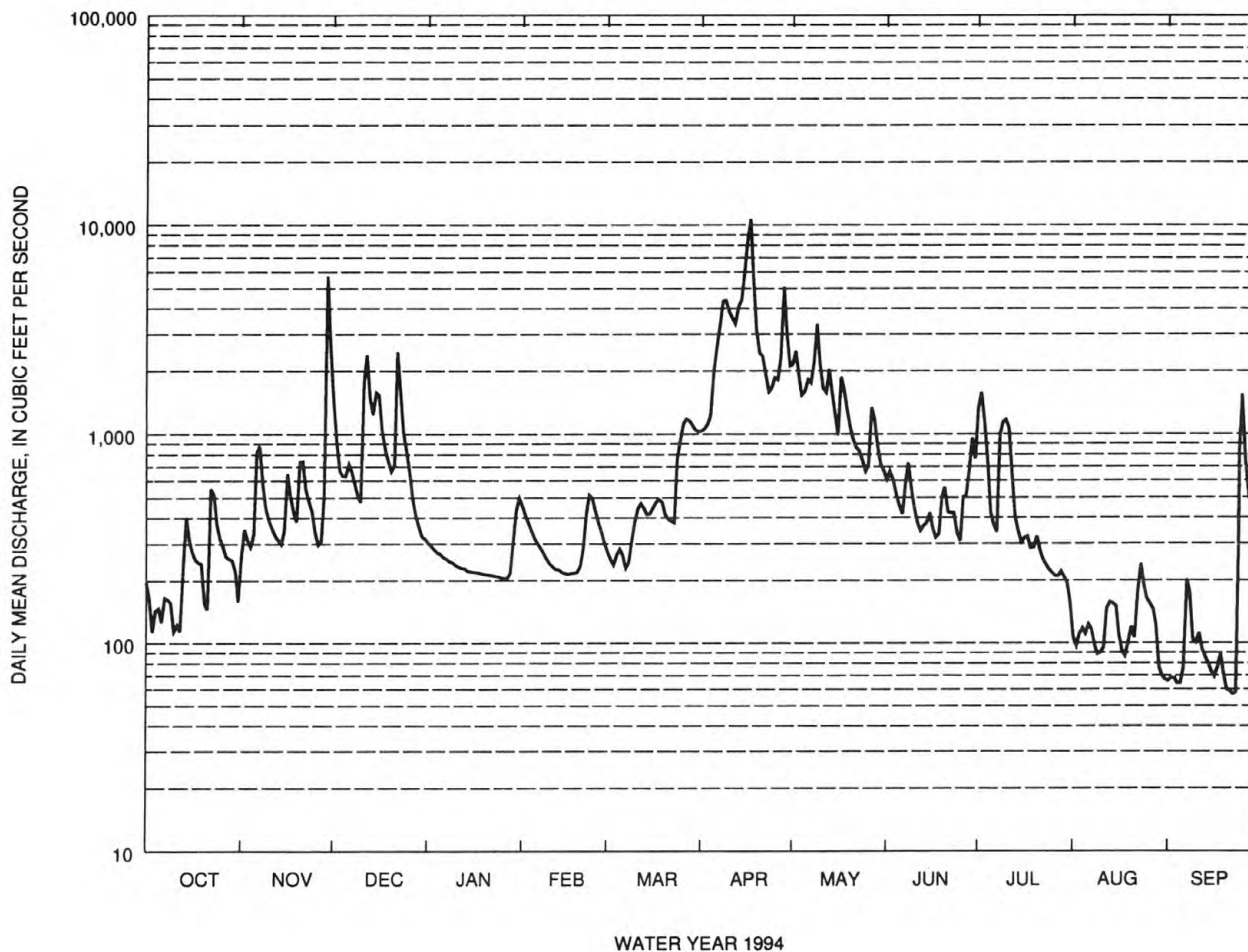
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1903 - 1994

ANNUAL TOTAL	242607		278571									
ANNUAL MEAN	665		763							722		
HIGHEST ANNUAL MEAN										1193		1974
LOWEST ANNUAL MEAN										333		1941
HIGHEST DAILY MEAN	12700	Apr 12	10700	Apr 17	36000	Apr 1 1987						
LOWEST DAILY MEAN	53	Aug 30	57	Sep 22	27	Aug 28 1949						
ANNUAL SEVEN-DAY MINIMUM	66	Jul 15	67	Aug 30	32	Aug 22 1949						
INSTANTANEOUS PEAK FLOW			14800	Apr 16	50700	Apr 1 1987						
INSTANTANEOUS PEAK STAGE			14.11	Apr 16	27.78	Feb 21 1978						
INSTANTANEOUS LOW FLOW			55	Sep 23	18	Oct 29 1929						
ANNUAL RUNOFF (CFSM)	1.88		2.16		2.04							
ANNUAL RUNOFF (INCHES)	25.57		29.36		27.78							
10 PERCENT EXCEEDS	1450		1820		1750							
50 PERCENT EXCEEDS	216		372		311							
90 PERCENT EXCEEDS	71		112		98							



KENNEBEC RIVER BASIN

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, revised.

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 801: Drainage area. WSP 1231: 1936(M).

GAGE.--Water-stage recorder. Datum of gage is 197.1 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Dec. 24 to Apr. 7. Records good except for period of ice effect, Dec. 24 to Apr. 7, and period of doubtful gage-height record, Jan. 26 to Feb. 18, 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 19.95 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)
Nov. 29	1100	8,720	8.62	Apr. 17	0745	*16,300	*10.96

Minimum discharge, 62 ft³/s, Sept. 23, gage height, 2.54 ft.

**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	144	179	1480	e570	e660	e440	e1450	2410	746	693	137	74
2	116	294	1110	e535	e605	e395	e1480	3270	831	1020	132	73
3	115	307	894	e510	e560	e355	e1540	2430	749	633	149	71
4	109	264	827	e485	e510	e350	e1750	2010	619	513	165	72
5	132	256	968	e470	e470	e377	e2700	1970	534	393	162	76
6	139	470	1180	e455	e435	e371	e3700	2240	481	318	172	87
7	131	847	960	e440	e415	e351	e4340	2080	758	279	160	97
8	118	577	808	e422	e395	e370	4910	2110	1210	262	141	142
9	106	401	689	e408	e375	e425	4190	4300	798	296	122	133
10	99	319	595	e395	e360	e520	3690	2710	585	409	111	127
11	97	279	1860	e385	e348	e600	3670	2090	474	549	103	133
12	106	252	3290	e380	e334	e665	4170	1960	412	390	105	129
13	149	231	1790	e375	e325	e640	4520	2870	422	289	104	120
14	276	217	1430	e370	e320	e605	6560	2060	511	238	99	118
15	264	218	1950	e360	e318	e605	7900	1560	642	209	95	105
16	202	329	2170	e350	e314	e635	10300	1380	529	191	110	95
17	170	468	1450	e347	e306	e675	13900	2400	429	190	115	88
18	150	370	1140	e343	e307	e700	6620	2340	408	187	108	81
19	137	342	1020	e340	e310	e650	4250	1750	451	171	110	75
20	135	629	971	e333	e330	e605	3410	1440	475	178	115	71
21	142	948	1230	e330	e380	e560	3290	1240	382	201	132	68
22	199	646	4220	e325	e600	e570	2770	1100	330	176	140	65
23	463	505	2530	e320	e730	e640	2350	1000	333	160	196	67
24	301	431	e1320	e315	e720	e960	2350	931	298	147	178	451
25	227	354	e990	e310	e675	e1340	2680	841	259	140	139	1310
26	190	296	e875	e306	e600	e1550	2470	905	311	139	118	741
27	169	266	e800	e300	e530	e1600	3180	1580	500	163	104	464
28	155	384	e750	e300	e475	e1530	4940	1520	456	178	94	407
29	144	6040	e690	e500	---	e1470	3550	1110	806	194	87	459
30	141	2660	e645	e620	---	e1450	2470	918	655	179	81	484
31	143	---	e610	e710	---	e1430	---	844	---	156	85	---
TOTAL	5169	19779	41242	12609	12707	23434	125100	57369	16394	9241	3869	6483
MEAN	167	659	1330	407	454	756	4170	1851	546	298	125	216
MAX	463	6040	4220	710	730	1600	13900	4300	1210	1020	196	1310
MIN	97	179	595	300	306	350	1450	841	259	139	81	65
CFSM	.32	1.28	2.59	.79	.88	1.47	8.11	3.60	1.06	.58	.24	.42
IN.	.37	1.43	2.98	.91	.92	1.70	9.05	4.15	1.19	.67	.28	.47

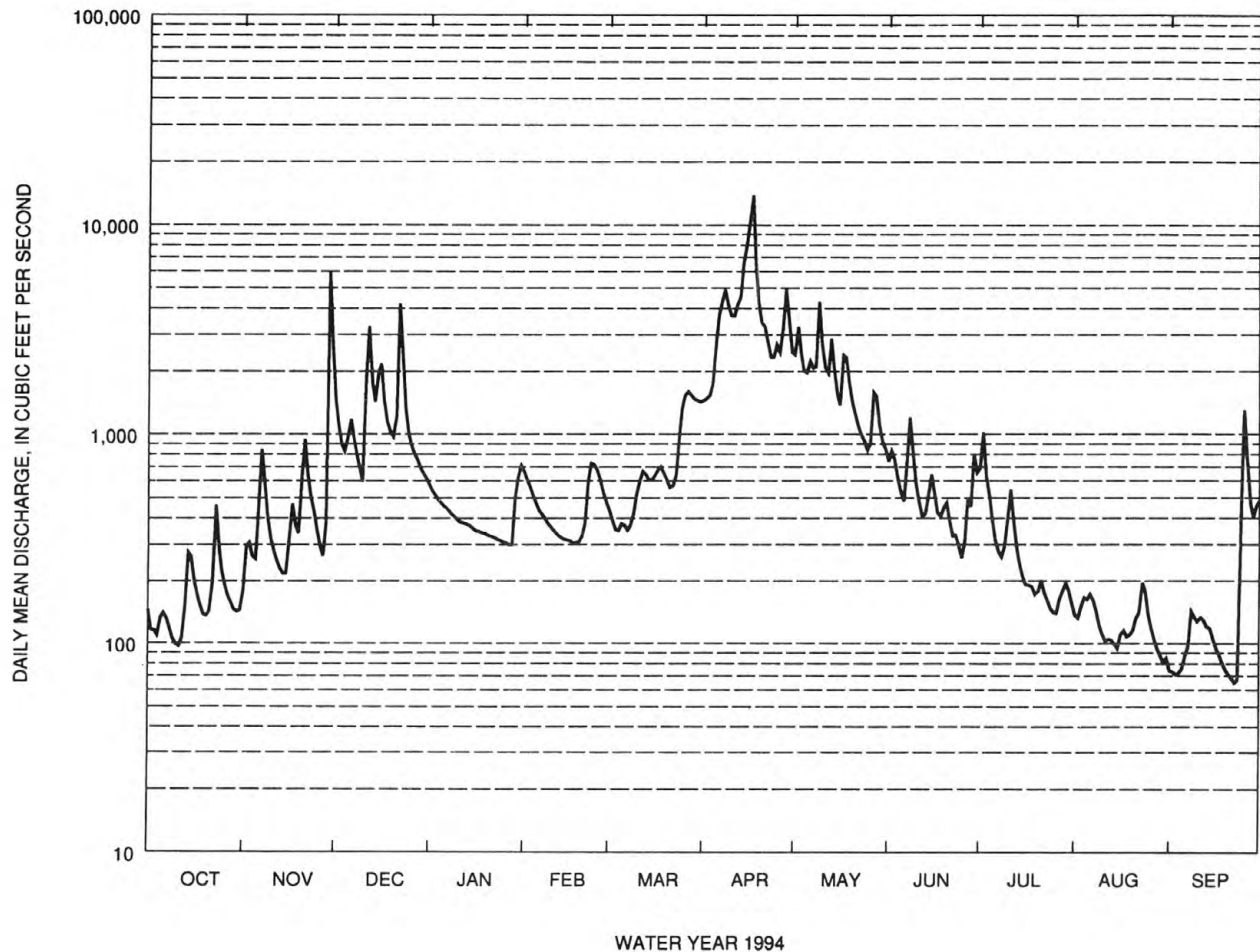
e Estimated

01048000 SANDY RIVER NEAR MERCER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	560	957	837	527	489	1205	3460	1960	745	356	255	278
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	1589	480	202	95.9	72.9	56.3
(WY)	1948	1979	1979	1948	1948	1956	1957	1941	1941	1993	1949	1955

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1929 - 1994	
ANNUAL TOTAL	295124		333396		970	
ANNUAL MEAN	809		913		1583	
HIGHEST ANNUAL MEAN					436	
LOWEST ANNUAL MEAN					1974	
HIGHEST DAILY MEAN	17000	Apr 18	13900	Apr 17	31400	Mar 27 1953
LOWEST DAILY MEAN	55	Sep 20	65	Sep 22	32	Sep 25 1939
ANNUAL SEVEN-DAY MINIMUM	57	Sep 19	74	Sep 17	33	Sep 19 1939
INSTANTANEOUS PEAK FLOW			16300	Apr 17	38600	Mar 19 1936
INSTANTANEOUS PEAK STAGE			10.96	Apr 17	18.89	Feb 12 1979
INSTANTANEOUS LOW FLOW			62	Sep 23	32	Sep 22 1939
ANNUAL RUNOFF (CFSM)	1.57		1.78		1.89	
ANNUAL RUNOFF (INCHES)	21.36		24.13		25.64	
10 PERCENT EXCEEDS	1790		2370		2460	
50 PERCENT EXCEEDS	217		425		421	
90 PERCENT EXCEEDS	73		115		112	



01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME

LOCATION.--Lat 44°43'00", long 69°24'56", Somerset County, Hydrologic Unit 01030003, on right bank 1.7 mi upstream from Twentyfive Mile Stream and 5.0 mi south of Pittsfield.

DRAINAGE AREA.--572 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.--Estimated daily discharges: Jan. 16, Jan. 24 to Feb. 2, Feb. 20-23, Feb. 25 to Mar. 1, and Mar. 6. Records fair, including periods of ice effect, Jan. 16, Jan. 24 to Feb. 2, Feb. 20-23, Feb. 25 to Mar. 1, and Mar. 6. Flow regulated by dam 0.4 mi upstream, and by Great Moose and Seabasticook 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, 7,970 ft³/s, Apr. 18, gage height, 9.46 ft, minimum daily discharge, 39 ft³/s, Aug. 30.

**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	335	204	1580	262	e449	e316	2030	1350	724	333	72	44
2	307	530	1620	380	e518	351	2150	1350	892	329	113	43
3	314	795	1210	441	480	486	2260	1350	1000	370	132	43
4	300	752	868	201	486	274	2570	1290	776	333	92	43
5	301	233	804	276	421	235	3030	1220	583	329	123	82
6	274	169	932	287	403	e258	3650	1000	370	329	159	68
7	234	357	1080	253	366	327	4310	799	306	332	80	324
8	229	367	1140	266	362	518	4990	839	550	328	86	442
9	244	319	1090	266	203	465	5340	1050	473	332	88	460
10	225	366	1050	276	331	358	5280	1510	680	328	120	675
11	172	362	1530	229	385	846	5420	1830	606	364	114	919
12	180	423	2170	250	334	1240	5440	1460	536	161	107	983
13	230	400	2520	247	191	1290	5450	1050	464	255	132	973
14	220	206	2560	214	175	1250	5840	951	457	321	87	916
15	178	123	2510	219	437	938	6350	932	642	332	82	845
16	155	425	2420	e229	382	629	6740	908	716	171	143	764
17	166	409	2190	226	149	646	7320	994	677	100	136	521
18	154	210	1930	264	205	737	7810	1080	620	165	145	223
19	144	293	1730	364	593	1010	7870	1170	758	283	61	206
20	121	376	1540	260	e822	1230	7450	1190	748	311	65	435
21	153	513	1470	262	e742	1250	6750	1160	716	115	78	546
22	201	512	1770	241	e737	1220	5940	1110	645	103	83	552
23	110	506	2020	250	e796	1260	5100	1010	547	88	136	507
24	101	478	2040	e164	760	1510	3990	808	565	111	120	642
25	204	474	2000	e164	e474	1670	2970	667	389	102	63	713
26	103	453	1790	e164	e281	1790	1900	615	399	106	60	737
27	111	403	1560	e164	e294	1850	1130	805	435	116	40	856
28	171	209	1350	e226	e312	1900	1150	893	391	103	40	1060
29	95	602	1030	e402	---	1920	1320	861	314	127	72	1540
30	160	1210	613	e454	---	1940	1350	812	329	114	39	1730
31	136	---	411	e454	---	1950	---	767	---	92	55	---
TOTAL	6028	12679	48528	8355	12088	31664	132900	32831	17308	6983	2923	17892
MEAN	194	423	1565	270	432	1021	4430	1059	577	225	94.3	596
MAX	335	1210	2560	454	822	1950	7870	1830	1000	370	159	1730
MIN	95	123	411	164	149	235	1130	615	306	88	39	43

e Estimated

01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	465	906	1049	678	658	1280	3421	1442	641	335	286	398
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1929 - 1994	
ANNUAL TOTAL	293690		330179		959	
ANNUAL MEAN	805		905		1645	
HIGHEST ANNUAL MEAN					437	
LOWEST ANNUAL MEAN					1954	
HIGHEST DAILY MEAN	9610	Apr 15	7870	Apr 19	17200	Apr 3 1987
LOWEST DAILY MEAN	13	Jan 22	39	Aug 30	4.5	Nov 10 1956
ANNUAL SEVEN-DAY MINIMUM	50	Aug 7	48	Aug 27	6.6	Nov 6 1965
INSTANTANEOUS PEAK FLOW			7970	Apr 18	17600	Apr 3 1987
INSTANTANEOUS PEAK STAGE			9.46	Apr 18	15.53	Apr 3 1987
10 PERCENT EXCEEDS	1950		1930		2460	
50 PERCENT EXCEEDS	293		437		492	
90 PERCENT EXCEEDS	61		111		118	



KENNEBEC RIVER BASIN

01049205 KENNEBEC RIVER NEAR WATERVILLE, 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.---Estimated daily discharges: Oct. 1 to Nov. 4, Nov. 29 to Dec. 7, Dec. 25 to Apr. 7, and Aug. 11 to Sept. 30. Records good except for period of ice effect, Dec. 25 to Apr. 7, periods of doubtful gage-height record, Nov. 29 to Dec. 7 and Aug. 11 to Sept. 30, and period of no gage-height record, Oct. 1 to Nov. 4, which are fair. Flow regulated by Moosehead Lake (station 01040500), Indian Pond, and Brassua, Flagstaff, and Wyman Lakes (Reservoirs in Kennebec River Basin).

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 CURRENT YEAR.---Maximum discharge, 90,300 ft³/s, Apr. 17, gage height, 30.68 ft, from floodmarks; minimum daily discharge, 2,530 ft³/s, Sept. 3.

**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	e3740	e3600	e10900	e7000	e7300	e6750	e9200	21000	9570	6160	4120	e2600
2	e3620	e4300	e8400	e7100	e7300	e6650	e9800	25900	9860	9430	5070	e2660
3	e3600	e4510	e6450	e6850	e7370	e6600	e10800	23800	9970	8190	4790	e2530
4	e3570	e4350	e5800	e6600	e7300	e6750	e13000	20300	9320	7340	5030	e2590
5	e3600	4020	e6200	e6300	e6950	e6600	e16000	19000	7800	5510	5350	e2780
6	e3560	4300	e7000	e6030	e7200	e6500	e20000	20800	7030	4440	3960	e2550
7	e3550	6210	e6500	e5950	e7000	e6450	e24800	20600	5700	4960	4530	e2840
8	e3450	5070	6020	e6600	e6620	e6560	28500	20700	5600	6420	4780	e3060
9	e3590	5170	6910	e6430	e6600	e6730	26800	28200	7980	6520	4780	e3080
10	e3390	3940	5990	e6620	e6670	e7000	25600	28200	7350	6220	4430	e3210
11	e3360	3410	12200	e6450	e6500	e7350	25800	25100	7120	6980	e3700	e3300
12	e3490	3990	14800	e6780	e6370	e7950	28900	22700	6600	5120	e4800	e3590
13	e3690	3660	13500	e6820	e6400	e8000	31200	25200	6640	4830	e3920	e3780
14	e3940	3500	12700	e6780	e6230	e7950	37500	23100	7260	4140	e3850	e3580
15	e3760	3720	12700	e6300	e6400	e7720	45100	20300	8210	5000	e3900	e3330
16	e3540	3560	13400	e5950	e6470	e7580	53300	17500	5740	5140	e3920	e3260
17	e3510	4020	10700	e6120	e6500	e7620	81500	18400	5600	4660	e3660	e2920
18	e3700	3830	8670	e6200	e6400	e7600	58800	22400	7740	5090	e3450	e2580
19	e3360	3620	7800	e6530	e6250	e7470	38700	18600	8320	5730	e3210	e2580
20	e3370	4660	8380	e6570	e6600	e7850	31500	16100	8820	5820	e3270	e2960
21	e3500	5920	8740	e6460	e7350	e7800	28400	13300	6990	5740	e3430	e3190
22	e4530	4750	16400	e6390	e7600	e6700	24700	12000	6140	5440	e3470	e3110
23	e5690	4230	14000	e6410	e7450	e7000	19500	11900	5970	5490	e3540	e3040
24	e4620	3990	11800	e4700	e7950	e7400	15600	10600	6480	5340	e3120	e5190
25	e4040	3690	e10700	e5950	e7800	e8350	15600	9210	5770	5420	e2910	e8820
26	e3370	3630	e9800	e4650	e7230	e9400	16200	8210	6080	5550	e2840	e6000
27	e3230	3770	e8300	e4520	e6940	e9320	17200	8850	5590	5590	e2800	e4980
28	e3300	4520	e8150	e6300	e6850	e9100	24300	11100	5060	5490	e2920	e4880
29	e3270	e25800	e7800	e7500	---	e9150	29500	10600	6380	5580	e2820	e5300
30	e3320	e16900	e7530	e7350	---	e8600	23800	9470	5960	4130	e2600	e5840
31	e3330	---	e7150	e7420	---	e8800	---	9160	---	4200	e2660	---
TOTAL	113590	160640	295390	197630	193600	235300	831600	552300	212650	175670	117630	110130
MEAN	3664	5355	9529	6375	6914	7590	27720	17820	7088	5667	3795	3671
MAX	5690	25800	16400	7500	7950	9400	81500	28200	9970	9430	5350	8820
MIN	3230	3410	5800	4520	6230	6450	9200	8210	5060	4130	2600	2530

e Estimated

01049205 KENNEBEC RIVER NEAR WATERTVILLE, ME--Continued

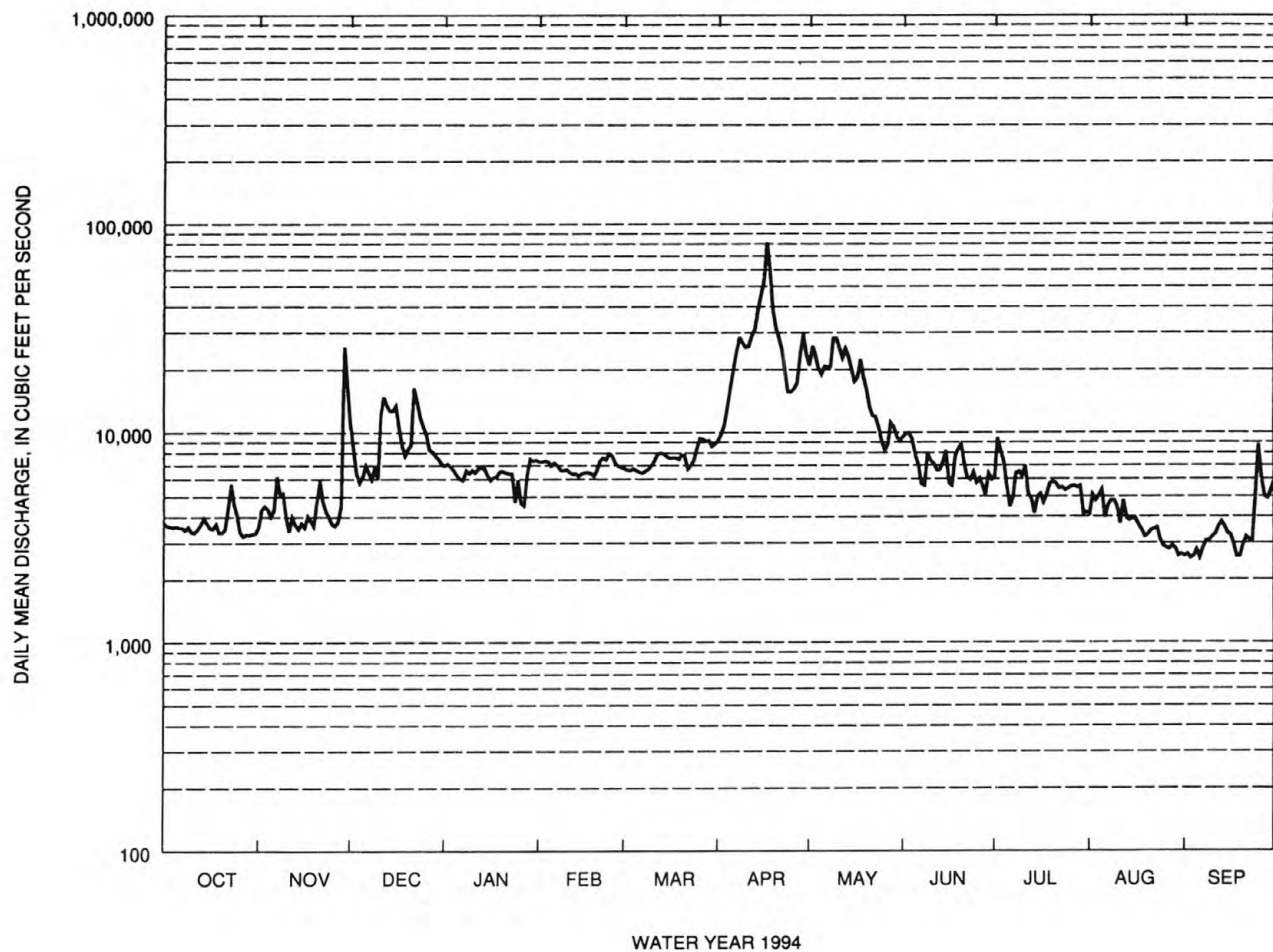
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3664	5355	9529	6375	6914	7590	27720	17820	7088	5667	3795	3671
MAX	3664	5355	9529	6375	6914	7590	27720	17820	7088	5667	3795	3671
(WY)	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994
MIN	3664	5355	9529	6375	6914	7590	27720	17820	7088	5667	3795	3671
(WY)	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS

FOR 1994 WATER YEAR

ANNUAL TOTAL	3196130	
ANNUAL MEAN	8757	
HIGHEST DAILY MEAN	81500	Apr 17
LOWEST DAILY MEAN	2530	Sep 3
ANNUAL SEVEN-DAY MINIMUM	2620	Aug 31
INSTANTANEOUS PEAK FLOW	90300	Apr 17
INSTANTANEOUS PEAK STAGE	30.68	Apr 17
10 PERCENT EXCEEDS	19700	
50 PERCENT EXCEEDS	6450	
90 PERCENT EXCEEDS	3360	



PERIOD OF RECORD.--Water years 1979 to current year.

CHEMICAL ANALYSES: Water years 1978 to August 1993.

DISSOLVED OXYGEN: October 1978 to October 1984, seasonal records November 1984 to current year.

DISSOLVED OXYGEN: Maximum, 15.4 mg/L, Apr. 7, 1984; minimum, 4.0 mg/L, Sept. 23, 1986.

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	57	44	49	68	60	64	80	68	73	92	88	90
2	60	47	55	68	60	64	75	72	73	96	90	92
3	59	52	54	60	54	56	81	72	75	98	92	97
4	64	47	56	56	55	55	75	71	72	97	94	96
5	56	47	51	62	55	59	76	67	71	98	92	94
6	63	51	57	61	57	59	72	66	68	99	93	96
7	69	61	64	69	60	65	73	67	69	101	96	99
8	68	56	61	69	64	66	77	69	73	99	90	93
9	70	57	65	70	60	64	75	67	70	93	90	91
10	66	60	61	62	57	59	73	68	71	97	92	96
11	62	59	61	63	58	60	72	67	71	95	89	92
12	65	59	62	67	58	63	71	66	69	91	88	89
13	65	62	63	69	62	65	79	71	76	95	91	92
14	70	62	66	75	67	70	80	70	74	91	89	90
15	72	61	65	76	69	72	74	68	71	97	88	91
16	72	61	65	77	74	75	76	69	73	91	84	87
17	67	50	56	79	71	73	79	70	74	87	84	85
18	71	66	68	76	70	72	76	73	75	93	86	89
19	70	66	68	74	67	70	88	69	77	92	88	90
20	70	66	68	72	63	68	84	77	81	92	85	89
21	73	62	67	68	62	65	86	77	79	94	91	92
22	62	57	59	70	64	67	86	77	80	96	92	94
23	63	59	61	68	62	65	84	79	81	95	91	92
24	69	61	65	69	63	66	87	79	83	107	96	101
25	69	62	64	70	66	67	85	79	81	104	77	89
26	65	58	61	72	67	69	84	79	81	77	64	68
27	64	59	62	74	68	71	93	82	89	70	64	66
28	67	63	64	80	68	72	93	89	91	78	70	73
29	65	62	64	73	63	68	97	88	93	85	77	81
30	65	62	63	77	71	73	91	85	88	84	81	83
31	---	---	---	74	67	70	88	84	86	---	---	---
MONTH PERIOD	73 107	44 44	61 73	80	54	66	97	66	77	107	64	89

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	15.0	13.5	14.0	23.0	21.5	22.0	26.5	24.0	25.0	21.0	20.5	20.5
2	14.5	14.0	14.5	22.5	22.0	22.5	25.5	24.5	25.0	21.5	19.5	20.5
3	15.0	14.0	14.5	23.5	22.0	22.5	25.5	24.5	25.0	21.5	19.5	20.5
4	15.5	13.5	14.5	23.5	22.5	22.5	26.0	24.5	25.0	20.5	19.0	20.0
5	15.5	14.0	15.0	23.5	22.0	22.5	25.5	24.0	25.0	20.0	18.0	19.0
6	16.5	15.5	16.0	24.0	22.0	23.0	24.5	23.5	24.0	18.5	17.5	18.0
7	17.5	15.5	16.5	24.5	23.0	23.5	25.0	22.5	23.5	19.5	17.5	18.5
8	17.5	16.5	17.0	23.5	23.0	23.0	24.5	23.0	24.0	20.0	18.0	19.0
9	18.0	16.0	17.0	23.5	22.5	23.0	24.5	23.0	24.0	19.5	18.0	18.5
10	17.5	16.5	17.0	23.5	22.0	22.5	24.0	23.0	23.5	18.5	17.5	18.0
11	18.0	16.5	17.5	23.5	22.5	23.0	24.5	22.5	23.0	18.5	17.5	18.0
12	17.5	16.5	17.0	24.0	22.5	23.0	24.5	22.0	23.0	19.5	17.5	18.5
13	18.5	17.0	17.5	23.5	23.0	23.0	23.5	23.0	23.5	19.5	18.0	18.5
14	19.0	18.0	18.5	24.5	22.5	23.5	23.5	23.0	23.0	20.0	18.0	19.0
15	20.0	18.0	19.0	24.5	22.5	23.0	23.5	22.0	22.5	20.5	18.0	19.0
16	21.0	18.5	19.5	25.0	23.0	23.5	23.5	21.5	22.0	19.5	18.5	19.0
17	21.5	18.5	20.0	25.0	23.5	24.0	24.0	21.5	22.5	20.0	18.5	19.0
18	22.5	20.5	21.5	24.0	23.5	23.5	23.0	22.0	22.5	19.5	18.5	19.0
19	23.0	21.5	22.0	24.0	23.5	23.5	23.0	21.5	22.0	19.0	18.0	18.5
20	23.0	21.5	22.5	24.5	23.5	24.0	24.0	22.0	23.0	19.0	16.5	18.0
21	22.5	20.5	21.5	25.5	23.5	24.5	23.5	22.0	22.5	20.0	17.5	18.5
22	22.5	20.5	21.5	25.0	24.5	24.5	22.5	22.0	22.0	20.0	18.5	19.0
23	22.5	21.0	21.5	25.5	24.5	25.0	23.0	21.0	22.0	19.0	18.0	18.5
24	22.0	21.0	21.5	25.5	24.5	25.0	23.5	21.0	22.0	18.0	17.0	17.5
25	21.0	20.0	20.5	25.5	25.0	25.0	23.5	21.0	22.5	17.5	17.0	17.5
26	21.0	20.0	20.0	26.0	25.0	25.0	24.0	21.5	22.5	18.0	17.0	17.5
27	22.0	20.0	21.0	25.5	25.0	25.0	24.0	22.0	23.0	17.5	17.5	17.5
28	22.5	21.0	21.5	25.0	24.0	24.5	24.0	22.0	23.0	18.0	17.0	17.5
29	22.0	21.5	21.5	25.0	24.0	24.5	24.0	22.5	23.0	18.0	17.0	17.5
30	22.0	21.0	21.5	25.5	24.0	24.5	23.0	21.0	22.0	17.0	16.0	16.5
31	---	---	---	25.5	24.0	25.0	22.0	20.5	21.0	---	---	---
MONTH PERIOD	23.0 26.5	13.5 13.5	19.0 21.0	26.0	21.5	23.5	26.5	20.5	23.0	21.5	16.0	18.5

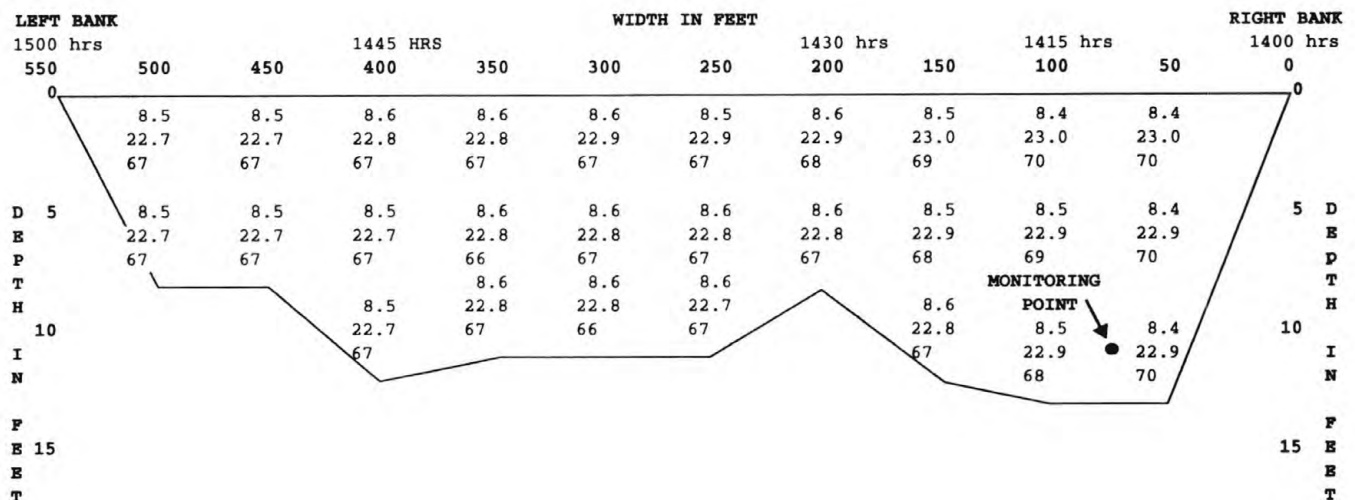
01049265 KENNEBEC RIVER AT NORTH SIDNEY, ME--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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

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)

AUGUST 16, 1994



DAILY MEAN DISCHARGE

RECORDED HOURLY VALUES

CROSS SECTION VALUES

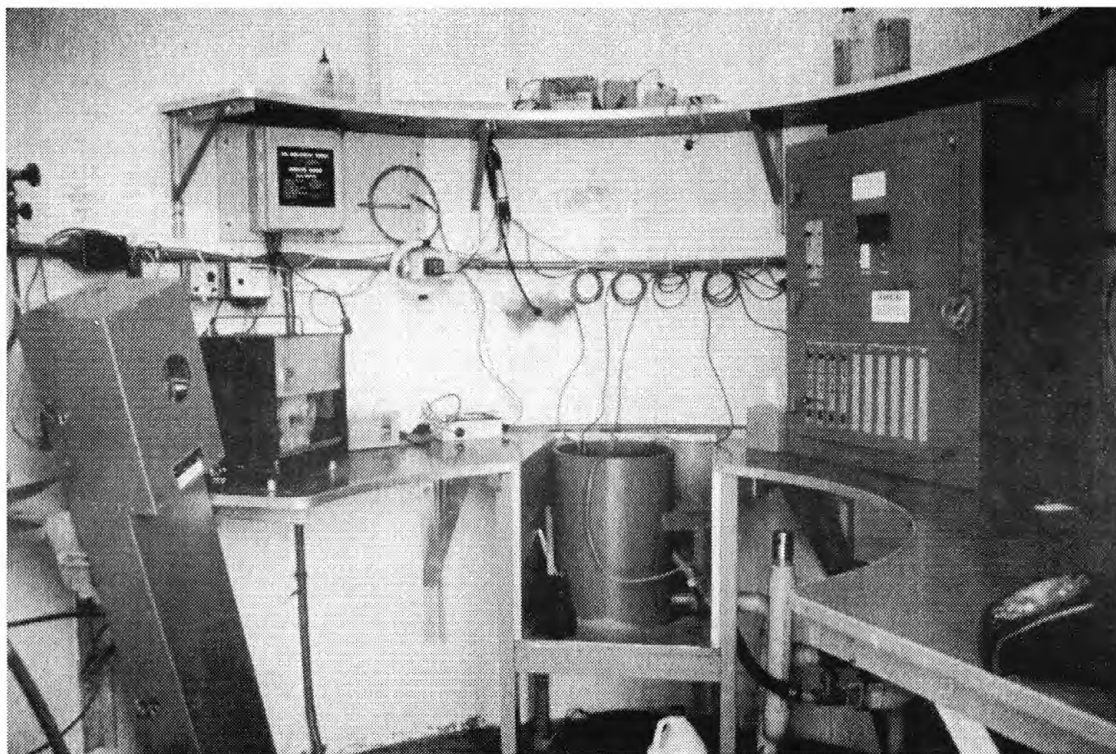
RECORDED DAILY VALUES

4,650 ft³/s

	1300	1400	1500
DO	8.2	8.3	8.5
WT	22.6	22.9	23.1
SC	71	72	74

	Max	Min	Mean
DO	8.6	8.4	8.5
WT	23.0	22.7	22.8
SC	70	66	68

	Max	Min	Mean
DO	8.5	7.6	8.0
WT	23.3	21.5	22.2
SC	76	69	73



Surface-water and Water-quality Monitoring Station
Kennebec River at North Sidney,
August 12, 1992

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.--Estimated daily discharges: Oct. 30 to Jan. 14 and Sept. 7. Records good, except for periods of no gage-height record, Oct. 30 to Jan. 14 and Sept. 7, and period of doubtful gage-height record, Jan. 15 to Mar. 8, which are poor. 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. 1961 to 1964 records 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, 1,870 ft³/s, Apr. 17, gage height, 7.30 ft; minimum daily discharge, 31 ft³/s, Sept. 9-16.

**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	209	e142	e385	e322	320	323	1120	738	198	71	42	47
2	210	e167	e343	e322	320	323	1190	655	183	71	43	46
3	210	e220	e325	e322	320	323	1220	470	192	69	42	46
4	210	e170	e320	e333	320	323	1330	300	194	69	42	46
5	211	e270	e295	e360	320	323	1540	287	187	69	43	48
6	206	e300	e550	e310	320	323	1600	361	189	70	42	49
7	188	e268	e515	e230	320	323	1570	434	194	69	42	e42
8	202	e245	e440	e225	320	314	1560	451	178	69	41	32
9	205	e230	e410	e225	320	306	1550	759	146	69	41	31
10	202	e195	e385	e240	320	291	1530	887	95	69	41	31
11	199	e195	e820	e190	320	380	1490	753	85	69	42	31
12	200	e195	e1060	e190	320	394	1430	557	85	69	42	31
13	206	e195	e920	e190	320	393	1390	373	76	68	42	31
14	202	e195	e950	e190	320	397	1480	198	74	65	42	31
15	207	e195	e840	190	320	398	1540	219	78	57	42	31
16	203	e195	e750	190	320	420	1580	223	83	45	43	31
17	206	e195	e665	190	320	452	1770	255	99	44	43	32
18	200	e195	e595	190	320	552	1740	265	107	44	47	32
19	200	e195	e550	190	320	595	1600	248	106	45	46	84
20	200	e195	e510	190	311	575	1490	271	104	45	46	138
21	201	e195	e475	190	300	561	1290	315	105	44	49	209
22	197	e250	e1770	190	310	556	1150	353	103	44	48	231
23	202	e240	e1680	190	320	1050	1060	339	101	44	48	234
24	204	e228	e1300	190	323	1570	914	344	97	44	48	532
25	204	e220	e960	190	323	1600	823	401	95	43	48	623
26	312	e210	e750	190	323	1570	787	713	97	45	48	572
27	384	e207	e620	190	323	1510	788	705	94	44	48	514
28	239	e320	e540	190	323	1430	794	696	108	43	46	457
29	127	e550	e322	245	---	1380	806	674	96	43	46	421
30	e130	e450	e322	318	---	1320	776	656	70	42	46	425
31	e135	---	e322	320	---	1200	---	371	---	42	46	---
TOTAL	6411	7027	20689	7192	8936	21475	38908	14271	3619	1724	1375	5108
MEAN	207	234	667	232	319	693	1297	460	121	55.6	44.4	170
MAX	384	550	1770	360	323	1600	1770	887	198	71	49	623
MIN	127	142	295	190	300	291	776	198	70	42	41	31

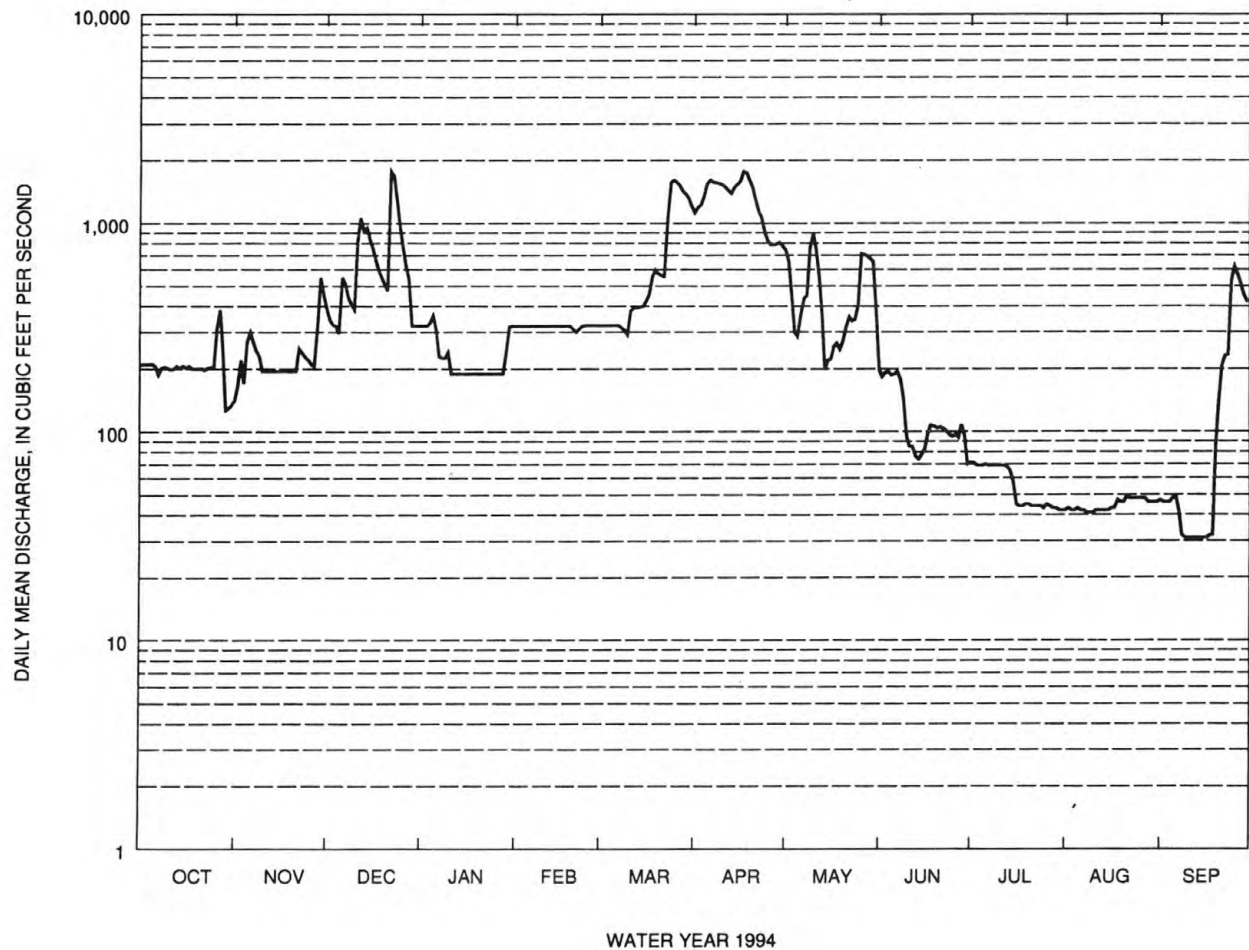
e Estimated

01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1891 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	237	249	305	270	286	547	918	450	302	191	188	199
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1906 - 1994	
ANNUAL TOTAL	122054		136735		351	
ANNUAL MEAN	334		375		723	
HIGHEST ANNUAL MEAN					172	
LOWEST ANNUAL MEAN					1984	
HIGHEST DAILY MEAN	2560	Apr 13	1770	Dec 22	4320	Mar 20 1936
LOWEST DAILY MEAN	33	Sep 4	31	Sep 9	.00	Aug 25 1890
ANNUAL SEVEN-DAY MINIMUM	34	Sep 2	31	Sep 9	7.9	Jul 11 1892
INSTANTANEOUS PEAK FLOW			1870	Apr 17	5020	Mar 21 1936
INSTANTANEOUS PEAK STAGE			7.30	Apr 17		
10 PERCENT EXCEEDS	872		996		750	
50 PERCENT EXCEEDS	188		225		260	
90 PERCENT EXCEEDS	41		44		60	



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 current year.

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.--Estimated daily discharges: Oct. 10-26 and Jan. 4-27. Records good except for period of ice effect, Jan. 4-27, and period of no gage-height record, Oct. 10-26, 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 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)
Dec. 21	1700	263	4.73	Apr. 5	2000	*291	*4.87
Mar. 25	1900	241	4.61	Apr. 16	2100	283	4.83

Minimum discharge, 1.7 ft³/s, Oct. 4, gage height, 2.83 ft.

**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	2.6	9.3	39	46	49	23	191	74	26	8.6	6.1	5.1
2	2.7	8.4	34	43	47	22	188	68	26	8.3	7.4	4.8
3	4.0	7.2	34	40	44	22	188	63	24	8.5	9.2	4.6
4	2.6	6.5	33	e37	40	24	237	55	22	8.3	6.7	4.6
5	2.9	9.6	61	e36	37	23	241	62	19	8.0	7.9	5.1
6	2.7	16	62	e34	35	22	231	69	19	8.2	6.5	5.7
7	2.4	12	54	e33	32	21	257	63	19	8.5	6.1	4.6
8	2.4	9.8	49	e32	30	30	238	89	19	8.1	6.0	4.0
9	2.7	10	45	e30	29	32	207	103	17	7.4	5.8	4.0
10	e3.1	7.2	43	e29	28	42	207	85	15	7.7	5.9	3.8
11	e2.8	6.2	120	e28	27	48	210	74	14	7.2	5.8	3.9
12	e2.5	5.8	124	e27	25	46	187	73	14	7.0	5.8	3.4
13	e4.0	5.6	104	e26	25	43	179	72	16	6.3	5.5	3.7
14	e4.9	5.4	104	e25	24	43	219	66	19	6.3	5.4	3.9
15	e3.7	5.5	86	e25	23	45	189	44	17	6.2	5.2	3.8
16	e3.2	7.2	81	e25	23	54	209	35	15	6.7	5.1	4.0
17	e3.0	5.1	67	e24	22	59	248	53	14	6.1	5.1	3.9
18	e2.9	12	58	e24	21	59	197	49	15	6.0	7.7	3.7
19	e2.8	9.5	57	e24	20	59	164	47	14	5.7	7.2	3.7
20	e3.3	25	55	e24	20	59	143	42	12	5.8	5.8	3.6
21	e2.8	21	142	e24	25	60	126	37	11	5.6	8.0	3.8
22	e3.9	19	208	e23	28	100	110	34	11	5.5	8.8	3.5
23	e4.6	18	152	e23	27	182	95	33	10	5.3	6.3	4.1
24	e3.9	17	121	e23	28	214	69	32	9.5	5.0	5.9	27
25	e3.5	16	103	e23	29	227	35	35	9.7	5.1	5.8	22
26	e3.2	14	89	e23	27	232	44	38	8.9	5.5	5.8	18
27	2.9	13	76	e32	26	218	56	39	8.8	7.6	5.8	13
28	3.3	34	66	48	24	210	62	34	8.2	6.3	5.4	21
29	3.1	61	58	58	---	197	57	31	8.7	6.2	5.4	23
30	2.7	48	53	54	---	185	76	29	8.6	6.1	5.3	17
31	5.4	---	49	51	---	186	---	27	---	6.1	5.0	---
TOTAL	100.5	444.3	2427	994	815	2787	4860	1655	450.4	209.2	193.7	236.3
MEAN	3.24	14.8	78.3	32.1	29.1	89.9	162	53.4	15.0	6.75	6.25	7.88
MAX	5.4	61	208	58	49	232	257	103	26	8.6	9.2	27
MIN	2.4	5.1	33	23	20	21	35	27	8.2	5.0	5.0	3.4
CFSM	.14	.62	3.30	1.35	1.23	3.79	6.84	2.25	.63	.28	.26	.33
IN.	.16	.70	3.81	1.56	1.28	4.37	7.63	2.60	.71	.33	.30	.37

e Estimated

01049550 TOGUS STREAM AT TOGUS, MAINE—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	16.1	44.7	57.2	35.6	34.9	78.4	126	51.1	30.4	8.73	8.52	7.38
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

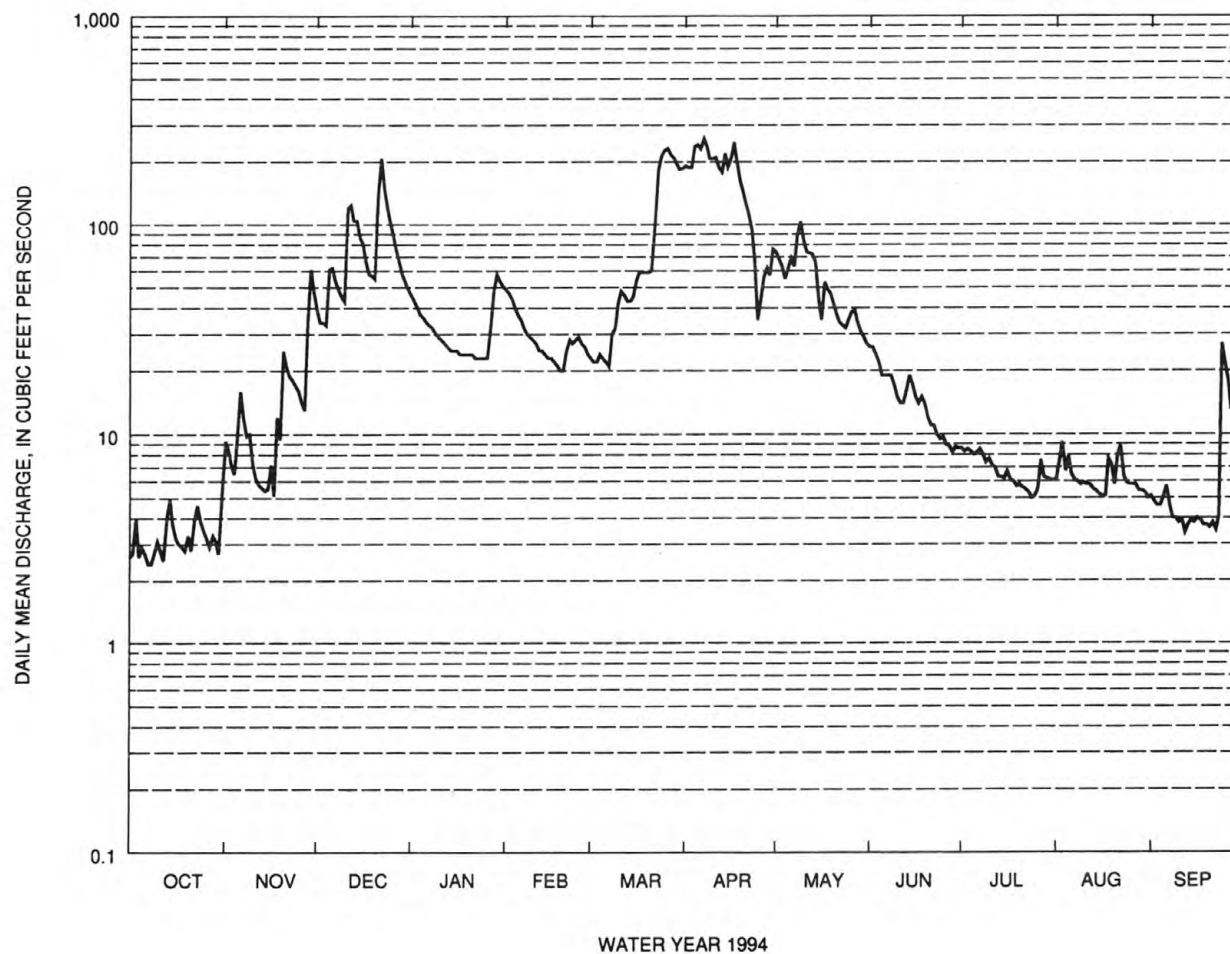
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1982 - 1994

ANNUAL TOTAL	13431.7	15172.4	
ANNUAL MEAN	36.8	41.6	41.5
HIGHEST ANNUAL MEAN			68.4
LOWEST ANNUAL MEAN			19.7
			1984
			1985
HIGHEST DAILY MEAN	507	Apr 12	257
LOWEST DAILY MEAN	2.2	Sep 25	2.4
ANNUAL SEVEN-DAY MINIMUM	2.3	Sep 19	2.7
			Apr 7
			Oct 7
			Oct 6
INSTANTANEOUS PEAK FLOW			291
INSTANTANEOUS PEAK STAGE			4.87
INSTANTANEOUS LOW FLOW			1.7
			Apr 5
			Apr 5
			Oct 4
			1010
			7.50
			.79
			Apr 1 1987
			Apr 1 1987
			Sep 30 1984
ANNUAL RUNOFF (CFSM)	1.55	1.75	1.75
ANNUAL RUNOFF (INCHES)	21.08	23.81	23.78
10 PERCENT EXCEEDS	120	114	100
50 PERCENT EXCEEDS	13	23	22
90 PERCENT EXCEEDS	2.9	3.9	3.9



Reservoirs in Kennebec River Basin

01038500 BRASSUA LAKE on Moose River, 4 mi southwest of Rockwood, Maine, completed in 1928 for power, has usable capacity of 8,560,000,000 ft³ between elevations 1,043.0 ft and 1,073.0 ft. Records furnished by Kennebec Water Power Co.

01040500 MOOSEHEAD LAKE on Kennebec River (station 01040500).

01041500 INDIAN POND on Kennebec River, in T. 1, R. 6, Maine, 13 mi downstream from east outlet of Moosehead Lake, completed in 1954 for power, has usable capacity of 690,000,000 ft³ between elevations 950.0 ft and 955.0 ft. Records furnished by Central Maine Power Co.

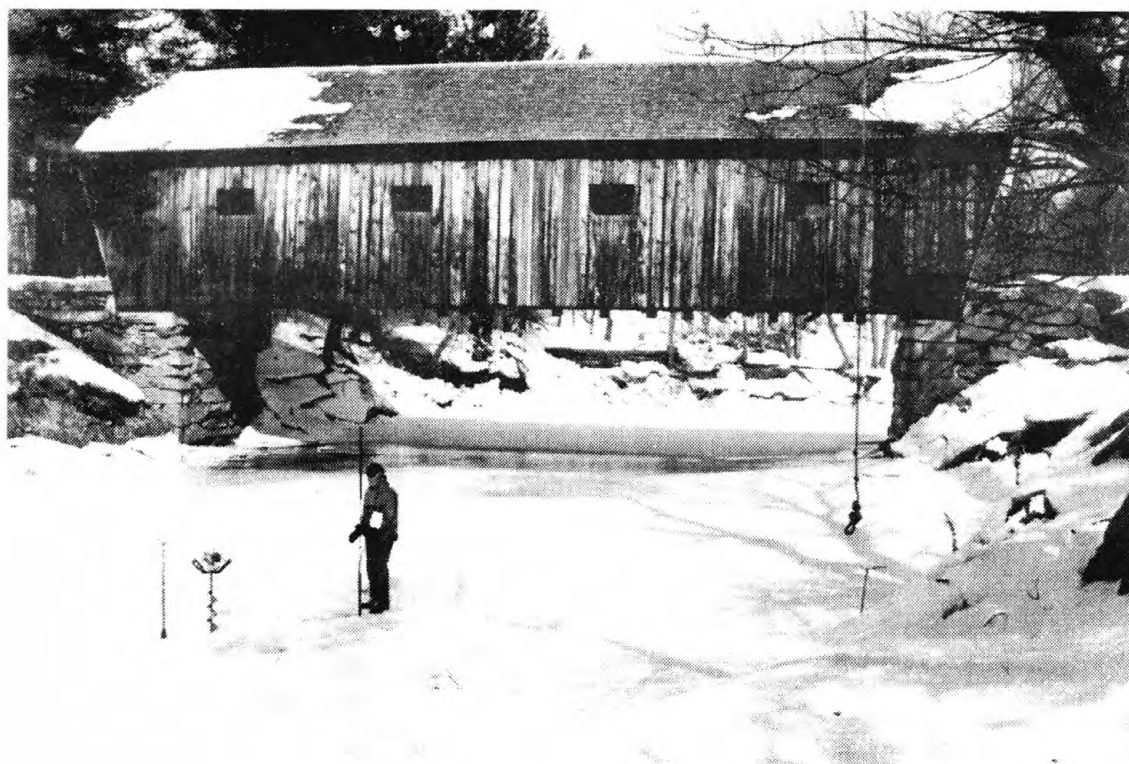
01043000 FLAGSTAFF LAKE on Dead River, in T. 3, R. 4, Maine, 0.8 mi upstream from Black Brook, completed in 1950 for power, has usable capacity of 12,050,000,000 ft³ between elevations 1,110.0 ft and 1,146.0 ft. Records furnished by Kennebec Water Power Co.

01045500 WYMAN LAKE on Kennebec River, 1.5 mi upstream from Bingham, Maine, completed in 1930 for power, has usable capacity of 2,943,000,000 ft³ between elevations 462.0 ft and 485.0 ft. Records furnished by Central Maine Power Co.

MONTHEND USABLE CONTENTS, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

Date	Brassua Lake	Indian Pond	Flagstaff Lake	Wyman Lake
SEPT. 30, 1993.....	6,760	810	6,951	2,888
OCT. 31.....	7,783	852	6,810	2,724
NOV. 30.....	8,683	664	7,855	2,842
DEC. 31.....	7,779	533	9,140	2,919
JAN. 31, 1994.....	5,096	592	6,328	2,905
FEB. 28.....	2,577	597	3,220	2,839
MAR. 31.....	1,409	494	1,007	2,832
APR. 30.....	8,280	850	9,381	2,817
MAY 31.....	8,718	788	11,555	2,872
JUNE 30.....	8,556	736	10,910	2,914
JULY 31.....	8,727	850	9,312	2,786
AUG. 31.....	7,586	716	7,829	2,894
SEPT. 30.....	6,526	762	7,340	2,921

NOTE.--All values observed at 0700 on first day of following month.



Surface-water discharge measurement
under ice-cover
Ellis River at South Andover
March 1982

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.--Estimated daily discharges: Nov. 25-28, Dec. 9-10, and Dec. 24 to Apr. 14. Records good except for periods of ice effect, Nov. 25-28, Dec. 9-10, and Dec. 24 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, 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)
Apr. 16	1930	4,640	^a *8.33	Apr. 28	0345	*5,150	8.31

Minimum discharge, 46 ft³/s, Aug. 13 and Sept. 5, gage height, 1.45 ft.

^a ice jam

**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	192	205	241	e124	e790	e113	e96	1800	406	406	71	58
2	159	197	226	e122	e568	e108	e94	2150	352	365	63	69
3	364	171	264	e120	e246	e102	e95	1350	312	621	97	57
4	338	180	265	e118	e126	e97	e148	1320	270	372	80	50
5	415	236	248	e116	e102	e93	e300	1430	228	237	126	49
6	293	940	232	e114	e95	e90	e300	1110	208	197	156	76
7	224	696	213	e112	e89	e92	e1000	1240	766	174	92	69
8	199	378	200	e110	e85	e93	e1200	1720	758	232	67	72
9	206	294	e139	e109	e81	e98	e850	1710	467	180	56	82
10	282	263	e147	e108	e78	e97	e600	1210	327	981	70	96
11	242	233	632	e106	e75	e93	e745	962	264	437	71	181
12	202	226	478	e105	e73	e90	e760	927	242	267	53	329
13	368	208	300	e104	e71	e88	e840	984	271	193	63	248
14	293	225	312	e103	e69	e87	e1280	704	260	156	165	262
15	221	553	379	e102	e68	e93	2220	596	260	141	246	175
16	194	757	439	e100	e67	e98	3650	652	201	238	129	126
17	179	439	274	e99	e67	e100	4040	1220	166	192	91	121
18	183	372	237	e98	e66	e90	1780	834	141	141	122	112
19	181	318	247	e105	e66	e84	1030	617	409	151	211	93
20	157	433	231	e105	e72	e81	1190	497	279	153	128	83
21	281	388	220	e98	e206	e80	953	417	175	114	196	74
22	798	303	347	e96	e796	e83	717	368	330	135	395	67
23	424	284	267	e93	e675	e85	611	337	238	162	195	64
24	312	257	e158	e91	e397	e91	987	307	158	115	123	106
25	290	e118	e145	e89	e196	e120	1610	316	147	156	93	122
26	245	e91	e140	e87	e157	e150	1700	465	235	129	78	101
27	217	e91	e138	e85	e139	e130	2710	1190	185	94	72	88
28	211	e266	e135	e84	e125	e118	4750	687	468	91	65	83
29	207	921	e131	e530	---	e110	2300	481	529	135	58	96
30	190	454	e128	e980	---	e103	1320	448	279	101	53	159
31	182	---	e126	e940	---	e99	---	418	---	84	49	---
TOTAL	8249	10497	7639	5353	5645	3056	39876	28467	9331	7150	3534	3368
MEAN	266	350	246	173	202	98.6	1329	918	311	231	114	112
MAX	798	940	632	980	796	150	4750	2150	766	981	395	329
MIN	157	91	126	84	66	80	94	307	141	84	49	49
CFSM	1.75	2.30	1.62	1.14	1.33	.65	8.74	6.04	2.05	1.52	.75	.74
IN.	2.02	2.57	1.87	1.31	1.38	.75	9.76	6.97	2.28	1.75	.86	.82

e Estimated

01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	269	336	228	159	147	274	1073	939	311	158	140	152
MAX	869	733	739	533	783	853	1591	2115	804	472	492	836
(WY)	1991	1964	1974	1973	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

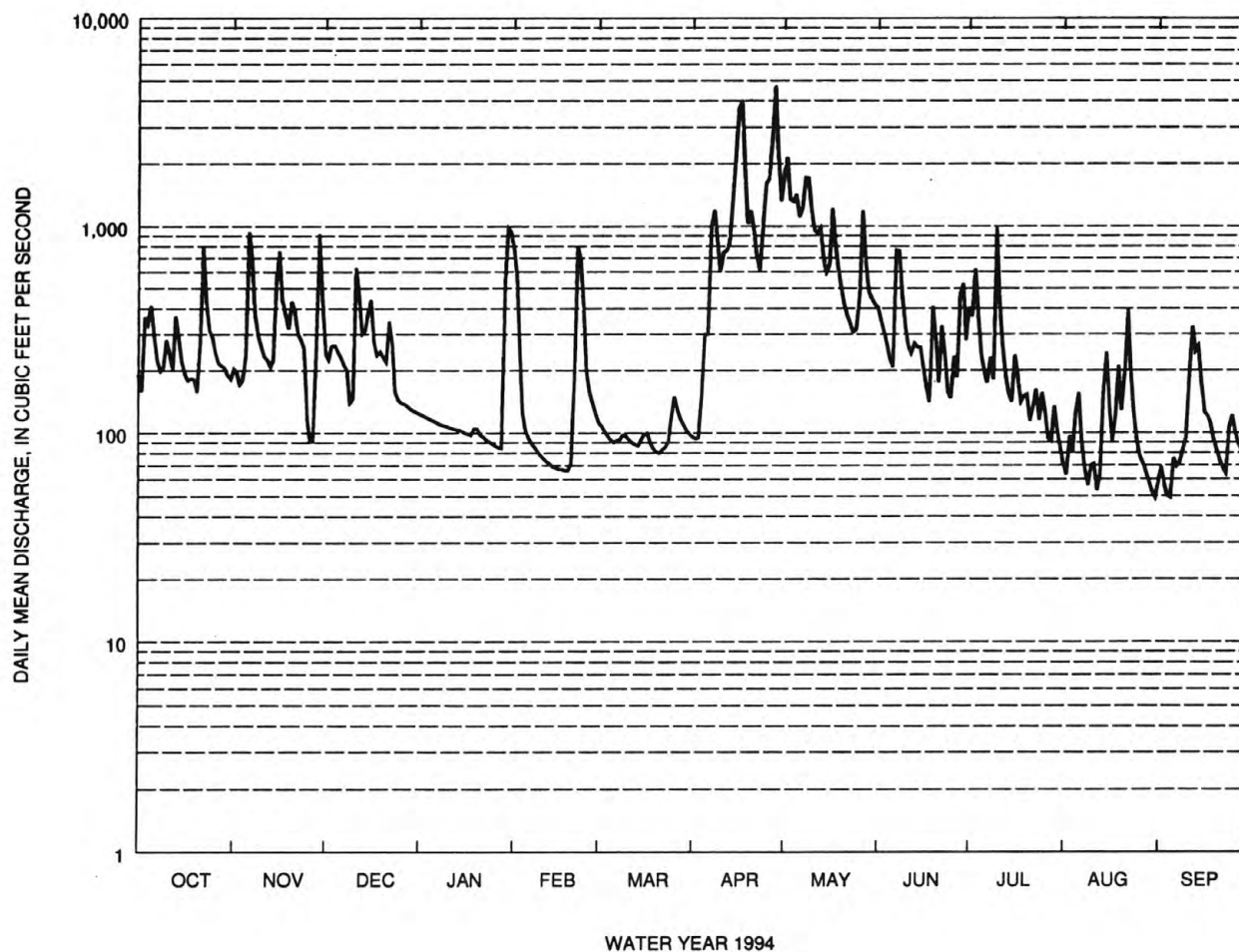
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1941 - 1994

ANNUAL TOTAL	116346	132165	
ANNUAL MEAN	319	362	349
HIGHEST ANNUAL MEAN			500
LOWEST ANNUAL MEAN			225
			1974
			1965
HIGHEST DAILY MEAN	3910	Apr 18	7380
LOWEST DAILY MEAN	34	Aug 31	6.8
ANNUAL SEVEN-DAY MINIMUM	47	Jul 14	9.0
			1943
			1949
			1952
INSTANTANEOUS PEAK FLOW		5150	8630
INSTANTANEOUS PEAK STAGE		8.33	12.23
INSTANTANEOUS LOW FLOW		46	6.8
			1943
			1981
			1949
ANNUAL RUNOFF (CFSM)	2.10	2.38	2.30
ANNUAL RUNOFF (INCHES)	28.47	32.35	31.23
10 PERCENT EXCEEDS	689	923	844
50 PERCENT EXCEEDS	179	192	157
90 PERCENT EXCEEDS	55	79	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 (Reservoirs in Androscoggin River Basin), 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, 8,780 ft³/s, Apr. 17, gage-height, 6.69 ft; minimum daily discharge, 1,160 ft³/s, Apr. 1-4.

**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	1810	1960	1360	1590	1780	2210	1160	4590	2710	1930	1760	1570
2	1780	1960	1360	1580	1860	2270	1160	4580	2780	1930	1630	1570
3	1830	1870	1360	1580	1930	2270	1160	3910	3080	1930	1550	1550
4	1790	1840	1360	1580	1960	2270	1160	2570	2750	2050	1560	1560
5	1810	1840	1340	1620	1960	2270	1170	2390	2380	2040	1690	1570
6	1810	1840	1360	1640	1960	2270	1170	2240	2220	2010	1790	1570
7	1750	1840	1360	1640	2000	2270	1170	2050	2220	1980	1800	1570
8	1820	1840	1360	1640	2050	2270	1170	2050	2390	2100	1790	1600
9	1790	1840	1360	1620	2120	2270	1180	2060	2660	2100	1790	1580
10	1820	1770	1360	1630	2110	2270	1180	2260	2530	2320	1770	1570
11	1830	1660	1360	1640	2060	2270	1190	2570	2050	2670	1760	1570
12	1820	1620	1360	1660	2050	2270	1190	2390	1880	2310	1750	1450
13	1810	1540	1360	1630	2050	2270	1190	2770	1880	1900	1750	1510
14	1810	1500	1360	1550	2060	2270	1210	3080	1880	1880	1760	1660
15	1810	1510	1370	1510	2050	2270	1900	2840	1880	1940	1760	1680
16	1830	1520	1370	1510	2100	2270	3820	2490	1880	1950	1760	1700
17	1830	1450	1370	1590	2140	2270	7380	2800	1880	1950	1750	1610
18	1830	1410	1360	1630	2160	2150	8510	3420	1770	1950	1750	1560
19	1830	1410	1370	1630	2160	2050	4430	4350	1730	1950	1750	1510
20	1830	1410	1370	1710	2160	2050	2860	4970	1860	1870	1750	1480
21	1840	1410	1380	1740	2160	1770	2860	4270	1970	1840	1740	1480
22	1840	1420	1340	1740	2160	1600	2770	3890	2080	1950	1750	1530
23	1840	1420	1380	1740	2150	1600	2460	3140	1980	1950	1750	1530
24	1840	1370	1380	1770	2150	1600	2480	2860	1920	1950	1750	1530
25	1840	1280	1380	1770	2150	1600	2480	2410	1920	1950	1750	1530
26	1840	1410	1380	1750	2150	1540	2750	2570	1920	1950	1740	1530
27	1920	1460	1380	1740	2150	1490	3350	3670	1890	1860	1730	1530
28	1960	1460	1530	1750	2150	1490	5840	4480	1930	1840	1720	1530
29	1960	1390	1600	1750	---	1490	6860	3960	1930	1820	1630	1510
30	1960	1360	1600	1750	---	1440	5050	3470	1930	1760	1580	1560
31	1960	---	1590	1750	---	1270	---	3290	---	1770	1580	---
TOTAL	57040	47610	43170	51430	57940	61670	82260	98390	63880	61400	53390	46700
MEAN	1840	1587	1393	1659	2069	1989	2742	3174	2129	1981	1722	1557
MAX	1960	1960	1600	1770	2160	2270	8510	4970	3080	2670	1800	1700
MIN	1750	1280	1340	1510	1780	1270	1160	2050	1730	1760	1550	1450

01053500 ANDROSCOGGIN RIVER AT ERROL, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1594	1535	1703	1782	1823	1820	2100	3088	2266	1745	1683	1697
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

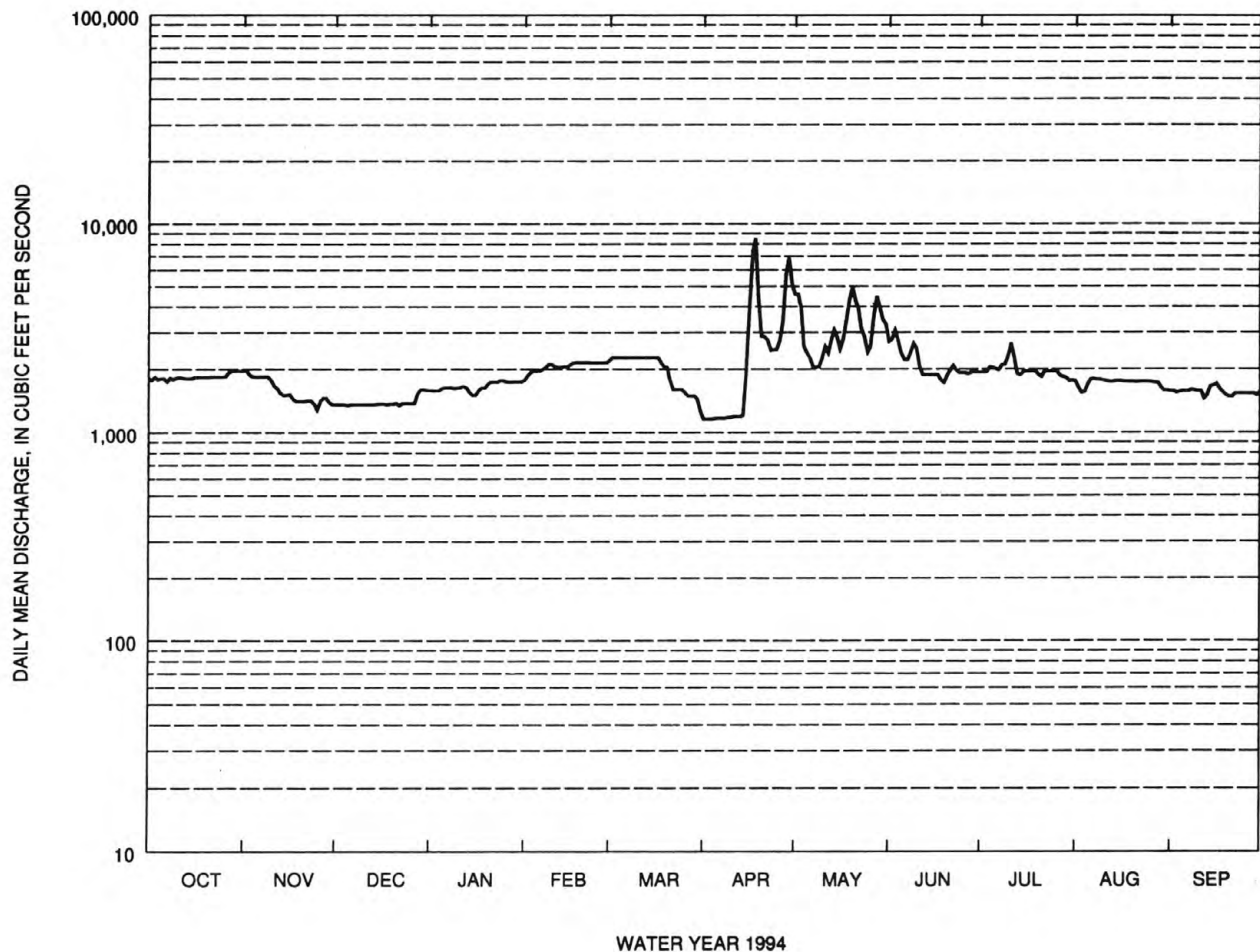
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1906 - 1994

ANNUAL TOTAL	661150		724880			
ANNUAL MEAN	1811		1986		1904	
HIGHEST ANNUAL MEAN					2923	1974
LOWEST ANNUAL MEAN					1046	1911
HIGHEST DAILY MEAN	6560	Apr 19	8510	Apr 18	16100	May 22 1969
LOWEST DAILY MEAN	1120	May 5	1160	Apr 1	.00	Oct 31 1917
ANNUAL SEVEN-DAY MINIMUM	1160	May 4	1160	Apr 1	152	Mar 21 1948
INSTANTANEOUS PEAK FLOW			8780	Apr 17	16500	May 22 1969
INSTANTANEOUS PEAK STAGE			6.69	Apr 17	9.40	May 22 1969
10 PERCENT EXCEEDS	2220		2660		2600	
50 PERCENT EXCEEDS	1720		1810		1690	
90 PERCENT EXCEEDS	1360		1370		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 water year 1918 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 (Reservoirs in Androscoggin River Basin), 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. 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 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, 12,400 ft³/s, Apr. 17, gage height, 8.18 ft; minimum daily discharge, 1,650 ft³/s, Apr. 2.

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

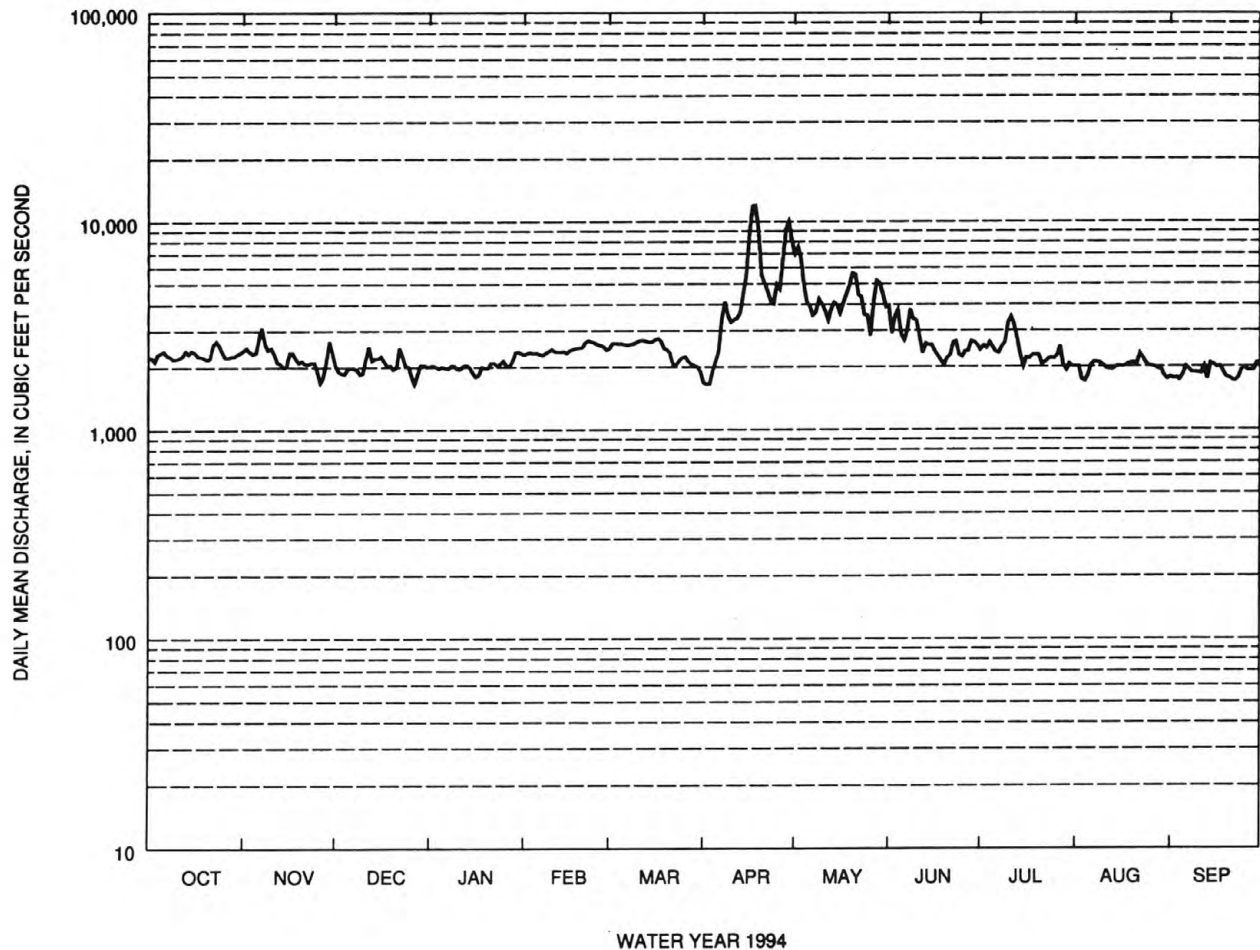
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2250	2430	2040	2030	2310	2470	1680	6980	3960	2420	2010	1790
2	2240	2490	1910	2050	2350	2610	1650	7550	2890	2540	2010	1760
3	2150	2400	1870	2010	2360	2610	1660	6630	3530	2470	1750	1770
4	2320	2340	1860	1970	2340	2590	1920	4920	3760	2630	1710	1730
5	2360	2360	1970	2010	2350	2590	2160	4070	2860	2500	1820	1830
6	2400	2770	1990	1990	2320	2570	2400	3890	2690	2370	2030	2000
7	2300	3120	1980	1970	2300	2560	3420	3540	3010	2350	2120	1940
8	2260	2610	1950	2050	2350	2580	4120	3680	3790	2520	2110	1880
9	2200	2440	1850	2040	2400	2590	3570	4240	3390	2620	2090	1880
10	2210	2490	1870	1960	2450	2640	3280	4000	3380	3280	2040	1870
11	2240	2320	2230	1960	2390	2690	3370	3720	2800	3490	1960	1860
12	2280	2120	2520	2050	2380	2700	3420	3350	2340	3220	1950	2010
13	2410	2090	2160	2060	2380	2670	3660	3800	2590	2730	1940	1750
14	2340	2010	2210	2000	2390	2640	4510	4080	2550	2270	1980	2080
15	2410	2020	2220	1890	2350	2640	5460	3960	2560	2010	2020	2050
16	2370	2360	2270	1800	2420	2720	8710	3620	2380	2230	2000	1990
17	2270	2360	2150	1840	2450	2750	11900	4080	2280	2210	2010	2010
18	2260	2210	2030	2010	2470	2680	12000	4460	2150	2290	2060	1900
19	2240	2110	2050	1980	2480	2460	9290	4970	2050	2300	2080	1790
20	2190	2160	1960	1990	2500	2430	5570	5640	2220	2290	2100	1770
21	2220	2090	2000	2100	2620	2350	5050	5570	2290	2070	2060	1720
22	2570	2080	2490	2100	2690	2050	4630	4440	2620	2100	2320	1710
23	2670	2110	2300	2040	2650	2060	4120	4350	2660	2180	2200	1770
24	2570	2120	2040	2090	2630	2150	4040	3570	2290	2220	2090	1930
25	2390	1920	2010	2150	2580	2230	4980	3530	2250	2200	2020	1990
26	2240	1690	1810	2050	2550	2250	4740	2820	2390	2280	2010	1920
27	2240	1800	1660	2030	2520	2130	6550	4160	2390	2530	1990	1920
28	2270	2130	1850	2130	2420	2070	9220	5180	2670	2040	1950	1930
29	2270	2680	2060	2360	---	2030	10000	5060	2640	1930	1930	2090
30	2340	2340	2060	2380	---	2000	8030	4500	2540	2070	1810	2070
31	2360	---	2010	2340	---	1900	---	3870	---	2010	1750	---
TOTAL	71840	68170	63380	63430	68400	75410	155110	138230	81920	74370	61920	56710
MEAN	2317	2272	2045	2046	2443	2433	5170	4459	2731	2399	1997	1890
MAX	2670	3120	2520	2380	2690	2750	12000	7550	3960	3490	2320	2090
MIN	2150	1690	1660	1800	2300	1900	1650	2820	2050	1930	1710	1710

01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2051	2079	2139	2124	2118	2439	3898	4279	2796	2032	1933	1984
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	1514	1406
(WY)	1942	1922	1953	1953	1922	1922	1965	1941	1915	1980	1980	1941

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1914 - 1994	
ANNUAL TOTAL	891390		978890			
ANNUAL MEAN	2442		2682		2495	
HIGHEST ANNUAL MEAN					3675	
LOWEST ANNUAL MEAN					1689	
HIGHEST DAILY MEAN	10900		12000		20000	
LOWEST DAILY MEAN	1550		1650		795	
ANNUAL SEVEN-DAY MINIMUM	1630		1780		866	
INSTANTANEOUS PEAK FLOW			12400		Apr 17	
INSTANTANEOUS PEAK STAGE			8.18		Apr 17	
10 PERCENT EXCEEDS	2730		4020		3650	
50 PERCENT EXCEEDS	2150		2290		2000	
90 PERCENT EXCEEDS	1750		1900		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.--1959 (discharge measurement only), 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.--Estimated daily discharges: Dec. 24 to Apr. 7. Records fair, including period of ice effect, Dec. 24 to Apr. 7. 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 and 4, 1991.

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)
Nov. 28	1830	*7,380	*9.70	Apr. 16	1730	3,360	7.28
Apr. 7	1645	6,700	9.32	May 8	1530	2,650	6.72

Minimum discharge, 10 ft³/s, Sept. 22, gage height, 2.91 ft.

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	27	52	215	e78	e200	e62	e255	753	110	53	29	14
2	24	48	182	e76	e100	e55	e334	601	100	45	31	16
3	29	38	180	e74	e70	e51	e297	390	95	41	26	13
4	34	37	147	e72	e64	e59	e703	356	84	33	23	11
5	38	56	156	e70	e60	e49	e634	418	75	28	26	16
6	35	262	154	e69	e56	e40	e703	450	98	26	29	107
7	28	156	132	e67	e54	e36	e3820	388	106	26	20	55
8	26	86	120	e66	e52	e44	2990	1170	90	50	17	33
9	23	68	102	e65	e51	e64	436	805	74	42	15	25
10	30	59	120	e64	e50	e59	317	508	62	57	15	21
11	30	53	638	e63	e49	e250	466	358	57	41	13	18
12	28	49	330	e62	e49	e140	406	433	60	28	11	19
13	105	47	199	e60	e48	e58	614	375	107	23	11	19
14	65	50	187	e59	e47	e38	1200	243	107	21	18	19
15	46	139	321	e59	e46	e78	1320	214	90	20	30	18
16	39	161	337	e58	e45	e225	1920	264	67	26	16	15
17	34	93	189	e58	e45	e168	1140	449	57	22	12	16
18	34	104	161	e58	e44	e117	612	300	51	20	51	14
19	33	97	153	e57	e110	e78	442	237	45	25	114	12
20	30	335	135	e57	e350	e55	542	208	39	27	47	11
21	36	158	197	e56	e900	e38	465	190	36	20	40	11
22	98	108	369	e56	e1080	e35	341	194	39	42	105	10
23	61	92	181	e56	e450	e180	307	193	32	52	51	28
24	47	82	e112	e56	e210	e900	493	167	28	29	32	864
25	41	64	e103	e55	e140	e1060	605	158	35	52	23	301
26	36	188	e97	e55	e112	e700	868	176	124	83	20	137
27	34	175	e93	e55	e90	e475	1280	307	67	76	18	94
28	35	2440	e88	e56	e74	e390	1200	180	113	57	16	360
29	32	1270	e85	e1790	---	e490	578	147	117	80	14	241
30	29	389	e82	e1200	---	e296	534	132	69	44	12	142
31	36	---	e80	e470	---	e211	---	119	---	40	11	---
TOTAL	1223	6956	5645	5197	4646	6501	25822	10883	2234	1229	896	2660
MEAN	39.5	232	182	168	166	210	861	351	74.5	39.6	28.9	88.7
MAX	105	2440	638	1790	1080	1060	3820	1170	124	83	114	864
MIN	23	37	80	55	44	35	255	119	28	20	11	10
CFSM	.57	3.33	2.62	2.41	2.38	3.01	12.4	5.04	1.07	.57	.42	1.27
IN.	.65	3.72	3.02	2.78	2.48	3.47	13.80	5.82	1.19	.66	.48	1.42

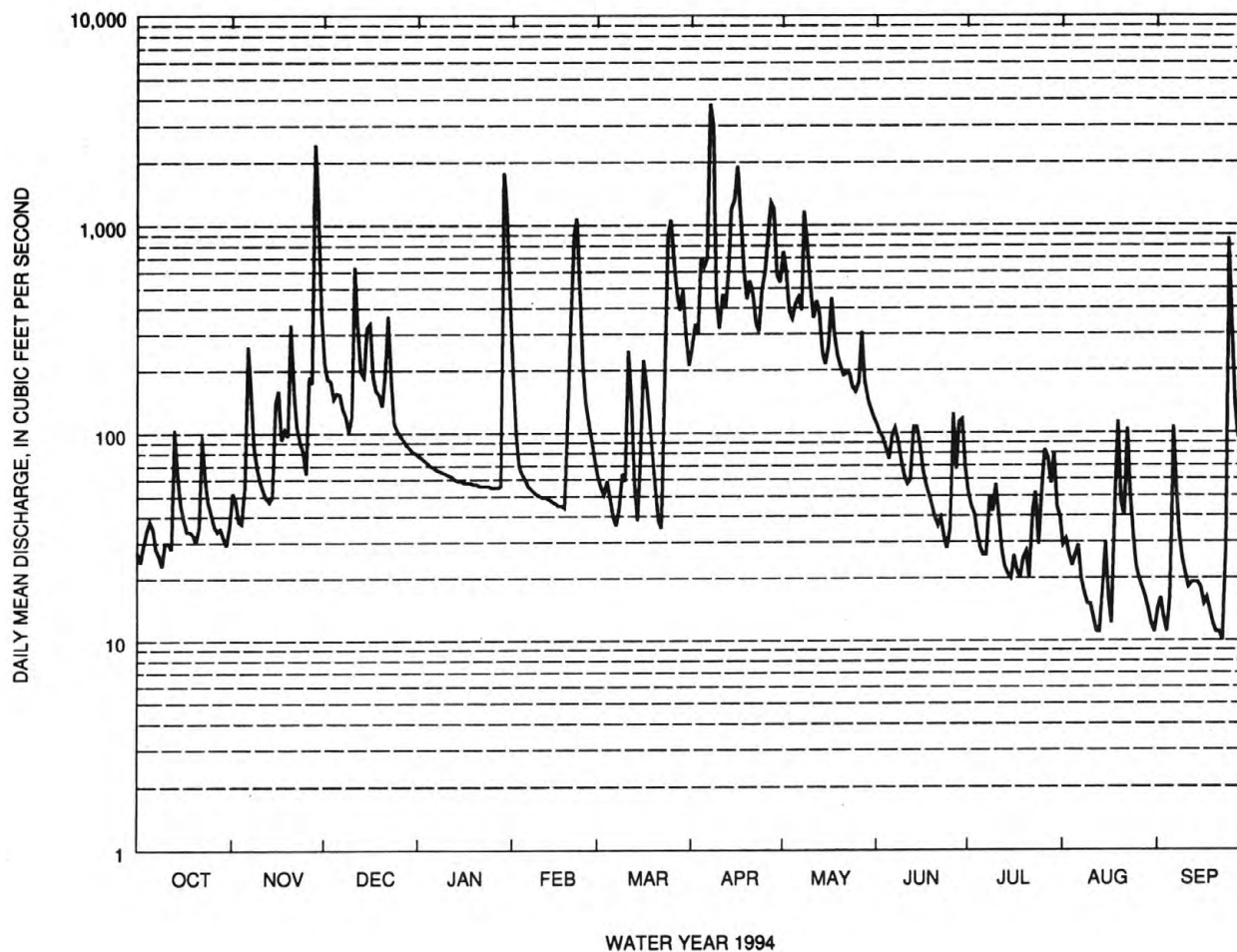
e Estimated

01054200 WILD RIVER AT GILEAD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	133	202	145	105	105	227	530	414	141	66.8	67.6	55.0
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	238	158	49.9	16.1	14.6	11.3
(WY)	1965	1979	1979	1981	1980	1967	1965	1993	1970	1991	1965	1978

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1964 - 1994	
ANNUAL TOTAL	56492		73892		183	
ANNUAL MEAN	155		202		261	
HIGHEST ANNUAL MEAN					72.9	
LOWEST ANNUAL MEAN					1973	
HIGHEST DAILY MEAN	4200	Apr 17	3820	Apr 7	7240	Mar 31 1987
LOWEST DAILY MEAN	12	Aug 31	10	Sep 22	7.1	Aug 3 1991
ANNUAL SEVEN-DAY MINIMUM	14	Aug 29	13	Sep 16	8.5	Aug 5 1964
INSTANTANEOUS PEAK FLOW			7380	Nov 28	13600	Mar 31 1987
INSTANTANEOUS PEAK STAGE			9.70	Nov 28	13.03	Mar 31 1987
INSTANTANEOUS LOW FLOW			10	Sep 22	6.8	Aug 3 1991
ANNUAL RUNOFF (CFSM)	2.22		2.91		2.63	
ANNUAL RUNOFF (INCHES)	30.19		39.49		35.71	
10 PERCENT EXCEEDS	317		481		410	
50 PERCENT EXCEEDS	41		67		74	
90 PERCENT EXCEEDS	18		21		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 1993 TO SEPTEMBER 1994

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)
NOV												
02...	1045	48	21	6.6	0.0	1.0	0.40	752	14.2	101	K 2	K 3
FEB												
03...	1330	E 70	21	6.4	-7.0	0.0	0.30	740	14.2	100	--	--
APR												
21...	1300	441	16	6.0	4.5	3.5	0.30	744	13.5	104	--	--
JUL												
28...	0925	45	18	6.7	17.0	19.5	0.30	742	9.0	101	24	22
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)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	CHLO- SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	FLUO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV												
02...		6	1.4	0.54	1.3	0.40	4	0	3	4.5	0.60	0.10
FEB												
03...		6	1.4	0.49	1.2	0.40	3	0	2	4.7	0.80	<0.10
APR												
21...		4	1.1	0.35	0.80	0.20	1	0	1	3.7	0.50	<0.10
JUL												
28...		5	1.2	0.43	1.1	0.30	3	0	2	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.

[illegible]

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, Azischohos, and Umbagog Lakes, (Reservoirs in Androscoggin River Basin), 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, 27,000 ft³/s, Apr. 17, gage height 12.49 ft; minimum daily discharge, 1,520 ft³/s, Sept. 1.

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

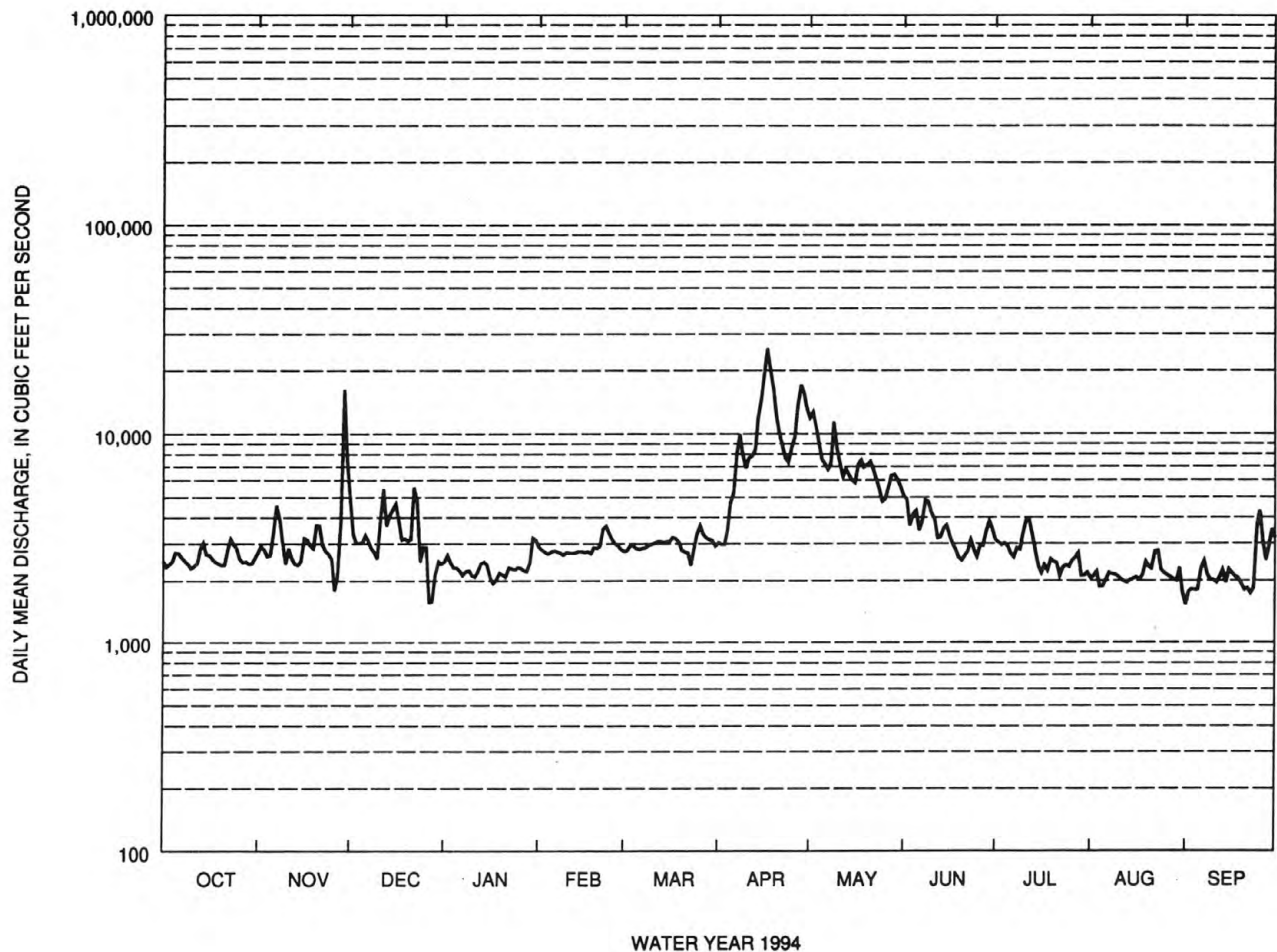
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2480	2750	4830	2460	2890	2760	3030	11900	5040	3130	2060	1520
2	2330	2920	3350	2640	2800	2790	2980	12700	4900	3040	2110	1760
3	2390	2810	3030	2430	2740	2950	2980	11100	3650	2960	2220	1810
4	2480	2620	3020	2310	2680	2930	3510	9210	4130	3010	1860	1790
5	2730	2640	3040	2310	2750	2850	4710	7550	4320	2920	1870	1800
6	2710	3440	3300	2230	2780	2810	5250	7210	3470	2700	2020	2280
7	2580	4580	3110	2130	2750	2860	8140	6770	3820	2590	2180	2480
8	2490	3940	2860	2220	2710	2870	9940	7220	4810	2860	2150	2150
9	2410	3040	2730	2240	2660	2950	7990	11400	4760	2810	2140	2030
10	2290	2400	2550	2120	2730	2990	6870	8610	4200	3370	2110	2010
11	2340	2860	4060	2090	2710	3010	7680	7210	3920	3910	2040	1960
12	2410	2580	5490	2230	2710	3080	7850	6250	3190	3910	1980	2080
13	2850	2400	3650	2410	2720	3080	8430	6790	3220	3320	1950	2250
14	3030	2370	4100	2460	2760	3040	11700	6350	3570	2800	2020	1950
15	2670	2490	4370	2370	2760	3080	14600	6010	3680	2340	2040	2270
16	2660	3190	4650	2060	2730	3080	19500	5870	3250	2180	2080	2170
17	2550	3140	3880	1940	2760	3220	25600	7140	2980	2370	2020	2090
18	2460	2950	3140	2030	2700	3170	20200	7510	2790	2230	2130	2060
19	2410	2860	3170	2180	2870	3060	16500	6940	2570	2530	2470	1930
20	2370	3680	3110	2140	2860	2800	12100	7100	2500	2470	2330	1800
21	2370	3660	3150	2090	2920	2750	10000	7380	2660	2430	2290	1830
22	2810	2970	5560	2310	3540	2710	8700	6780	2760	2110	2760	1730
23	3170	2770	4810	2280	3640	2360	7650	6100	3130	2320	2780	1830
24	2990	2690	2460	2260	3380	2870	7350	5450	2790	2360	2270	3650
25	2840	2520	2890	2320	3140	3350	8620	4770	2600	2330	2180	4300
26	2550	1780	2890	2300	3000	3670	9690	4940	2960	2500	2130	3000
27	2450	2120	1560	2240	2930	3340	13700	5630	2940	2570	2090	2500
28	2470	3910	1570	2220	2810	3200	17100	6330	3420	2720	2030	2890
29	2400	16300	2140	2430	---	3140	15700	6410	3850	2120	2000	3520
30	2410	7520	2470	3190	---	3120	13300	5990	3500	2120	2320	3200
31	2570	---	2400	3120	---	2930	---	5590	---	2190	1760	---
TOTAL	79670	105900	103340	71760	80430	92820	311370	226210	105380	83220	66390	68640
MEAN	2570	3530	3334	2315	2872	2994	10380	7297	3513	2685	2142	2288
MAX	3170	16300	5560	3190	3640	3670	25600	12700	5040	3910	2780	4300
MIN	2290	1780	1560	1940	2660	2360	2980	4770	2500	2110	1760	1520

01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1900 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2789	3340	3024	2700	2626	3884	8098	7332	3925	2535	2324	2385
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	3407	2550	1795	1384	1451	1393
(WY)	1911	1909	1909	1909	1911	1911	1965	1941	1911	1911	1911	1908

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1900 - 1994	
ANNUAL TOTAL	1336060		1395130		3748	
ANNUAL MEAN	3660		3822		5515	
HIGHEST ANNUAL MEAN					2000	
LOWEST ANNUAL MEAN					1974	
HIGHEST DAILY MEAN	35400	Apr 18	25600	Apr 17	68300	Mar 19 1936
LOWEST DAILY MEAN	1510	Aug 22	1520	Sep 1	625	Mar 27 1911
ANNUAL SEVEN-DAY MINIMUM	1690	Aug 18	1820	Aug 31	645	Mar 21 1911
INSTANTANEOUS PEAK FLOW			27000	Apr 17	74000	Mar 20 1936
INSTANTANEOUS PEAK STAGE			12.49	Apr 17		
10 PERCENT EXCEEDS	5120		7210		7130	
50 PERCENT EXCEEDS	2600		2810		2600	
90 PERCENT EXCEEDS	1900		2090		1780	



ANDROSCOGGIN RIVER BASIN

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.--Estimated daily discharges: Nov. 25-26, Dec. 9-10, Dec. 23 to Feb. 22, Apr. 8-10, June 15-21, and Aug. 27 to Sept. 13. Records good except for periods of ice effect, Nov. 25-26, Dec. 9-10, Dec. 23 to Feb. 22, and Apr. 8-10, and periods of no gage-height record, June 15-21 and Aug. 27 to Sept. 13, which are poor. 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, 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)
Nov. 28	2215	4,760	7.11	Apr. 27	2115	3,650	6.38
Apr. 16	1900	*5,860	*7.75	May 8	1730	2,470	5.48

Minimum discharge, 7.3 ft³/s, Aug. 30, gage height, 0.98 ft.

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	33	66	227	e63	e44	65	99	1070	149	509	18	e12
2	27	64	172	e60	e40	61	101	946	139	192	22	e13
3	45	52	177	e56	e39	57	105	638	123	166	27	e10
4	58	55	162	e54	e38	57	197	613	108	107	21	e9.7
5	54	91	163	e51	e38	54	235	692	93	75	21	e17
6	46	345	162	e49	e37	50	322	717	92	64	24	e82
7	36	228	138	e47	e37	48	808	670	577	65	18	e52
8	31	122	123	e46	e36	49	e685	1270	310	167	14	e48
9	29	91	e98	e44	e36	51	e429	1020	182	173	11	e44
10	36	81	e108	e43	e35	52	e342	650	132	282	23	e85
11	38	71	832	e42	e35	55	470	465	106	157	25	e62
12	33	68	473	e41	e34	52	506	558	115	90	15	e49
13	124	60	256	e40	e34	51	631	648	156	68	13	e40
14	86	63	248	e39	e34	52	1210	375	197	54	17	54
15	57	173	461	e38	e33	60	1820	301	e167	47	20	44
16	46	240	376	e38	e33	88	3000	359	e120	62	17	30
17	41	141	217	e38	e33	83	2080	764	e87	50	12	27
18	41	121	173	e39	e32	66	885	458	e84	41	17	23
19	45	108	165	e42	e32	59	550	341	e82	77	38	18
20	39	311	152	e37	e38	54	529	278	e67	67	28	16
21	83	198	274	e36	e140	52	533	241	e67	43	35	14
22	256	135	572	e36	e600	57	416	223	103	36	99	12
23	115	115	e236	e36	253	72	369	212	77	36	44	15
24	79	102	e125	e35	123	108	592	187	55	36	26	256
25	65	e49	e108	e35	100	145	729	181	53	33	18	204
26	54	e67	e95	e34	81	164	744	223	135	33	14	102
27	49	82	e87	e33	70	130	1500	540	93	29	e12	65
28	48	1190	e80	e41	69	102	1920	293	313	26	e10	107
29	46	1600	e74	e54	---	102	865	212	228	33	e9.0	174
30	43	435	e70	e83	---	93	609	192	129	27	e8.0	122
31	46	---	e66	e51	---	92	---	173	---	22	e9.7	---
TOTAL	1829	6524	6670	1381	2154	2281	23281	15510	4339	2867	685.7	1806.7
MEAN	59.0	217	215	44.5	76.9	73.6	776	500	145	92.5	22.1	60.2
MAX	256	1600	832	83	600	164	3000	1270	577	509	99	256
MIN	27	49	66	33	32	48	99	173	53	22	8.0	9.7
CFSM	.61	2.24	2.22	.46	.79	.76	8.01	5.16	1.49	.95	.23	.62
IN.	.70	2.50	2.56	.53	.83	.88	8.94	5.95	1.67	1.10	.26	.69

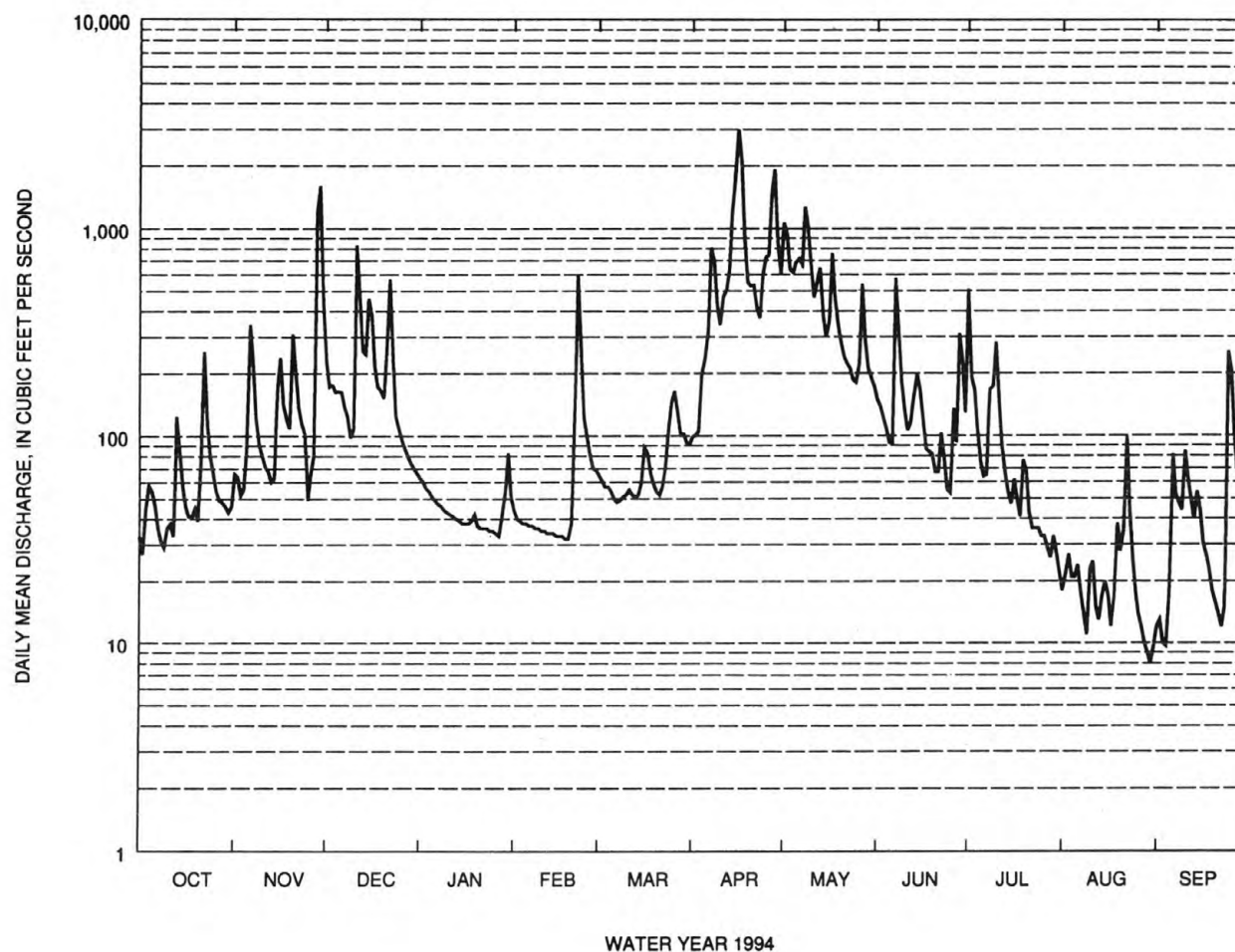
e Estimated

01055000 SWIFT RIVER NEAR ROXBURY, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	143	208	152	102	90.9	195	625	494	169	79.2	62.5	72.7
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	282	111	42.4	18.1	12.7	6.10
(WY)	1948	1979	1930	1948	1980	1967	1965	1941	1941	1952	1949	1948

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1930 - 1994	
ANNUAL TOTAL	67757.7		69328.4			
ANNUAL MEAN	186		190		200	
HIGHEST ANNUAL MEAN					296	
LOWEST ANNUAL MEAN					103	
					1974	
HIGHEST DAILY MEAN	6030		3000		9120	
LOWEST DAILY MEAN	6.8		8.0		3.8	
ANNUAL SEVEN-DAY MINIMUM	12		10		4.3	
					1948	
INSTANTANEOUS PEAK FLOW			5860		16800	
INSTANTANEOUS PEAK STAGE			7.75		12.87	
INSTANTANEOUS LOW FLOW			7.3		3.8	
					1959	
ANNUAL RUNOFF (CFSM)	1.92		1.96		2.06	
ANNUAL RUNOFF (INCHES)	26.01		26.62		27.99	
10 PERCENT EXCEEDS	378		536		490	
50 PERCENT EXCEEDS	53		70		82	
90 PERCENT EXCEEDS	17		26		22	



01055100 ANDROSCOGGIN RIVER AT JAY, ME

LOCATION.--Lat 44°30'06", long 70°13'32", Androscoggin County, Hydrologic Unit 01040002, on right bank 800 ft above Jay Dam, and 1.5 mi below end of Bean Island at mouth of Sevenmile Stream.

DRAINAGE AREA.--2,488 mi².

PERIOD OF RECORD.--October 1993 to September 1994.

PERIOD OF DAILY RECORD.--October 1993 to September 1994.

SPECIFIC CONDUCTANCE: October 1993 to September 1994.

WATER TEMPERATURE: October 1993 to September 1994.

DISSOLVED OXYGEN: October 1993 to September 1994.

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 CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 191 μ S/cm, Sept. 23; minimum, 27 μ S/cm, Apr. 17-21.

WATER TEMPERATURE: Maximum, 27.5°C, July 22-25; minimum, 0.5°C, on many days Dec. to Mar.

DISSOLVED OXYGEN: Maximum, 15.3 mg/L, Feb. 24; minimum, 4.4 mg/L, Aug. 18.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	110	88	98	98	84	89	65	56	61	147	134	142
2	111	96	102	94	85	89	79	64	71	149	133	140
3	112	99	107	94	87	90	85	76	81	162	134	146
4	115	101	111	110	82	93	89	75	82	161	148	154
5	111	92	103	98	80	85	93	80	86	158	146	152
6	106	59	82	91	82	86	85	79	82	153	138	144
7	113	56	87	84	70	78	127	77	90	146	136	140
8	122	62	102	72	69	70	117	80	92	155	141	146
9	122	64	103	91	70	79	112	82	101	158	146	151
10	124	92	111	120	90	102	113	105	108	165	141	153
11	140	63	111	110	98	103	112	74	93	148	137	141
12	124	73	99	116	100	108	74	58	64	153	141	145
13	113	62	73	124	107	117	80	58	70	155	141	147
14	113	49	66	129	115	122	78	69	73	158	148	154
15	90	51	71	131	113	123	79	72	75	158	145	151
16	94	54	67	127	89	103	76	70	73	163	147	151
17	106	61	79	160	98	126	96	73	80	157	145	150
18	111	70	80	136	84	105	115	85	103	166	150	156
19	103	70	82	136	84	103	120	105	112	154	149	151
20	80	69	73	101	83	91	128	110	118	183	141	148
21	87	77	82	89	72	80	131	97	116	144	135	140
22	114	76	87	93	70	82	98	60	80	138	130	134
23	85	71	77	101	72	88	65	60	63	140	129	132
24	84	68	75	99	78	94	102	65	83	143	130	135
25	79	71	75	116	92	105	115	100	106	147	136	141
26	100	75	84	113	98	105	116	96	105	149	140	145
27	119	84	94	119	101	109	123	111	117	146	135	141
28	114	85	95	135	100	122	183	115	132	148	138	142
29	98	88	93	101	47	64	152	115	130	144	132	139
30	106	91	96	58	49	54	153	135	147	137	116	130
31	106	90	95	---	---	---	143	132	137	126	115	120
MONTH	140	49	89	160	47	95	183	56	95	183	115	144

01055100 ANDROSCOGGIN RIVER AT JAY, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	14.0	13.5	13.5	7.0	6.0	6.5	3.0	1.5	2.0	.5	.5	.5
2	14.0	12.5	13.0	6.0	5.0	5.5	1.5	1.0	1.5	.5	.5	.5
3	14.0	13.5	13.5	5.0	4.5	5.0	2.0	1.0	1.5	.5	.5	.5
4	14.0	12.5	13.0	5.5	4.5	5.0	2.0	1.5	1.5	.5	.5	.5
5	13.0	12.5	12.5	5.5	5.0	5.0	2.5	1.5	2.0	.5	.5	.5
6	12.5	11.0	11.5	6.0	5.5	5.5	2.5	2.0	2.5	.5	.5	.5
7	12.0	10.5	11.0	6.0	5.0	5.5	3.0	2.0	2.5	.5	.5	.5
8	12.0	11.0	11.5	5.0	4.5	5.0	3.0	2.0	2.5	.5	.5	.5
9	11.5	11.0	11.5	4.5	4.0	4.0	2.5	2.0	2.5	.5	.5	.5
10	11.5	11.0	11.5	4.5	4.0	4.0	2.5	2.0	2.5	.5	.5	.5
11	11.5	10.0	10.5	4.0	3.5	4.0	3.0	2.5	2.5	.5	.5	.5
12	10.0	9.5	10.0	4.5	3.5	4.0	2.5	1.0	1.5	.5	.5	.5
13	10.0	8.5	9.0	4.0	3.5	4.0	1.0	.5	1.0	.5	.5	.5
14	---	---	---	4.5	3.5	4.0	1.5	.5	1.0	.5	.5	.5
15	---	---	---	5.0	4.5	4.5	2.0	1.5	2.0	.5	.5	.5
16	9.5	8.0	8.5	5.0	4.5	5.0	2.0	1.5	1.5	.5	.5	.5
17	10.0	8.5	9.0	5.5	5.0	5.0	1.5	1.0	1.5	.5	.5	.5
18	10.0	9.5	10.0	6.0	5.0	5.5	1.5	1.0	1.0	.5	.5	.5
19	10.5	10.0	10.0	5.0	4.0	5.0	1.0	1.0	1.0	.5	.5	.5
20	10.0	9.5	9.5	4.5	4.0	4.5	1.5	1.0	1.0	1.0	.5	.5
21	10.0	9.5	9.5	4.0	3.0	3.0	1.5	1.0	1.5	.5	.5	.5
22	10.0	9.0	9.0	3.0	3.0	3.0	1.5	1.0	1.5	.5	.5	.5
23	9.0	8.5	9.0	3.5	2.5	3.0	1.0	.5	1.0	.5	.5	.5
24	8.5	8.0	8.0	3.0	2.5	3.0	.5	.5	.5	.5	.5	.5
25	8.5	8.0	8.0	2.5	2.0	2.5	.5	.5	.5	.5	.5	.5
26	8.0	7.5	7.5	2.0	1.5	1.5	.5	.5	.5	.5	.5	.5
27	7.5	7.0	7.0	1.5	1.0	1.5	.5	.5	.5	.5	.5	.5
28	7.5	7.0	7.0	3.0	1.5	2.0	1.0	.5	.5	.5	.5	.5
29	7.0	6.5	7.0	4.0	2.5	3.5	.5	.5	.5	.5	.5	.5
30	7.0	6.5	6.5	4.0	3.0	3.5	.5	.5	.5	.5	.5	.5
31	7.0	6.5	6.5	---	---	---	.5	.5	.5	.5	.5	.5
MONTH	14.0	6.5	10.0	7.0	1.0	4.0	3.0	.5	1.5	1.0	.5	.5

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

01055100 ANDROSCOGGIN RIVER AT JAY, ME--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	17.5	16.0	16.5	23.0	22.0	22.5	---	---	---	20.5	19.5	20.0
2	17.5	16.5	16.5	23.5	22.5	23.0	26.0	25.0	25.5	19.5	18.5	19.0
3	16.5	15.5	16.0	24.5	23.0	24.0	26.0	25.5	25.5	19.0	18.0	18.5
4	16.5	15.5	16.0	24.5	23.5	24.0	26.0	25.0	25.5	18.5	17.5	18.0
5	18.0	16.5	17.0	25.0	23.5	24.0	26.0	25.0	25.5	18.0	16.5	17.5
6	18.5	18.0	18.0	25.0	23.5	24.0	25.0	23.5	24.5	16.5	16.0	16.5
7	19.0	18.5	18.5	25.5	24.0	24.5	24.0	22.5	23.0	17.0	16.0	16.5
8	19.5	18.0	18.5	26.0	24.0	25.0	24.0	23.0	23.0	17.5	16.5	17.0
9	18.0	17.5	18.0	25.5	23.5	25.0	24.0	22.5	23.5	17.5	17.0	17.0
10	18.0	17.5	18.0	24.0	23.0	23.5	24.0	23.5	24.0	17.5	17.0	17.0
11	18.5	18.0	18.5	24.5	23.5	24.0	24.0	23.5	23.5	17.0	16.5	17.0
12	19.0	18.0	18.5	24.5	23.5	24.5	23.5	23.0	23.0	17.5	16.5	17.0
13	20.0	18.0	19.0	25.0	24.0	24.5	23.5	23.0	23.0	17.5	17.0	17.0
14	20.5	19.5	20.5	25.5	24.0	24.5	23.0	22.5	23.0	18.0	17.0	17.5
15	22.0	20.5	21.5	25.0	24.0	24.5	22.5	22.0	22.5	18.5	17.5	18.0
16	23.0	22.0	22.5	24.5	23.5	24.0	22.5	21.5	22.0	18.5	17.5	18.0
17	25.0	23.0	24.0	25.0	23.5	24.0	22.0	21.5	21.5	18.5	18.0	18.5
18	26.5	23.5	25.5	24.5	23.0	23.5	22.0	21.5	21.5	18.5	18.5	18.5
19	27.0	25.5	26.0	24.5	23.0	23.5	21.5	21.5	21.5	18.5	17.5	18.0
20	26.5	25.0	26.0	25.5	24.0	24.5	23.0	21.5	22.0	17.5	17.0	17.0
21	25.0	24.0	24.5	26.5	24.0	25.5	23.0	22.5	22.5	18.0	17.0	17.5
22	24.0	22.5	23.0	27.5	25.5	26.5	23.0	22.0	22.5	18.5	18.0	18.0
23	23.5	22.5	23.0	27.5	26.5	27.0	22.0	21.0	21.5	18.5	17.5	18.0
24	23.0	22.0	22.5	27.5	26.5	27.0	22.0	21.0	21.5	17.5	16.5	17.0
25	22.5	21.5	22.0	27.5	26.5	27.0	22.0	20.5	21.0	16.5	15.5	16.0
26	21.5	20.5	21.0	---	---	---	22.0	21.0	21.5	15.5	15.5	15.5
27	22.5	21.0	22.0	---	---	---	22.5	22.0	22.5	16.5	15.5	16.0
28	23.0	21.5	22.0	---	---	---	23.0	22.5	22.5	17.0	16.5	16.5
29	22.5	22.0	22.0	---	---	---	23.0	22.5	23.0	17.5	17.0	17.0
30	22.0	22.0	22.0	---	---	---	23.0	22.0	22.5	17.0	15.0	16.5
31	---	---	---	---	---	---	22.0	20.5	21.0	---	---	---
MONTH	27.0	15.5	20.5	27.5	22.0	24.5	26.0	20.5	23.0	20.5	15.0	17.5
YEAR	27.5	.5	9.5									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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

ANDROSCOGGIN RIVER BASIN

01055100 ANDROSCOGGIN RIVER AT JAY, ME--Continued

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

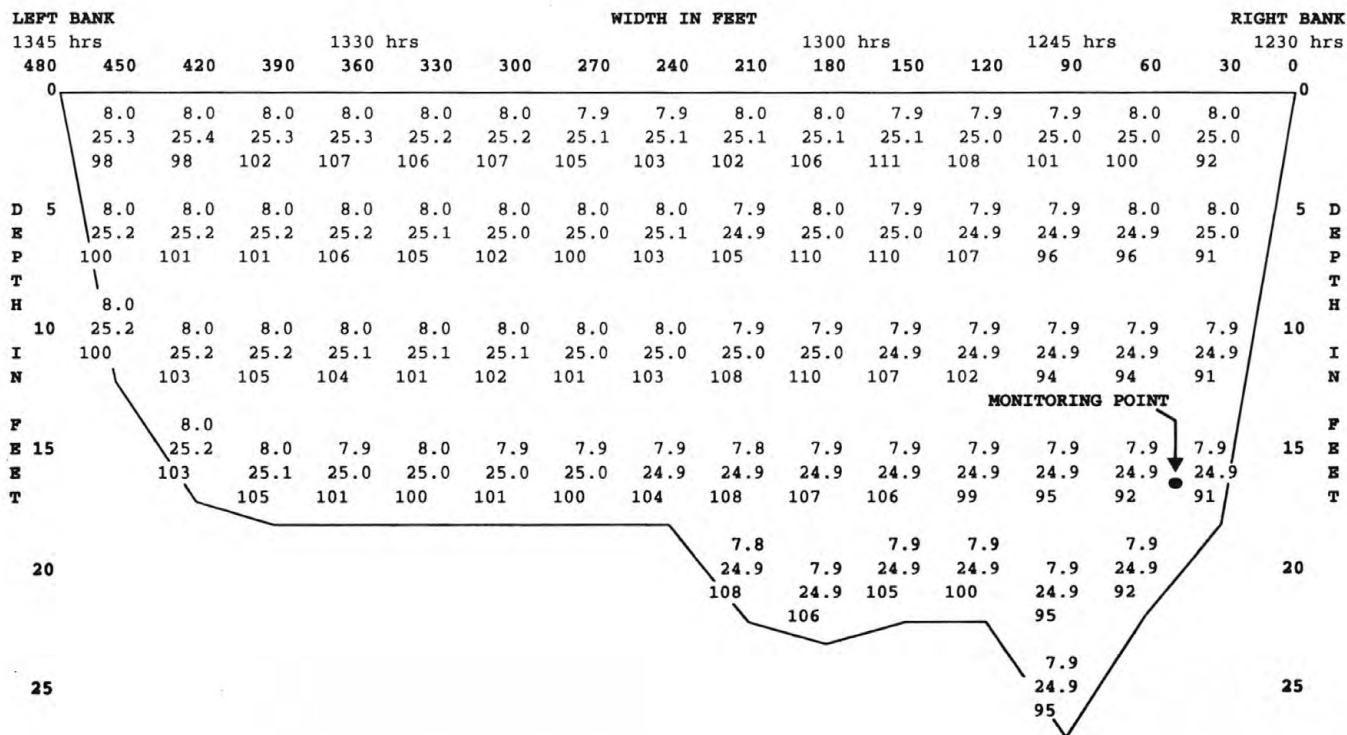
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	14.1	13.7	13.9	14.4	14.0	14.3	---	---	---	---	---	---
2	13.9	13.6	13.8	14.4	14.0	14.2	---	---	---	---	---	---
3	13.9	13.5	13.8	14.3	13.9	14.1	---	---	---	---	---	---
4	13.8	13.4	13.7	14.2	13.7	14.0	---	---	---	---	---	---
5	13.9	13.4	13.7	14.0	13.5	13.8	---	---	---	11.8	11.3	11.5
6	13.9	13.4	13.7	14.1	13.6	13.9	---	---	---	11.8	11.3	11.6
7	13.9	13.4	13.7	14.1	13.7	13.9	---	---	---	11.7	11.0	11.3
8	13.9	13.5	13.7	13.9	13.4	13.7	---	---	---	11.0	10.6	10.8
9	14.0	13.6	13.8	13.8	13.4	13.6	---	---	---	11.6	10.8	11.3
10	14.0	13.6	13.8	14.0	13.6	13.8	---	---	---	11.5	10.8	11.1
11	14.5	13.6	14.1	13.9	13.5	13.7	---	---	---	10.8	10.7	10.8
12	14.3	13.8	14.1	14.0	13.5	13.7	---	---	---	10.8	10.4	10.6
13	14.2	13.8	14.0	13.9	13.6	13.7	---	---	---	11.2	10.4	10.7
14	14.1	13.7	14.0	13.8	13.3	13.6	---	---	---	11.3	11.2	11.3
15	14.3	13.6	14.0	13.5	13.1	13.4	---	---	---	11.3	10.9	11.1
16	14.3	13.9	14.1	13.4	13.1	13.2	---	---	---	10.9	10.5	10.7
17	14.2	13.8	14.0	---	---	---	---	---	---	11.2	10.6	10.8
18	14.5	13.9	14.2	---	---	---	---	---	---	11.3	11.1	11.2
19	14.4	13.7	14.0	---	---	---	---	---	---	11.3	11.1	11.2
20	14.9	14.1	14.5	---	---	---	---	---	---	11.2	10.9	11.0
21	14.3	13.8	14.0	---	---	---	---	---	---	10.9	10.6	10.7
22	14.4	13.7	14.1	---	---	---	---	---	---	10.6	10.2	10.4
23	15.2	14.3	14.8	---	---	---	---	---	---	10.2	9.6	9.8
24	15.3	14.8	15.1	---	---	---	---	---	---	9.7	9.5	9.6
25	14.9	14.1	14.5	---	---	---	---	---	---	9.7	9.3	9.5
26	14.7	14.1	14.4	---	---	---	---	---	---	9.6	9.4	9.5
27	14.4	14.0	14.3	---	---	---	---	---	---	10.3	9.6	9.8
28	14.6	14.0	14.3	---	---	---	---	---	---	10.7	10.3	10.5
29	---	---	---	---	---	---	---	---	---	10.7	10.5	10.6
30	---	---	---	---	---	---	---	---	---	10.6	10.1	10.3
31	---	---	---	---	---	---	---	---	---	10.2	9.8	10.0
MONTH	15.3	13.4	14.1	14.4	13.1	13.8	---	---	---	11.8	9.3	10.7

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	9.9	9.0	9.3	7.9	7.5	7.8	---	---	---	7.9	4.9	6.5
2	9.0	8.7	8.9	8.1	7.6	7.9	7.5	5.0	6.6	7.9	6.1	7.1
3	9.3	9.0	9.2	8.2	7.6	7.9	7.4	5.4	6.6	8.3	6.9	7.6
4	9.4	9.2	9.3	8.2	7.4	7.8	7.3	5.1	6.3	8.5	6.4	7.7
5	9.3	9.0	9.2	8.0	7.3	7.6	7.1	5.0	6.0	8.7	7.0	7.8
6	9.1	8.5	8.9	7.8	6.9	7.4	7.1	4.7	6.3	9.1	8.1	8.7
7	8.7	8.3	8.6	7.7	6.7	7.3	7.4	5.0	6.5	9.4	8.0	8.7
8	8.6	8.3	8.5	7.5	7.0	7.2	7.8	5.9	7.0	9.4	8.1	8.9
9	8.9	8.6	8.8	7.5	6.8	7.1	7.7	5.8	7.0	9.2	7.1	8.3
10	8.9	8.8	8.9	7.2	6.8	7.0	7.7	6.2	7.1	9.3	7.1	8.5
11	9.0	8.6	8.8	7.4	6.6	7.0	7.9	6.0	7.0	9.4	7.6	8.7
12	8.8	8.0	8.6	7.7	7.3	7.5	7.9	5.6	6.8	9.9	8.1	9.2
13	8.4	7.9	8.2	7.5	7.2	7.4	7.5	5.8	6.5	10.1	7.7	9.2
14	8.7	7.9	8.4	7.6	7.1	7.3	7.2	5.6	6.7	10.1	6.7	8.8
15	8.5	8.0	8.3	7.5	6.9	7.2	7.4	5.3	6.4	9.8	6.9	8.5
16	8.4	7.9	8.2	7.5	6.4	7.1	7.1	5.3	6.3	9.6	7.3	8.7
17	8.3	7.6	8.0	7.6	6.7	7.1	7.2	4.8	6.2	9.3	7.1	8.6
18	8.1	7.0	7.7	7.6	6.7	7.2	7.4	4.4	6.2	8.8	7.8	8.4
19	7.8	7.0	7.4	7.2	5.9	6.5	7.7	5.6	6.7	9.1	8.0	8.5
20	7.5	6.5	7.0	7.5	6.2	7.0	8.0	6.6	7.4	9.3	6.3	8.5
21	7.5	6.5	7.1	7.7	6.0	7.0	8.0	6.9	7.5	9.1	7.7	8.4
22	7.9	6.8	7.3	6.8	5.6	6.1	7.8	7.1	7.5	9.1	7.4	8.3
23	7.9	7.3	7.7	---	---	---	8.0	7.2	7.6	8.8	7.1	8.3
24	8.0	7.3	7.6	---	---	---	8.6	7.2	7.7	9.2	8.4	8.8
25	7.6	7.3	7.4	---	---	---	8.5	7.1	7.9	9.7	8.4	9.3
26	7.7	7.2	7.5	---	---	---	8.5	7.0	7.8	9.9	9.3	9.6
27	8.1	7.5	7.8	---	---	---	8.5	7.0	7.8	9.8	9.0	9.4
28	7.9	7.3	7.6	---	---	---	8.0	5.5	7.1	9.3	8.3	8.7
29	7.8	7.3	7.7	---	---	---	7.6	5.4	6.9	9.1	8.3	8.6
30	8.0	7.6	7.8	---	---	---	8.1	5.4	7.0	9.5	8.3	9.0
31	---	---	---	---	---	---	8.1	6.0	7.5	---	---	---
MONTH YEAR	9.9 15.3	6.5 4.4	8.2 10.7	8.2	5.6	7.2	8.6	4.4	6.9	10.1	4.9	8.5

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 7, 1994



DAILY MEAN DISCHARGE

2,980 ft³/s

RECORDED HOURLY VALUES

	1200	1300	1400
DO	7.5	7.5	7.5
WT	24.8	24.9	25.1
SC	116	109	101

CROSS SECTION VALUES

	Max	Min	Mean
DO	8.0	7.8	7.9
WT	25.4	24.9	25.0
SC	111	91	102

RECORDED DAILY VALUES

	Max	Min	Mean
DO	7.7	6.7	7.3
WT	25.4	23.9	24.7
SC	140	94	119

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 upper 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.--Estimated daily discharges: Dec. 24 to Apr. 7. Records good except for period of ice effect, Dec. 24 to Apr. 7, 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, 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)
Dec. 22	1500	1,770	4.35	Apr. 17	1215	*2,850	*5.21
Apr. 8	0245	1,840	4.42				

Minimum discharge, 18 ft³/s, Sept. 20-22, gage height, 0.92 ft.

**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	27	101	514	e130	e282	e176	e497	557	217	89	55	23
2	27	156	338	e127	e232	e156	e529	550	199	89	48	23
3	36	150	291	e122	e191	e153	e780	483	179	85	43	22
4	47	127	242	e119	e164	e144	e953	415	160	72	46	21
5	52	124	307	e116	e149	e139	e1150	397	143	63	47	22
6	48	190	409	e114	e139	e134	e1380	459	134	57	49	27
7	44	212	358	e112	e129	e131	e1660	444	135	54	40	29
8	39	171	298	e111	e115	e188	1800	533	151	56	35	30
9	38	132	252	e110	e108	e236	1630	883	133	56	31	27
10	37	113	220	e109	e107	e263	1480	792	112	70	29	26
11	32	97	467	e107	e103	e291	1520	612	98	76	26	23
12	31	87	777	e105	e102	e283	1530	543	91	65	24	22
13	86	78	607	e103	e104	e263	1570	608	100	55	23	21
14	114	75	517	e102	e106	e245	2070	541	147	49	22	21
15	92	74	499	e101	e103	e240	2340	446	187	44	23	21
16	70	74	491	e100	e102	e258	2370	412	157	45	23	20
17	66	71	414	e100	e100	e265	2750	534	126	42	22	20
18	64	85	325	e104	e99	e253	2240	541	110	41	27	20
19	58	102	312	e115	e96	e231	1500	456	103	41	39	19
20	54	233	272	e110	e103	e207	1150	384	93	41	42	19
21	56	300	474	e105	e169	e180	940	332	83	39	43	18
22	78	237	1590	e100	e246	e203	806	293	78	36	83	18
23	87	190	1390	e98	e269	e257	700	262	72	35	85	22
24	80	160	e821	e97	e290	e558	618	239	65	38	65	182
25	71	129	e495	e97	e274	e581	571	235	64	37	54	340
26	63	104	e350	e95	e247	e578	630	283	86	39	44	254
27	60	101	e240	e91	e222	e549	921	423	93	60	37	175
28	61	152	e185	e108	e194	e514	925	444	99	58	32	147
29	57	712	e160	e173	---	e508	791	363	106	72	30	142
30	55	808	e145	e250	---	e483	631	310	95	68	26	123
31	63	---	e134	e310	---	e478	---	263	---	60	23	---
TOTAL	1793	5345	13894	3741	4545	9145	38432	14037	3616	1732	1216	1877
MEAN	57.8	178	448	121	162	295	1281	453	121	55.9	39.2	62.6
MAX	114	808	1590	310	290	581	2750	883	217	89	85	340
MIN	27	71	134	91	96	131	497	235	64	35	22	18
CFSM	.34	1.05	2.65	.71	.96	1.75	7.58	2.68	.71	.33	.23	.37
IN.	.39	1.18	3.06	.82	1.00	2.01	8.46	3.09	.80	.38	.27	.41

e Estimated

01055500 NEZINSCOT RIVER AT TURNER CENTER, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	165	307	302	206	221	489	979	449	224	111	82.4	83.5
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	19.6
(WY)	1948	1953	1979	1948	1980	1967	1981	1959	1964	1965	1970	1978

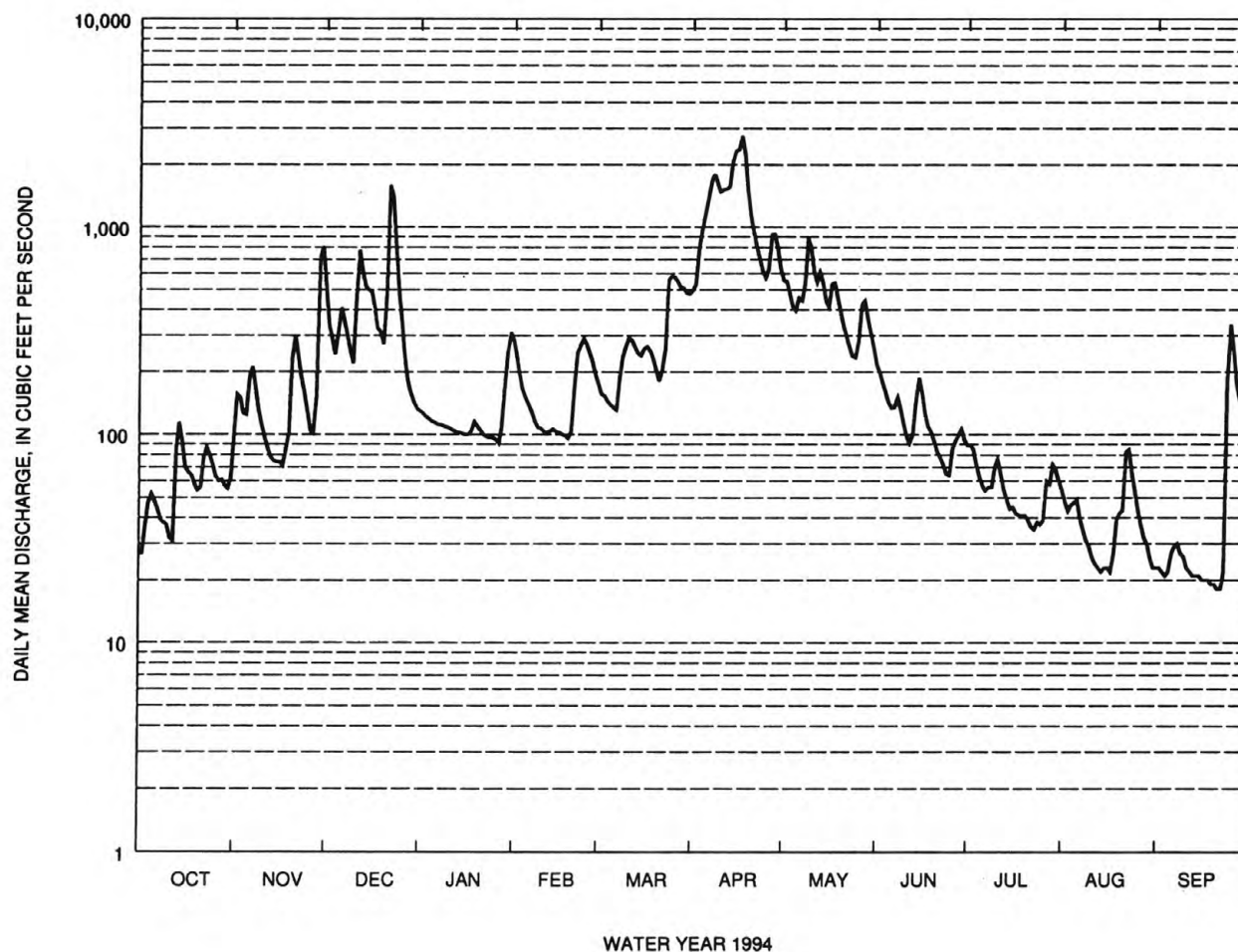
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1942 - 1994

ANNUAL TOTAL	92063	99373	
ANNUAL MEAN	252	272	301
HIGHEST ANNUAL MEAN			482
LOWEST ANNUAL MEAN			144
			1984
HIGHEST DAILY MEAN	5110	Apr 12	2750
LOWEST DAILY MEAN	18	Sep 15	18
ANNUAL SEVEN-DAY MINIMUM	18	Sep 15	19
			Sep 16
			6.6
			Aug 24 1956
INSTANTANEOUS PEAK FLOW			2850
INSTANTANEOUS PEAK STAGE			5.21
INSTANTANEOUS LOW FLOW			18
			Sep 20
			11.18
			5.6
			Aug 29 1956
ANNUAL RUNOFF (CFSM)	1.49	1.61	1.78
ANNUAL RUNOFF (INCHES)	20.26	21.87	24.20
10 PERCENT EXCEEDS	672	610	733
50 PERCENT EXCEEDS	74	116	146
90 PERCENT EXCEEDS	23	30	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 to September 1994. Continuous water temperature records were collected at this site at different monitoring points from May to September 1981.

SPECIFIC CONDUCTANCE: June to September 1994.

WATER TEMPERATURE: June to September 1994.

DISSOLVED OXYGEN: June to September 1994.

INSTRUMENTATION.--Water quality monitor since June 1994. In-situ monitor located at monitoring point 75 ft streamward from right bank and 1.5 ft above river bed.

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

SPECIFIC CONDUCTANCE: Maximum, 169 $\mu\text{S}/\text{cm}$, Sept. 13, 1994; minimum, 54 $\mu\text{S}/\text{cm}$, June 1, 1994.

WATER TEMPERATURE: Maximum, 27.5°C, July 25-27, 1994; minimum, 15.5°C, Sept. 7, 1994.

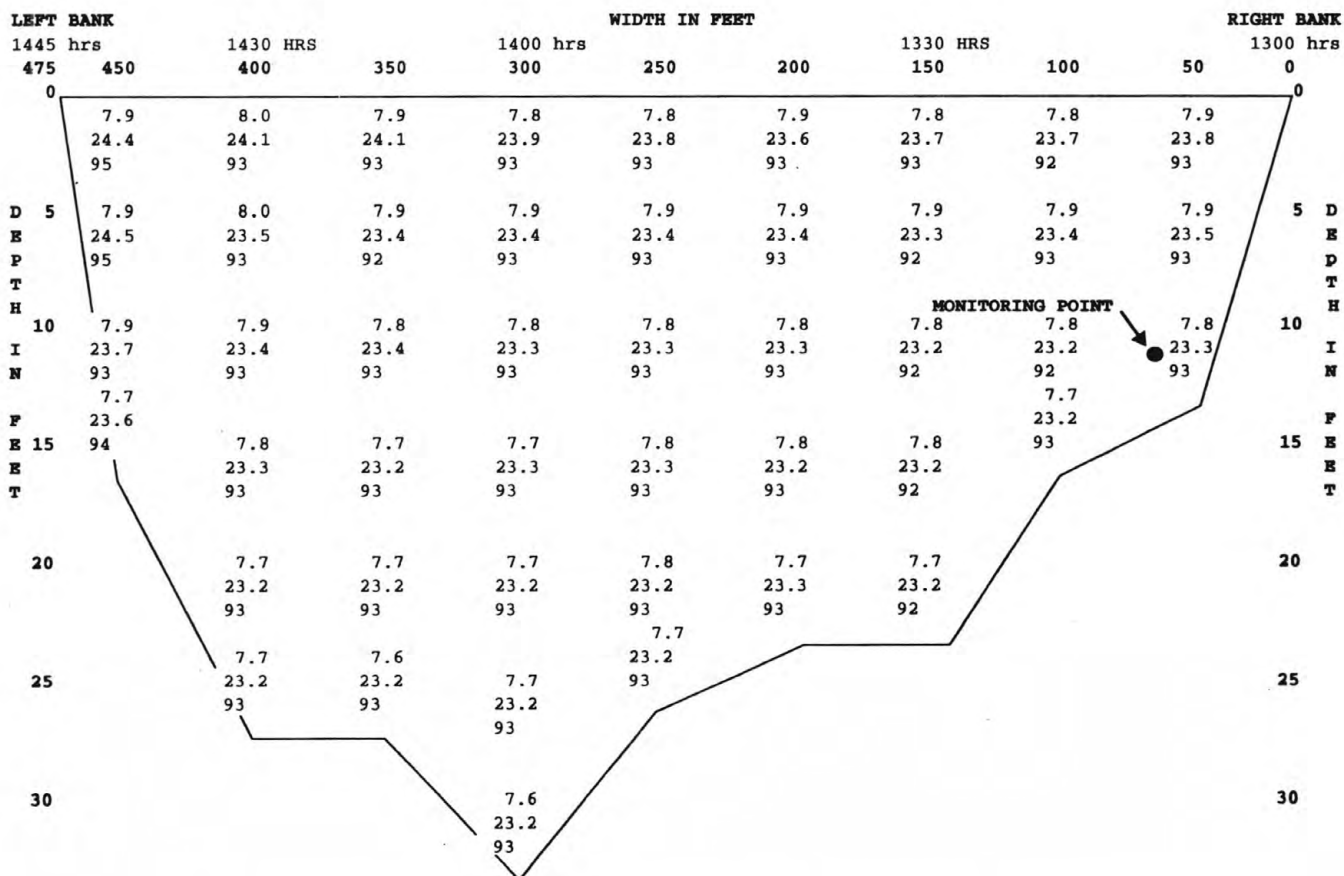
DISSOLVED OXYGEN: Maximum, 9.9 mg/L, June 1, 1994; minimum, 5.5 mg/L, Aug. 5, 1994.

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	59	54	56	90	87	88	113	108	110	136	126	130
2	63	59	61	89	87	88	117	108	111	142	136	140
3	66	63	64	92	89	92	120	113	117	142	138	140
4	70	66	67	92	90	91	120	112	116	147	140	145
5	79	70	75	95	90	92	124	115	119	147	144	145
6	80	77	78	100	95	98	119	113	116	148	146	147
7	80	77	78	103	100	102	116	110	112	150	145	146
8	82	77	79	103	101	102	117	111	113	161	149	156
9	83	74	79	107	101	103	127	117	123	155	142	149
10	74	67	71	---	---	---	132	127	130	142	138	141
11	74	67	71	---	---	---	131	127	129	139	131	133
12	74	73	74	---	---	---	127	125	126	136	132	133
13	78	74	76	93	88	90	127	125	126	169	136	150
14	86	78	81	91	87	89	127	122	124	168	139	157
15	89	84	87	91	87	89	128	121	124	139	125	131
16	86	84	85	99	91	95	136	128	130	125	116	120
17	91	86	89	114	99	104	145	133	140	126	117	122
18	89	81	85	118	110	114	150	140	143	126	124	125
19	98	85	93	123	107	112	150	132	139	125	123	124
20	98	90	95	124	109	113	132	125	128	131	125	129
21	105	94	99	139	116	125	125	123	124	135	131	134
22	111	94	102	138	128	132	123	119	122	137	134	135
23	116	101	107	129	119	124	119	114	115	139	136	137
24	116	114	115	126	120	123	116	115	115	138	135	137
25	114	111	113	129	123	126	116	114	115	148	134	139
26	113	106	110	131	120	124	116	114	115	139	110	124
27	108	106	107	133	125	129	119	115	118	110	97	102
28	107	100	105	132	122	127	124	119	120	97	89	93
29	101	98	100	128	121	125	128	124	126	100	90	94
30	99	90	94	127	116	123	125	123	124	108	99	105
31	---	---	---	126	111	120	126	123	124	---	---	---
MONTH PERIOD	116 169	54 54	87 113	139	87	109	150	108	122	169	89	132

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)

JUNE 30, 1994



RECORDED HOURLY VALUES

	1300	1400	1500
DO	7.9	7.8	7.8
WT	23.1	23.1	23.1
SC	93	93	93

CROSS SECTION VALUES

	Max	Min	Mean
DO	8.0	7.6	7.8
WT	24.5	23.2	23.5
SC	95	92	93

RECORDED DAILY VALUES

	Max	Min	Mean
DO	8.0	7.7	7.8
WT	23.3	22.4	22.9
SC	99	90	94

ANDROSCOGGIN RIVER BASIN

01056000 GULF ISLAND POND NEAR LEWISTON, ME--Continued
5 FOOT LEVEL

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	25.0	23.5	24.0	27.0	26.0	26.5	22.0	21.5	21.5
2	---	---	---	24.5	23.5	24.0	27.0	26.0	26.5	21.5	21.5	21.5
3	---	---	---	26.0	24.0	24.5	26.5	26.5	26.5	22.0	21.0	21.5
4	---	---	---	25.5	24.5	25.0	26.5	26.0	26.0	21.5	21.0	21.0
5	---	---	---	24.5	23.5	24.0	26.0	25.5	26.0	21.0	19.5	20.5
6	---	---	---	28.0	24.0	25.0	26.0	25.5	25.5	19.5	19.5	19.5
7	---	---	---	26.5	25.0	25.5	27.0	25.5	26.0	19.5	19.0	19.0
8	19.5	18.5	19.0	26.0	24.5	25.0	26.0	25.0	25.5	20.0	18.5	19.5
9	20.0	18.5	19.0	24.5	24.5	24.5	25.0	24.5	25.0	---	---	---
10	20.5	19.0	19.5	25.5	24.5	24.5	25.5	24.5	25.0	---	---	---
11	19.5	19.0	19.5	27.0	25.0	26.0	25.0	24.5	25.0	---	---	---
12	19.0	19.0	19.0	26.0	25.0	25.5	25.0	24.0	24.5	---	---	---
13	19.5	19.0	19.0	27.0	25.0	25.5	24.0	24.0	24.0	---	---	---
14	21.5	19.0	20.0	26.5	25.0	25.5	24.0	23.5	24.0	---	---	---
15	24.0	21.0	22.0	25.5	25.0	25.0	24.5	23.5	24.0	20.5	19.5	20.0
16	22.5	21.0	22.0	27.0	24.5	25.5	24.5	23.5	24.0	20.0	18.0	19.0
17	25.5	21.5	23.0	26.5	25.0	25.5	23.5	23.0	23.5	19.0	18.0	18.0
18	29.5	23.0	24.5	25.0	24.5	25.0	23.5	23.0	23.0	19.0	18.5	18.5
19	26.5	24.0	25.5	---	---	---	24.5	23.0	23.5	18.5	18.0	18.5
20	26.5	24.5	25.5	---	---	---	23.5	22.5	23.0	18.0	18.0	18.0
21	25.0	24.0	24.5	---	---	---	23.0	22.5	22.5	20.0	18.0	18.5
22	25.0	24.0	24.5	26.5	25.0	25.5	22.5	22.5	22.5	19.5	18.0	18.5
23	25.0	24.0	24.5	26.0	25.5	25.5	23.0	22.5	22.5	18.5	17.5	18.0
24	24.5	24.0	24.0	27.0	25.5	26.0	22.5	22.0	22.5	18.0	17.5	17.5
25	24.0	23.5	24.0	26.5	26.0	26.5	22.0	22.0	22.0	17.5	17.5	17.5
26	23.5	23.5	23.5	26.5	26.0	26.5	23.0	22.0	22.0	18.0	17.5	17.5
27	23.5	23.5	23.5	28.5	26.0	27.0	24.5	22.0	23.0	17.5	17.5	17.5
28	23.5	23.0	23.0	27.5	26.5	27.0	24.0	22.0	23.0	18.0	17.0	17.5
29	23.5	23.5	23.5	28.0	26.5	27.0	23.5	22.0	22.5	17.5	17.0	17.0
30	24.0	23.5	23.5	27.0	26.0	26.5	23.0	22.5	22.5	17.0	16.5	17.0
31	---	---	---	27.5	26.0	26.5	22.5	22.0	22.0	---	---	---
MONTH PERIOD	29.5	18.5	22.5	28.5	23.5	25.5	27.0	22.0	24.0	22.0	16.5	19.0
	29.5	16.5	23.0									

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	8.4	6.3	7.1	7.9	5.9	7.0	9.1	8.2	8.6
2	---	---	---	7.7	6.1	6.8	8.3	5.9	7.1	9.0	8.0	8.4
3	---	---	---	10.5	6.8	8.7	9.3	7.8	8.3	9.6	7.8	8.4
4	---	---	---	9.8	7.4	8.5	8.3	6.9	7.6	9.2	7.9	8.3
5	---	---	---	8.4	6.7	7.7	7.7	6.7	7.3	8.4	7.9	8.1
6	---	---	---	9.4	7.2	8.2	8.3	7.1	7.6	8.2	7.6	8.0
7	---	---	---	9.2	7.1	8.1	9.8	7.7	8.5	8.4	7.6	7.9
8	10.1	9.4	9.7	10.5	6.6	8.2	9.0	6.7	7.8	9.3	7.6	8.3
9	9.8	8.9	9.2	7.8	6.5	7.3	7.2	6.6	6.9	---	---	---
10	9.6	8.5	9.0	8.5	6.6	7.4	9.7	6.4	8.0	---	---	---
11	9.0	7.7	8.5	9.5	7.4	8.4	8.8	7.6	8.3	---	---	---
12	8.5	7.6	8.2	8.7	6.8	7.7	8.2	6.8	7.5	---	---	---
13	8.5	7.4	8.0	10.0	6.7	8.1	7.3	6.5	7.0	---	---	---
14	8.7	7.6	8.2	9.8	7.4	8.9	7.1	6.6	6.9	---	---	---
15	10.0	8.4	9.2	9.0	6.6	7.8	8.2	6.9	7.3	11.5	9.9	10.5
16	9.2	7.8	8.5	9.1	5.8	7.7	8.6	6.9	7.5	11.4	8.4	9.5
17	9.5	7.9	8.6	8.5	5.9	7.3	7.4	6.7	7.1	8.6	7.3	8.0
18	9.8	6.7	8.5	---	---	---	7.7	6.9	7.4	9.7	8.5	9.1
19	9.1	7.4	8.1	---	---	---	9.8	7.6	8.2	9.5	8.4	9.1
20	8.7	6.7	7.6	---	---	---	8.8	6.1	7.1	9.1	8.4	8.8
21	7.6	5.7	6.9	---	---	---	7.2	6.4	6.8	10.0	8.3	9.0
22	7.6	5.7	7.0	9.0	7.1	8.0	8.1	7.1	7.6	10.0	8.9	9.3
23	7.4	6.2	7.0	8.2	6.6	7.3	9.1	7.9	8.4	10.3	9.1	9.5
24	7.0	5.5	6.6	9.0	6.9	7.7	9.2	7.5	8.3	9.4	9.1	9.3
25	6.9	5.9	6.2	8.4	7.7	8.0	7.8	7.4	7.6	9.2	8.8	9.0
26	6.2	5.1	5.8	7.9	7.2	7.6	9.9	7.2	8.4	9.0	8.4	8.7
27	6.1	5.4	5.8	10.5	7.5	8.8	10.7	7.6	9.3	8.9	8.3	8.7
28	6.7	5.8	6.1	9.0	7.6	8.3	9.8	7.1	8.6	9.1	8.5	8.7
29	7.0	6.3	6.7	8.3	6.8	7.7	10.4	6.7	8.9	9.0	7.9	8.4
30	7.1	6.2	6.7	7.5	5.9	6.6	10.2	8.9	9.6	9.2	8.1	8.9
31	---	---	---	7.5	5.6	6.5	9.6	7.5	8.9	---	---	---
MONTH PERIOD	10.1 11.5	5.1 5.1	7.7 8.0	10.5	5.6	7.8	10.7	5.9	7.8	11.5	7.3	8.8

**01056000 GULF ISLAND POND NEAR LEWISTON, ME--Continued
20 FOOT LEVEL**

PERIOD OF RECORD.--Water years 1981 to current year

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1981 to current year.

pH: July 1981 to current year.

WATER TEMPERATURE: July 1981 to current year.

DISSOLVED OXYGEN: July 1981 to current year.

INSTRUMENTATION.--Water-quality monitor since July 1981. In-situ monitor located at monitoring point (20 ft below pond elevation 262 ft and 28 ft below top of dam, elevation 270 ft) since June 7, 1994. From May 20, 1983 to June 7, 1994, submersible pump at same location for continuous flow through monitor system.

REMARKS.--Prior to May 20, 1983 monitoring point for submersible pump was 37 ft below pond elevation 262 ft and 45 ft below top of dam (elevation 270 ft). Interruptions in the record were due to malfunctions of the monitor or pumping system.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 189 μ S/cm, Aug. 20, 1988; minimum, 21 μ S/cm, Apr. 2, 1987.

pH: Maximum, 7.7 units, Aug. 29, 1994; minimum, 5.7 units, Apr. 2, 1987.

WATER TEMPERATURE: Maximum, 28.5°C, Aug. 7, 12, 14, 1988; minimum, -0.5°C, Jan. 9, 1985.

DISSOLVED OXYGEN: Maximum, 15.5 mg/L, Dec. 15, 1983, Apr. 7, 1984; minimum, 2.1 mg/L, July 25, 1990.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 145 μ S/cm, Sept. 15, 17; minimum, 32 μ S/cm, Apr. 18.

pH: Maximum, 7.7 units, Aug. 29; minimum, 6.4 units, Apr. 18-19.

WATER TEMPERATURE: Maximum, 27.0°C, July 27-28, Aug 2; minimum, 0.0°C, on many days during winter period.

DISSOLVED OXYGEN: Maximum, 14.5 mg/L, Dec. 28, Jan. 1; minimum, 4.2 mg/L, July 31.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	138	136	137	121	119	120	78	55	65	82	73	78
2	140	137	139	119	117	117	59	47	51	86	78	82
3	138	136	137	117	116	117	49	47	48	99	83	88
4	137	135	136	118	116	117	50	47	48	104	92	97
5	136	134	135	120	118	119	54	50	52	116	101	108
6	135	128	132	119	118	119	59	54	56	117	108	112
7	129	118	123	119	118	119	66	59	62	120	113	116
8	130	122	127	118	114	116	71	64	69	122	116	119
9	129	121	127	114	107	111	80	71	76	122	118	120
10	127	122	126	108	106	107	87	79	82	123	120	122
11	126	124	125	106	104	105	86	85	86	123	121	122
12	124	123	124	104	102	103	90	86	88	123	120	122
13	123	122	123	102	98	100	93	90	92	123	121	122
14	122	120	121	99	96	97	95	92	94	122	120	121
15	123	120	121	96	93	95	92	81	87	124	120	122
16	127	123	126	98	91	93	81	75	78	126	122	123
17	128	124	126	94	91	92	75	73	74	129	124	126
18	127	123	125	100	93	96	74	73	74	128	125	127
19	124	123	124	109	99	103	75	74	75	128	126	127
20	125	124	124	110	105	108	75	74	75	128	126	128
21	124	121	123	116	110	113	75	73	74	129	127	128
22	123	121	122	121	116	118	75	73	74	129	128	128
23	122	121	122	123	121	122	81	75	79	129	128	129
24	123	121	122	121	114	118	82	81	82	131	128	129
25	124	122	123	114	107	111	81	71	78	135	129	131
26	125	124	124	109	96	103	77	67	72	135	131	134
27	126	125	125	101	95	99	70	65	67	135	133	134
28	128	126	127	108	95	101	67	65	66	134	128	132
29	128	124	126	99	93	95	68	66	68	131	126	129
30	125	120	124	105	77	93	73	68	70	129	126	128
31	124	121	123	---	---	---	80	70	74	129	126	127
MONTH	140	118	126	123	77	108	95	47	72	135	73	120

ANDROSCOGGIN RIVER BASIN

01056000 GULF ISLAND POND NEAR LEWISTON, ME--Continued
20 FOOT LEVEL

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	129	127	128	118	110	113	88	86	87	---	---	---
2	132	129	130	114	108	110	88	87	87	---	---	---
3	134	130	132	111	108	109	88	87	87	---	---	---
4	135	129	133	112	109	110	88	87	87	---	---	---
5	133	122	130	115	111	112	89	87	88	46	44	45
6	131	117	125	115	113	114	87	84	85	48	46	47
7	125	116	121	115	113	114	84	75	81	51	48	49
8	125	119	122	116	114	115	77	68	72	53	51	52
9	123	116	119	117	114	116	69	59	64	57	53	55
10	118	115	116	116	112	114	59	53	55	60	56	59
11	117	113	115	113	110	112	54	53	53	58	47	53
12	115	111	113	111	109	110	57	54	55	50	46	47
13	114	110	112	111	109	110	58	57	58	50	46	48
14	113	110	111	111	110	111	58	55	56	57	50	54
15	114	111	112	112	111	112	56	52	55	59	57	58
16	116	113	115	113	112	112	52	43	48	59	58	58
17	116	114	116	113	109	112	43	36	40	59	58	59
18	117	116	116	111	107	109	36	32	34	64	59	61
19	117	116	117	108	105	107	35	33	33	64	62	63
20	118	116	117	105	103	104	37	34	36	62	57	60
21	120	117	118	104	103	103	39	37	38	58	57	57
22	121	119	120	104	102	103	44	39	42	60	57	58
23	120	120	120	103	102	102	50	44	47	61	59	61
24	120	119	119	105	103	104	55	49	51	61	60	60
25	122	119	120	105	104	104	59	51	53	61	59	60
26	124	121	122	104	103	104	57	55	56	64	61	63
27	123	120	122	103	102	103	---	---	---	66	64	65
28	122	113	118	102	100	102	---	---	---	71	66	68
29	---	---	---	101	93	98	---	---	---	75	70	73
30	---	---	---	94	88	91	---	---	---	74	64	71
31	---	---	---	90	87	88	---	---	---	67	60	63
MONTH	135	110	120	118	87	107	89	32	60	75	44	58

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	63	59	61	108	106	107	123	121	122	123	122	122
2	61	58	59	107	101	105	123	121	122	123	121	122
3	60	58	58	105	100	103	122	119	121	124	122	123
4	62	60	61	103	99	102	122	117	121	125	122	123
5	65	61	63	101	95	98	120	117	118	125	122	124
6	69	65	66	97	95	96	117	117	117	126	123	124
7	---	---	---	96	95	95	117	117	117	134	124	129
8	73	67	70	96	94	95	117	116	117	139	130	135
9	76	73	74	96	94	95	117	116	117	---	---	---
10	81	76	78	97	96	97	117	115	116	---	---	---
11	81	79	80	101	97	99	116	115	115	---	---	---
12	80	75	78	103	98	101	119	115	116	---	---	---
13	78	75	77	105	103	104	122	116	119	---	---	---
14	76	74	75	105	103	104	129	118	123	---	---	---
15	76	74	75	104	101	103	125	120	122	145	137	143
16	81	75	77	102	98	100	122	121	121	144	140	142
17	84	79	82	100	98	99	125	121	123	145	142	143
18	86	83	84	100	95	98	125	122	123	143	142	142
19	88	84	86	---	---	---	123	122	122	143	143	143
20	88	87	88	---	---	---	130	122	126	144	142	143
21	89	88	88	106	97	99	136	126	129	143	140	142
22	91	89	90	107	100	103	127	126	127	141	135	139
23	92	90	91	109	105	107	130	127	128	140	135	137
24	93	91	92	108	107	108	131	129	130	135	133	134
25	96	93	94	111	108	109	131	127	130	133	132	133
26	100	95	97	114	110	112	130	126	128	136	132	133
27	109	99	103	118	112	115	129	127	128	139	134	136
28	113	108	110	119	117	118	128	125	127	141	135	137
29	109	106	107	120	119	119	126	123	125	140	128	136
30	110	107	109	123	119	121	125	123	124	134	127	131
31	---	---	---	122	120	121	124	123	123	---	---	---
MONTH	113	58	82	123	94	105	136	115	122	145	121	134
YEAR	145	32	101									

**01056000 GULF ISLAND POND NEAR LEWISTON, ME--Continued
20 FOOT LEVEL**

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	6.9	6.9	6.9	6.9	6.8	6.9	7.0	6.9	6.9	6.6	6.6	6.6
2	6.9	6.9	6.9	6.9	6.8	6.9	6.9	6.9	6.9	---	---	---
3	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	---	---	---
4	7.0	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	---	---	---
5	7.0	6.9	7.0	6.9	6.8	6.8	7.0	6.9	7.0	6.5	6.5	6.5
6	7.0	6.9	6.9	6.9	6.8	6.9	7.0	7.0	7.0	6.6	6.5	6.5
7	7.0	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	6.6	6.6	6.6
8	7.0	6.9	6.9	7.2	6.9	7.0	7.0	7.0	7.0	6.6	6.6	6.6
9	7.0	6.9	7.0	7.2	7.1	7.1	7.0	6.9	6.9	6.6	6.6	6.6
10	7.0	6.9	7.0	7.1	7.0	7.1	6.9	6.9	6.9	6.7	6.6	6.6
11	7.0	7.0	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.6	6.5	6.6
12	7.0	6.9	7.0	6.9	6.9	6.9	6.8	6.8	6.8	6.6	6.5	6.5
13	7.0	6.9	7.0	6.9	6.9	6.9	6.9	6.8	6.8	6.6	6.5	6.6
14	7.0	6.9	6.9	6.9	6.8	6.8	6.9	6.8	6.8	6.7	6.6	6.7
15	7.0	6.9	6.9	6.8	6.8	6.8	6.8	6.7	6.8	6.7	6.7	6.7
16	7.0	6.9	6.9	7.0	6.8	7.0	6.7	6.6	6.7	6.7	6.7	6.7
17	7.0	6.9	6.9	7.0	7.0	7.0	6.6	6.5	6.6	6.7	6.7	6.7
18	7.0	6.9	6.9	7.0	7.0	7.0	6.5	6.4	6.5	6.7	6.7	6.7
19	7.0	6.9	7.0	7.0	7.0	7.0	6.5	6.4	6.5	6.7	6.7	6.7
20	7.0	6.9	7.0	7.0	6.9	7.0	6.6	6.5	6.5	6.7	6.7	6.7
21	7.0	6.9	7.0	7.0	6.9	7.0	6.6	6.6	6.6	6.7	6.6	6.7
22	7.0	6.9	7.0	7.0	7.0	7.0	6.7	6.6	6.7	6.7	6.6	6.7
23	7.0	6.8	6.9	7.1	7.0	7.0	6.7	6.7	6.7	6.8	6.7	6.7
24	6.9	6.9	6.9	7.1	7.0	7.1	6.8	6.7	6.8	6.8	6.7	6.7
25	6.9	6.8	6.8	7.1	7.0	7.1	6.8	6.7	6.8	6.8	6.6	6.7
26	6.9	6.9	6.9	7.1	7.0	7.0	6.8	6.8	6.8	6.7	6.7	6.7
27	6.9	6.8	6.9	7.0	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.6
28	6.9	6.8	6.9	7.0	7.0	7.0	6.9	6.8	6.8	6.6	6.6	6.6
29	---	---	---	7.0	7.0	7.0	6.8	6.7	6.7	6.7	6.6	6.6
30	---	---	---	7.0	7.0	7.0	6.7	6.6	6.6	6.7	6.6	6.6
31	---	---	---	7.0	7.0	7.0	---	---	---	6.6	6.6	6.6
MONTH	7.0	6.8	6.9	7.2	6.8	7.0	7.0	6.4	6.8	6.8	6.5	6.6

01056000 GULF ISLAND POND NEAR LEWISTON, ME--Continued
20 FOOT LEVEL

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	6.7	6.6	6.7	6.7	6.6	6.7	6.8	6.7	6.8	7.1	6.9	7.0
2	6.9	6.7	6.8	6.7	6.6	6.7	7.0	6.7	6.8	7.0	6.9	6.9
3	6.9	6.7	6.8	7.3	6.6	6.9	7.1	6.8	6.9	7.0	6.8	6.9
4	6.7	6.6	6.7	6.9	6.6	6.8	7.0	6.7	6.8	7.0	6.8	6.9
5	6.6	6.5	6.6	6.7	6.6	6.6	7.0	6.8	6.9	6.9	6.9	6.9
6	6.7	6.5	6.6	6.9	6.7	6.7	7.1	7.0	7.0	7.0	6.9	6.9
7	---	---	---	6.7	6.6	6.7	7.1	7.0	7.0	6.9	6.9	6.9
8	7.2	6.8	7.0	6.8	6.6	6.6	7.0	6.8	6.9	6.9	6.9	6.9
9	7.0	6.7	6.8	6.9	6.6	6.7	6.9	6.8	6.9	---	---	---
10	6.9	6.7	6.8	6.8	6.7	6.7	7.6	6.8	7.1	---	---	---
11	6.8	6.6	6.7	7.0	6.7	6.8	7.2	6.9	7.0	---	---	---
12	6.7	6.6	6.6	6.9	6.6	6.7	7.1	6.9	7.0	---	---	---
13	6.7	6.6	6.7	6.8	6.7	6.7	6.9	6.8	6.9	---	---	---
14	6.7	6.6	6.6	7.1	6.7	6.9	6.8	6.7	6.8	---	---	---
15	7.1	6.6	6.8	7.1	6.7	6.9	6.9	6.8	6.8	7.2	6.8	6.9
16	6.8	6.6	6.7	7.1	6.7	6.9	6.9	6.8	6.9	6.9	6.8	6.8
17	6.8	6.6	6.7	7.0	6.8	6.8	6.9	6.8	6.9	6.9	6.8	6.8
18	6.7	6.6	6.6	6.8	6.5	6.6	6.9	6.8	6.9	7.1	6.9	7.0
19	7.2	6.6	6.8	6.9	6.7	6.8	7.0	6.8	6.9	7.1	6.9	7.0
20	6.8	6.6	6.7	---	---	---	6.9	6.6	6.7	7.0	6.8	6.9
21	6.7	6.6	6.6	6.9	6.7	6.8	6.8	6.7	6.7	7.0	6.8	6.9
22	6.7	6.6	6.6	6.9	6.8	6.8	6.9	6.8	6.8	7.0	6.9	6.9
23	6.7	6.6	6.7	6.9	6.8	6.8	7.1	6.8	6.9	7.1	6.9	7.0
24	6.7	6.6	6.6	7.0	6.8	6.9	7.0	6.8	6.9	7.0	7.0	7.0
25	6.6	6.5	6.6	7.1	6.9	7.0	6.8	6.8	6.8	7.0	6.9	6.9
26	6.6	6.5	6.5	7.1	6.8	7.0	6.9	6.8	6.8	6.9	6.9	6.9
27	6.6	6.5	6.5	7.3	6.9	7.1	6.9	6.7	6.8	6.9	6.9	6.9
28	6.7	6.6	6.6	7.3	7.0	7.1	6.8	6.7	6.8	6.9	6.9	6.9
29	6.7	6.6	6.7	7.1	6.9	7.0	7.7	6.7	7.0	6.9	6.8	6.8
30	6.7	6.6	6.7	6.9	6.8	6.8	7.6	6.9	7.2	6.9	6.8	6.9
31	---	---	---	6.8	6.7	6.8	7.3	7.0	7.1	---	---	---
MONTH	7.2	6.5	6.7	7.3	6.5	6.8	7.7	6.6	6.9	7.2	6.8	6.9
YEAR	7.7	6.4	6.9									

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE				JULY			AUGUST			SEPTEMBER		
1	16.0	15.0	15.5	23.5	23.0	23.5	26.0	26.0	26.0	22.0	21.5	22.0
2	17.0	16.0	16.5	23.5	23.5	23.5	27.0	26.0	26.0	21.5	21.5	21.5
3	17.5	16.5	17.0	25.5	23.5	24.5	26.5	26.0	26.5	21.5	21.0	21.5
4	18.0	17.0	17.0	25.0	23.5	24.5	26.5	26.0	26.0	21.5	21.0	21.0
5	17.5	17.0	17.0	24.0	23.5	24.0	26.0	26.0	26.0	21.0	19.5	20.5
6	18.0	17.0	17.5	25.0	24.0	24.0	26.0	25.5	25.5	19.5	19.5	19.5
7	---	---	---	24.5	24.0	24.5	25.5	25.0	25.5	19.5	18.5	19.0
8	19.5	18.0	19.0	24.5	24.0	24.5	25.5	25.0	25.0	18.5	18.0	18.5
9	19.5	18.5	19.0	24.5	24.5	24.5	25.0	24.5	25.0	---	---	---
10	20.0	18.5	19.0	24.5	24.5	24.5	25.5	24.5	25.0	---	---	---
11	19.5	18.5	19.0	25.5	24.5	25.0	25.0	24.5	24.5	---	---	---
12	19.0	18.5	19.0	25.5	24.5	25.0	24.5	24.0	24.5	---	---	---
13	19.0	18.5	19.0	25.0	24.5	25.0	24.0	24.0	24.0	---	---	---
14	19.5	18.5	19.0	25.5	24.5	25.0	24.0	24.0	24.0	---	---	---
15	22.0	19.5	20.5	25.0	24.5	25.0	24.0	23.5	23.5	19.0	17.5	18.0
16	21.5	20.0	20.5	26.0	24.5	25.0	23.5	23.5	23.5	18.0	17.5	18.0
17	23.0	20.5	21.5	25.5	24.5	25.0	23.5	23.0	23.0	18.5	17.5	18.0
18	23.0	22.0	22.5	25.0	24.5	24.5	23.0	23.0	23.0	19.0	18.5	18.5
19	26.0	22.5	24.0	---	---	---	23.5	23.0	23.0	18.5	18.0	18.5
20	25.0	24.5	25.0	---	---	---	23.0	22.5	23.0	18.0	18.0	18.0
21	25.0	24.0	24.5	25.0	24.5	25.0	23.0	22.5	22.5	18.0	17.5	18.0
22	24.5	24.0	24.5	25.5	24.5	25.0	22.5	22.5	22.5	18.0	18.0	18.0
23	24.5	24.0	24.5	25.5	25.0	25.5	23.0	22.5	22.5	18.5	17.5	18.0
24	24.5	24.0	24.0	26.0	25.5	26.0	22.5	22.0	22.5	18.0	17.5	17.5
25	24.0	23.5	24.0	26.5	26.0	26.5	22.0	21.5	22.0	18.0	17.5	17.5
26	23.5	23.0	23.5	26.5	26.0	26.0	22.0	21.5	22.0	17.5	17.5	17.5
27	23.5	23.0	23.5	27.0	26.0	26.5	22.5	22.0	22.0	17.5	17.0	17.5
28	23.5	22.5	23.0	27.0	26.5	26.5	22.0	22.0	22.0	17.5	17.0	17.0
29	23.5	23.0	23.5	26.5	26.0	26.5	23.5	22.0	22.5	17.0	17.0	17.0
30	23.5	23.0	23.5	26.5	26.0	26.0	23.0	22.5	22.5	17.0	16.5	17.0
31	---	---	---	26.0	26.0	26.0	22.5	22.0	22.0	---	---	---
MONTH	26.0	15.0	21.0	27.0	23.0	25.0	27.0	21.5	24.0	22.0	16.5	18.5
YEAR	27.0	.0	10.0									

01056000 GULF ISLAND POND NEAR LEWISTON, ME—Continued
20 FOOT LEVEL

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	8.6	8.4	8.5	10.7	10.5	10.6	13.6	13.5	13.5	14.5	14.2	14.4
2	8.8	8.5	8.7	10.8	10.7	10.7	13.5	13.4	13.5	14.4	14.2	14.3
3	8.8	8.7	8.8	11.2	10.7	10.9	13.4	13.3	13.4	---	---	---
4	8.8	8.6	8.7	11.2	11.1	11.2	13.3	13.1	13.2	---	---	---
5	8.8	8.7	8.7	11.5	11.2	11.4	13.4	13.2	13.4	---	---	---
6	9.0	8.7	8.9	11.6	11.4	11.5	13.5	13.4	13.4	---	---	---
7	9.3	9.0	9.1	11.7	11.5	11.6	13.4	13.3	13.4	---	---	---
8	9.1	8.9	9.0	12.0	11.6	11.8	13.5	13.3	13.4	---	---	---
9	9.1	8.9	9.0	12.2	12.0	12.1	13.4	13.3	13.4	---	---	---
10	9.2	9.0	9.1	12.2	12.1	12.2	13.4	13.1	13.3	---	---	---
11	9.1	8.9	9.0	12.4	12.1	12.2	13.2	13.1	13.1	---	---	---
12	9.0	8.8	8.9	12.4	12.3	12.3	13.3	13.1	13.2	---	---	---
13	9.3	9.0	9.1	12.5	12.4	12.4	13.3	13.2	13.3	---	---	---
14	9.3	9.2	9.2	12.5	12.4	12.4	13.3	13.2	13.3	---	---	---
15	9.6	9.2	9.4	12.6	12.4	12.5	13.6	13.3	13.4	---	---	---
16	9.9	9.5	9.7	12.6	12.4	12.5	13.9	13.6	13.7	---	---	---
17	9.9	9.6	9.8	12.7	12.6	12.6	14.2	13.8	14.0	---	---	---
18	9.9	9.6	9.7	12.8	12.5	12.7	14.2	13.8	14.0	---	---	---
19	10.2	9.7	9.9	12.8	12.7	12.8	13.8	13.5	13.7	13.7	13.5	13.6
20	10.2	9.9	10.1	12.8	12.6	12.7	13.9	13.6	13.7	13.7	13.4	13.6
21	10.2	9.8	10.1	12.7	12.6	12.6	14.2	13.6	13.9	13.7	13.3	13.5
22	10.3	10.0	10.1	12.7	12.6	12.7	13.8	13.5	13.6	13.7	13.5	13.6
23	10.4	10.2	10.2	12.6	12.5	12.6	13.8	13.6	13.7	13.9	13.6	13.8
24	10.2	10.2	10.2	12.6	12.5	12.5	13.9	13.7	13.7	14.0	13.8	13.9
25	10.2	10.1	10.2	12.8	12.6	12.7	13.8	13.5	13.6	13.9	13.4	13.5
26	10.2	10.1	10.1	13.0	12.7	12.9	13.9	13.4	13.6	13.7	13.4	13.5
27	10.2	10.1	10.2	13.0	12.8	12.9	14.3	13.8	14.1	---	---	---
28	10.4	10.2	10.3	12.9	12.5	12.8	14.5	14.2	14.4	---	---	---
29	10.6	10.3	10.4	13.4	12.9	13.1	14.4	14.1	14.3	---	---	---
30	10.6	10.4	10.5	13.6	13.3	13.5	14.3	14.0	14.1	---	---	---
31	10.5	10.4	10.5	---	---	---	14.4	14.0	14.2	---	---	---
MONTH	10.6	8.4	9.6	13.6	10.5	12.2	14.5	13.1	13.6	14.5	13.3	13.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	---	---	---	14.1	13.7	14.0	13.2	13.1	13.2	12.7	12.6	12.7
2	---	---	---	14.0	13.8	14.0	13.2	13.1	13.2	---	---	---
3	---	---	---	14.0	13.7	13.9	13.2	13.1	13.2	---	---	---
4	---	---	---	13.8	13.6	13.7	13.1	13.1	13.1	---	---	---
5	---	---	---	13.9	13.6	13.8	13.2	13.0	13.1	12.3	12.0	12.2
6	---	---	---	14.0	13.8	13.9	13.1	13.0	13.1	12.0	11.7	11.9
7	---	---	---	13.9	13.8	13.9	13.2	13.0	13.1	11.7	11.4	11.5
8	13.5	13.2	13.5	13.9	13.7	13.8	13.6	13.2	13.4	11.4	11.2	11.3
9	13.5	13.1	13.4	13.7	13.5	13.6	13.8	13.5	13.7	11.2	10.9	11.1
10	13.5	13.3	13.4	13.5	13.4	13.5	13.8	13.8	13.8	10.9	10.8	10.8
11	13.5	13.3	13.4	13.6	13.5	13.5	13.8	13.5	13.7	11.1	10.8	11.0
12	13.5	13.3	13.4	13.6	13.5	13.6	13.5	13.3	13.4	11.0	10.8	10.9
13	13.5	13.3	13.4	13.6	13.4	13.5	13.4	13.3	13.3	10.8	10.5	10.6
14	13.5	13.3	13.4	13.5	13.4	13.4	13.4	13.2	13.3	10.5	10.5	10.5
15	13.6	13.4	13.5	13.4	13.3	13.4	13.4	13.2	13.3	10.6	10.4	10.5
16	13.5	13.4	13.5	13.5	13.3	13.4	13.6	13.4	13.5	10.8	10.4	10.6
17	13.7	13.4	13.6	13.5	13.3	13.5	13.9	13.4	13.6	10.8	10.7	10.7
18	13.7	13.4	13.6	13.5	13.4	13.4	14.3	13.9	14.2	10.7	10.5	10.6
19	13.5	13.2	13.4	13.4	13.3	13.3	14.3	14.2	14.3	10.5	10.5	10.5
20	13.4	13.2	13.3	13.3	13.2	13.2	14.2	14.1	14.2	10.8	10.3	10.5
21	13.4	13.1	13.3	13.2	13.2	13.2	14.1	13.7	13.9	10.5	10.3	10.4
22	13.5	13.2	13.4	13.2	13.1	13.2	13.7	13.3	13.5	10.5	10.3	10.4
23	13.6	13.4	13.5	13.3	13.2	13.2	13.3	13.0	13.1	10.3	9.9	10.2
24	13.7	13.4	13.6	13.3	13.2	13.3	13.0	12.8	12.9	10.0	9.6	9.8
25	13.6	13.5	13.5	13.2	13.1	13.1	12.9	12.8	12.9	9.7	9.4	9.6
26	13.6	13.5	13.5	13.1	13.0	13.1	12.8	12.6	12.7	9.4	9.0	9.2
27	13.9	13.5	13.7	13.0	12.9	12.9	12.6	12.5	12.6	9.0	8.8	8.9
28	14.1	13.5	13.9	12.9	12.8	12.8	13.0	12.6	12.8	8.8	8.6	8.7
29	---	---	---	13.0	12.8	12.9	13.0	12.8	12.9	8.9	8.6	8.8
30	---	---	---	13.2	12.9	13.0	12.8	12.7	12.8	9.4	8.9	9.1
31	---	---	---	13.2	13.0	13.1	---	---	---	9.5	9.1	9.3
MONTH	14.1	13.1	13.5	14.1	12.8	13.4	14.3	12.5	13.3	12.7	8.6	10.4

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	9.5	9.2	9.4	7.1	6.2	6.6	5.5	4.7	5.2	9.0	7.6	8.5
2	9.7	9.3	9.6	7.1	5.9	6.5	7.7	5.1	6.0	8.8	7.5	8.3
3	9.6	9.0	9.3	9.3	6.3	8.2	8.1	5.6	6.9	8.5	5.6	7.6
4	9.1	8.8	8.9	8.8	6.2	7.4	7.6	5.4	6.3	8.4	7.2	7.9
5	8.8	8.3	8.6	7.8	5.9	6.8	7.4	5.7	6.9	8.2	7.7	8.0
6	8.8	8.2	8.6	7.9	6.8	7.2	7.9	7.2	7.5	8.1	5.7	7.8
7	---	---	---	7.1	6.3	6.7	7.8	6.8	7.3	8.1	5.1	7.4
8	10.0	9.1	9.6	6.6	5.9	6.3	7.5	6.1	6.7	8.7	5.9	8.0
9	9.5	8.5	9.0	7.1	5.5	6.3	7.2	6.0	6.7	---	---	---
10	8.9	8.3	8.6	6.7	5.9	6.3	9.6	6.0	7.9	---	---	---
11	8.6	7.6	8.1	7.6	6.4	7.0	8.7	6.8	7.7	---	---	---
12	8.4	7.5	7.8	6.9	5.5	6.3	7.8	6.6	7.1	---	---	---
13	8.5	7.3	8.0	6.8	5.3	6.2	7.2	6.1	6.7	---	---	---
14	8.3	7.4	7.9	7.9	5.4	6.8	7.2	6.0	6.7	---	---	---
15	9.3	7.9	8.5	7.5	5.3	6.3	7.2	6.4	6.8	9.1	7.6	8.1
16	8.5	7.6	8.0	7.4	4.5	6.0	7.3	6.5	7.0	8.3	7.2	7.9
17	8.3	7.4	7.9	7.3	4.9	5.9	7.4	6.5	7.1	8.4	7.7	8.1
18	8.0	6.8	7.6	6.6	4.3	5.4	7.5	6.1	7.0	9.2	7.9	8.7
19	8.8	6.5	7.5	---	---	---	8.1	6.2	7.4	9.0	8.5	8.7
20	7.7	6.5	7.3	---	---	---	7.3	5.7	6.5	8.7	7.5	8.4
21	7.4	6.2	6.8	7.5	5.6	7.0	7.1	5.6	6.5	8.6	7.7	8.2
22	7.2	6.1	6.7	7.4	6.4	6.9	7.9	6.8	7.5	8.9	8.3	8.6
23	7.2	6.4	6.8	7.5	6.5	6.9	9.0	7.7	8.2	9.3	8.4	9.0
24	7.0	5.9	6.4	7.7	6.6	7.2	8.6	7.3	8.0	9.1	8.8	8.9
25	6.4	5.6	6.1	8.0	7.2	7.6	7.8	7.2	7.6	8.9	8.5	8.7
26	6.0	5.2	5.7	7.8	6.6	7.3	8.0	7.2	7.6	8.9	8.3	8.6
27	6.0	5.1	5.5	8.7	6.6	7.7	8.0	6.7	7.4	8.9	8.5	8.7
28	6.5	5.8	6.1	8.5	6.8	7.7	7.5	6.6	7.0	8.8	8.1	8.6
29	6.8	6.3	6.6	7.3	6.6	7.0	10.0	6.6	8.3	8.9	8.2	8.5
30	6.9	6.3	6.5	6.6	4.7	5.7	10.0	7.9	9.1	8.9	8.4	8.7
31	---	---	---	5.7	4.2	5.0	9.5	7.9	8.9	---	---	---
MONTH YEAR	10.0 14.5	5.1 4.2	7.7 10.6	9.3	4.2	6.7	10.0	4.7	7.2	9.3	5.1	8.3

PERIOD OF RECORD.--Water years 1992 to current year

PERIOD OF DAILY RECORD. - -

SPECIFIC CONDUCTANCE: Seasonal records June 1992 to current year.

WATER TEMPERATURE: Seasonal records June 1992 to current year.

DISSOLVED OXYGEN: Seasonal records June 1992 to current year.

INSTRUMENTATION.--Water-quality monitor since June 1992. In-situ monitor located at monitoring point (35 ft below pond elevation 262 ft and 43 ft below top of dam, elevation 270 ft) since June 7, 1994. Prior to June 7, 1994 submersible pump at same location for continuous flow through monitor system.

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

EXTREMES FOR PERIOD OF DAILY RECORD. - -

SPECIFIC CONDUCTANCE: Maximum, 182 $\mu\text{S}/\text{cm}$, Aug. 3, 1993; minimum, 65 $\mu\text{S}/\text{cm}$, June 8, 1994.

WATER TEMPERATURE: Maximum, 26.5°C, July 15-16, 1993, July 27-29, Aug 2, 1994; minimum, 14.5°C, June 5-6, 1993.

DISSOLVED OXYGEN: Maximum, 9.9 mg/L, June 8, 1994; minimum, 0.4 mg/L, Sept. 4, 1994.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CENLSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

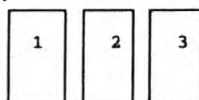
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	108	105	106	120	118	119	121	119	120
2	---	---	---	107	99	104	120	119	120	120	119	119
3	---	---	---	103	100	102	120	119	119	121	119	120
4	---	---	---	102	97	100	119	115	118	122	120	121
5	---	---	---	97	94	96	117	115	116	121	120	121
6	---	---	---	95	94	94	115	115	115	123	121	121
7	---	---	---	95	93	94	116	114	115	136	121	129
8	71	65	68	94	92	93	115	114	114	140	135	138
9	74	69	72	94	93	93	115	114	114	149	140	144
10	77	74	76	95	94	95	115	113	114	149	137	145
11	78	75	77	98	95	96	114	113	113	149	141	145
12	78	73	76	101	95	97	117	113	114	146	137	140
13	76	73	75	103	100	101	121	114	118	149	140	145
14	74	72	73	103	102	102	127	119	123	151	147	150
15	74	73	74	103	99	101	122	118	120	151	147	149
16	76	74	74	100	98	99	120	117	119	148	144	146
17	80	75	78	101	99	100	123	119	121	149	146	147
18	84	78	81	100	95	97	123	120	121	148	146	147
19	85	81	83	96	93	94	122	119	120	148	147	147
20	85	82	84	---	---	---	129	121	125	148	146	147
21	88	85	86	103	95	97	135	124	131	147	144	146
22	91	86	88	103	97	100	133	124	125	146	139	144
23	93	87	89	103	99	101	127	124	125	144	138	140
24	91	88	90	105	101	103	129	125	127	139	137	137
25	95	90	92	106	102	104	128	124	127	137	136	136
26	99	93	95	109	105	107	126	123	124	140	136	137
27	110	99	105	114	108	111	126	121	124	145	140	142
28	111	105	110	117	110	114	125	122	123	145	141	144
29	108	104	106	117	115	116	123	121	122	145	130	140
30	108	106	107	117	116	116	122	121	121	137	129	134
31	---	---	---	119	117	118	122	121	121	---	---	---
MONTH PERIOD	111 151	65 65	85 113	119	92	102	135	113	120	151	119	138

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 5, 1994

LEFT END		WIDTH IN FEET			RIGHT END	
0		TOP OF DAM			(ELEV 270.0')	
0		NORMAL POND LEVEL			(ELEV 262.0')	
		1330 HRS				
		8.0	24.4	97		
D						D
E 5		7.0	24.0	96	← 5 FT MONITORING POINT	5 E
P						P
T						T
H 10		6.8	23.9	96		10 H
I 15		6.7	23.9	96		15 I
N						N
20		6.6	23.8	96	← 20 FT MONITORING POINT	20
F						F
E						E
E 25		6.4	23.6	97		25 E
T						T
30		6.2	23.5	97		30
35		6.0	23.5	97	← 35 FT MONITORING POINT	35
40		5.8	23.5	97		40
45		5.8	23.5	97		45
50		5.8	23.5	97		50



TURBINE INTAKES

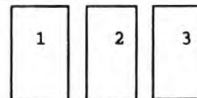
		RECORDED HOURLY VALUES			RECORDED DAILY VALUES			
		1200	1300	1400		Max	Min	Mean
5 FT LEVEL:	DO	7.6	7.6	8.0	DO	8.4	6.7	7.7
	WT	24.3	24.3	24.3	WT	24.5	23.7	24.2
	SC	97	95	94	SC	101	92	96
20 FT LEVEL:	DO	6.7	6.5	6.3	DO	7.8	5.9	6.8
	WT	23.9	23.8	23.8	WT	24.2	23.7	23.9
	SC	99	98	97	SC	101	95	98
35 FT LEVEL:	DO	6.1	6.1	6.1	DO	7.2	5.5	6.3
	WT	23.6	23.5	23.5	WT	23.9	23.5	23.7
	SC	97	97	97	SC	97	94	96

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)

AUGUST 1, 1994

LEFT END	WIDTH IN FEET			RIGHT END
0	TOP OF DAM	500	(ELEV 270.0')	1200
0	NORMAL POND LEVEL	@ 1245 HRS	(ELEV 262.0')	0
		9.4 29.0 118		
D E 5 P T H 10		7.7 27.0 118 ← 5 FT MONITORING POINT		D E 5 P T H 10
		6.3 26.5 118		
I 15 N		5.6 26.1 119		15 I N
20 F E E 25 T		5.5 26.1 119 ← 20 FT MONITORING POINT		20 F E E 25 T
		5.4 26.0 119		
30		4.4 25.8 119		30
35		4.3 25.8 119 ← 35 FT MONITORING POINT		35
40		4.3 25.8 119		40
45		4.3 25.8 119		45
50		4.2 25.8 119		50



TURBINE INTAKES

	RECORDED HOURLY VALUES				RECORDED DAILY VALUES		
	1200	1300	1400		Max	Min	Mean
5 FT LEVEL:	DO 7.2	7.0	7.9		DO 7.9	5.9	7.0
	WT 26.3	26.5	26.9		WT 27.0	26.2	26.6
	SC ---	119	118		SC 122	118	119
20 FT LEVEL:	DO 5.4	5.4	5.3		DO 5.5	4.7	5.2
	WT 26.0	26.0	26.0		WT 26.2	25.9	26.0
	SC 121	122	122		SC 123	121	122
35 FT LEVEL:	DO 4.9	4.6	5.1		DO 5.2	4.1	4.8
	WT 25.9	25.8	25.7		WT 26.0	25.7	25.9
	SC 119	119	120		SC 120	118	119

LOCATION.--Lat 44°05'50", long 70°13'26", Androscoggin County, Hydrologic Unit 01040002, on the Auburn side of North Bridge, downstream side of second pier from right bank, on the Androscoggin River, 700 ft below Great Falls.

PERIOD OF RECORD.--Water years 1988 to current year.

PERIOD OF DAILY RECORD. - -

WATER TEMPERATURE: Seasonal records July 1988 to current year.

DISSOLVED OXYGEN: Seasonal records July 1988 to current year.

INSTRUMENTATION.--Water-quality monitor since July 1988. Probes located in current 35 ft left of second bridge pier from right bank and 1.5 ft above river bed. Prior to June 4, 1993 probes located 5 ft left of same pier and 0.5 ft above river bed.

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

EXTREMES FOR PERIOD OF DAILY RECORD. - -

WATER TEMPERATURE: Maximum, 29.5°C, July 20, 1991; minimum, 13.5°C, Sept. 29,30, 1991.

DISSOLVED OXYGEN: Maximum, 11.0 mg/L, Sept. 30, 1991; minimum, 0.4 mg/L, July 29, 1991.

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

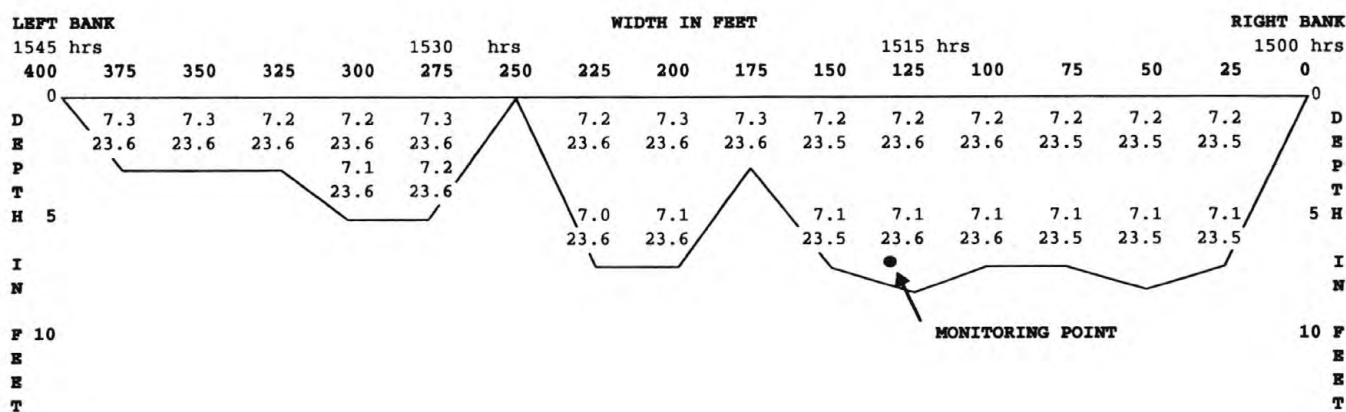
01056600 ANDROSCOGGIN RIVER AT NORTH BRIDGE AT AUBURN, ME

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	10.0	9.6	9.8	7.8	7.1	7.5	6.8	6.3	6.5	8.5	8.1	8.3
2	10.0	9.5	9.8	7.7	7.0	7.3	6.5	6.2	6.4	9.3	8.3	8.7
3	10.2	9.6	9.8	8.2	7.1	7.5	6.5	5.1	6.1	9.6	8.5	8.9
4	9.8	9.2	9.5	8.3	7.8	8.1	7.8	5.1	6.9	9.4	8.2	8.9
5	9.4	8.9	9.1	7.9	7.3	7.6	7.5	6.8	7.0	8.7	8.1	8.4
6	9.1	8.7	8.9	8.2	7.1	7.6	8.5	6.7	7.4	8.6	7.7	8.1
7	9.2	8.7	8.9	7.9	7.4	7.7	9.9	8.0	8.8	8.5	7.7	8.1
8	9.7	8.7	9.3	7.7	7.1	7.4	9.0	8.2	8.7	8.5	7.9	8.1
9	9.5	8.9	9.3	7.5	6.7	7.1	8.7	7.7	8.1	8.7	7.9	8.3
10	9.1	8.7	8.9	7.7	6.5	7.1	8.1	7.5	7.8	8.7	8.2	8.4
11	9.0	8.5	8.8	8.3	6.9	7.6	9.7	7.8	8.3	9.1	8.5	8.8
12	8.5	8.0	8.3	7.9	7.0	7.4	8.1	7.6	7.9	9.1	8.4	8.8
13	8.7	8.0	8.2	7.6	6.7	7.1	7.8	6.8	7.2	8.9	8.0	8.6
14	8.4	8.0	8.1	9.2	6.9	7.7	7.3	6.8	7.0	8.4	7.5	7.9
15	9.0	8.0	8.4	7.9	7.0	7.5	7.3	6.8	7.2	---	---	---
16	8.8	8.2	8.4	8.0	6.9	7.4	7.7	7.1	7.3	---	---	---
17	8.9	7.9	8.2	8.0	7.4	7.7	8.2	7.1	7.6	---	---	---
18	8.2	7.6	7.9	8.0	6.8	7.4	7.8	7.4	7.6	---	---	---
19	7.9	7.4	7.7	7.4	6.5	6.8	---	---	---	---	---	---
20	8.4	7.4	7.6	8.3	7.0	7.5	---	---	---	---	---	---
21	7.4	7.1	7.3	8.4	7.4	7.8	---	---	---	---	---	---
22	7.4	6.8	7.0	7.9	7.2	7.4	---	---	---	---	---	---
23	7.5	7.1	7.3	7.5	7.1	7.3	---	---	---	---	---	---
24	7.4	7.0	7.1	7.4	7.1	7.2	---	---	---	---	---	---
25	7.1	6.5	6.8	7.6	6.9	7.2	---	---	---	---	---	---
26	6.8	6.4	6.6	7.8	7.0	7.3	---	---	---	---	---	---
27	6.9	6.4	6.6	8.0	7.0	7.4	---	---	---	---	---	---
28	7.1	6.4	6.8	7.9	7.4	7.6	---	---	---	---	---	---
29	7.8	6.7	7.2	8.0	7.3	7.6	---	---	---	---	---	---
30	7.8	7.0	7.5	7.4	6.9	7.1	---	---	---	---	---	---
31	---	---	---	7.4	6.7	7.1	---	---	---	---	---	---
MONTH	10.2	6.4	8.2	9.2	6.5	7.4	9.9	5.1	7.4	9.6	7.5	8.4
PERIOD	10.2	5.1	7.8									

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

AUGUST 15, 1994



RECORDED HOURLY VALUES

CROSS SECTION VALUES

RECORDED DAILY VALUES

	1400	1500	1600
DO	7.2	7.2	7.1
WT	23.4	23.4	23.8

	Max	Min	Mean
DO	7.3	7.0	7.2
WT	23.6	23.5	23.6

	Max	Min	Mean
DO	7.3	6.8	7.2
WT	23.9	22.9	23.5

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: September 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.--Estimated daily discharges: Dec. 17-19 and Dec. 24 to Mar. 3. Records good except for periods of ice-effect, Dec. 17-19 and Dec. 24 to Mar. 3, 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, 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, 1.0 ft³/s, Aug. 16, 1914, Feb. 22 to Mar. 5, 1920.

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)
Apr. 17	0115	*1,940	*7.18	No other peak greater than base discharge			

Minimum discharge, 3.8 ft³/s, Sep. 22,23, gage height, 1.58 ft.

**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	7.9	58	191	e59	e87	e62	239	289	82	59	21	6.8
2	7.0	76	137	e58	e79	e58	264	283	73	46	16	6.8
3	9.4	56	119	e56	e72	e57	256	235	67	37	14	6.2
4	18	46	106	e55	e68	63	369	203	60	30	14	5.7
5	22	49	148	e59	e65	62	478	194	52	23	14	6.0
6	21	117	178	e55	e62	56	557	218	52	19	12	23
7	16	99	141	e52	e58	53	794	196	106	18	11	21
8	13	71	120	e51	e55	60	776	276	81	22	9.1	14
9	11	56	104	e56	e54	72	598	436	64	22	7.7	10
10	11	47	95	e51	e53	71	561	301	50	33	6.6	8.7
11	12	40	320	e49	e51	93	622	232	42	31	5.7	7.7
12	12	37	341	e48	e49	84	670	229	39	21	5.0	7.0
13	70	33	240	e49	e48	77	769	252	62	17	4.6	6.6
14	56	32	195	e49	e48	74	1130	205	82	14	5.9	6.5
15	35	32	237	e52	e47	80	1180	172	79	12	7.9	6.2
16	26	33	211	e48	e47	100	1390	176	59	12	6.4	5.8
17	22	31	e159	e47	e46	103	1550	271	46	11	5.0	6.1
18	22	45	e128	e48	e45	96	963	229	42	9.8	7.2	6.1
19	21	56	e116	e56	e44	91	648	190	41	9.9	23	5.3
20	19	174	111	e52	e46	86	539	162	32	12	19	4.6
21	19	135	207	e50	e69	82	488	143	27	10	20	4.3
22	46	99	779	e48	e95	84	402	124	28	11	64	4.1
23	38	80	429	e47	e88	123	342	116	24	29	38	5.4
24	29	69	e255	e45	e81	175	337	107	20	21	26	142
25	24	54	e180	e44	e80	213	339	105	21	20	20	116
26	20	45	e118	e44	e73	254	457	126	45	40	16	77
27	19	43	e88	e43	e69	241	692	176	43	27	13	55
28	19	135	e75	e46	e65	226	544	144	117	22	11	54
29	18	704	e68	e86	---	230	383	121	89	28	9.4	54
30	17	309	e64	e101	---	216	306	107	61	22	7.8	47
31	23	---	e61	e97	---	216	---	96	---	23	6.8	---
TOTAL	703.3	2861	5721	1701	1744	3558	18643	6114	1686	711.7	447.1	728.9
MEAN	22.7	95.4	185	54.9	62.3	115	621	197	56.2	23.0	14.4	24.3
MAX	70	704	779	101	95	254	1550	436	117	59	64	142
MIN	7.0	31	61	43	44	53	239	96	20	9.8	4.6	4.1
CFSM	.31	1.30	2.51	.75	.85	1.56	8.45	2.68	.76	.31	.20	.33
IN.	.36	1.45	2.90	.86	.88	1.80	9.44	3.09	.85	.36	.23	.37

e Estimated

01057000 LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME—Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	77.2	139	129	87.0	82.4	207	473	218	108	49.2	39.1	41.4
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	183	63.1	16.7	6.45	4.28	2.72
(WY)	1948	1953	1923	1948	1920	1940	1981	1941	1964	1991	1949	1978

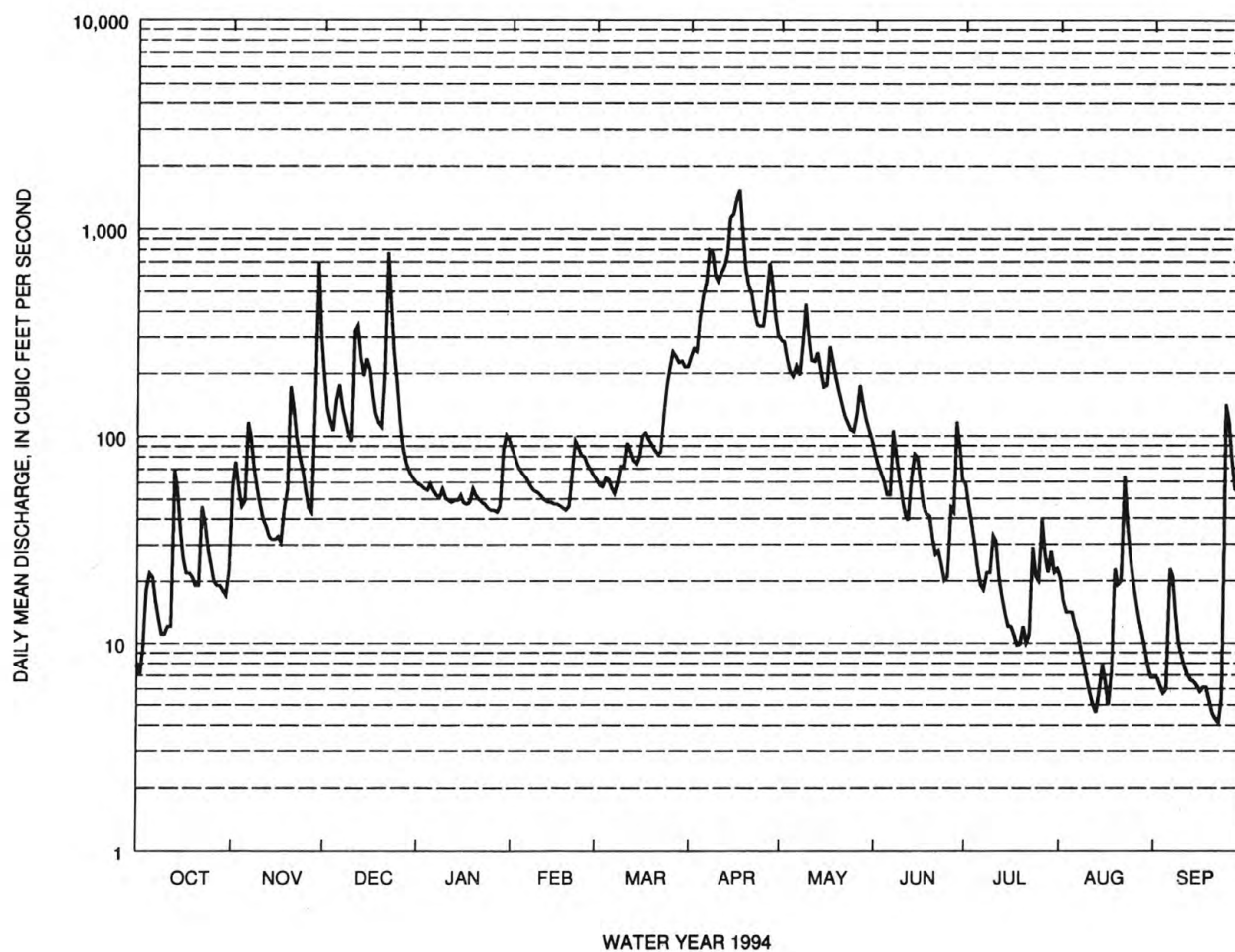
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1914 - 1994

ANNUAL TOTAL	41701.3	44619.0	
ANNUAL MEAN	114	122	138
HIGHEST ANNUAL MEAN			219
LOWEST ANNUAL MEAN			62.9
			1973
			1965
HIGHEST DAILY MEAN	2630	Apr 11	1550
LOWEST DAILY MEAN	3.3	Sep 16	4.1
ANNUAL SEVEN-DAY MINIMUM	3.6	Sep 16	5.1
			Sep 17
INSTANTANEOUS PEAK FLOW			1940
INSTANTANEOUS PEAK STAGE			7.18
INSTANTANEOUS LOW FLOW			3.8
			Sep 22
			1987
			1987
			1914
ANNUAL RUNOFF (CFSM)	1.55	1.66	1.87
ANNUAL RUNOFF (INCHES)	21.11	22.58	25.45
10 PERCENT EXCEEDS	248	285	335
50 PERCENT EXCEEDS	32	56	63
90 PERCENT EXCEEDS	4.2	9.6	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.--Estimated daily discharges: Jan. 15-25. Records excellent, except for period of doubtful gage-height record, Jan. 15-25, which is good. Considerable diurnal fluctuation and some regulation by powerplants above station. Flow regulated by Rangeley, Mooselookmeguntic, Richardson, Aziscohos, Umbagog, Auburn, and Thompson Lakes and Gulf Island Pond (Reservoirs in Androscoggin River Basin) with major regulation at Errol Dam 136 mi upstream. Telephone and satellite gage-height telemeter 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, 40,100 ft³/s, Apr. 17, gage height, 12.39 ft; minimum daily discharge, 1,450 ft³/s, Aug. 28.

**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	3290	3400	9750	3220	4350	3990	7640	17300	7250	5250	2820	2600
2	2850	3580	7680	3550	3780	3930	6690	18100	6630	3160	2700	2580
3	2050	3660	6370	4490	4360	3900	7020	17000	5920	3640	2680	1480
4	2590	3520	4750	4640	3840	3920	9180	14700	5600	4240	2820	1500
5	3020	3830	4960	4020	3120	3890	11000	13000	5300	3780	2930	1590
6	3320	3770	4960	3700	3050	3290	13400	11700	4960	3860	1730	2310
7	3510	4130	5150	3400	3650	4250	15800	11500	5120	3620	1680	2600
8	3120	5750	5710	3110	4280	4530	21000	11500	5350	3630	2460	2680
9	2930	5320	4630	2540	4040	4570	18100	16800	5790	3430	2800	2570
10	1710	4370	4410	3480	3870	4700	16000	15400	5730	3390	2660	2060
11	2590	3480	6560	3340	3820	4870	16000	12500	5520	4460	3300	1980
12	2850	4090	8050	3210	2790	4220	16800	11600	4710	5120	2780	2500
13	3690	2180	8720	3750	2030	3010	17600	11400	4350	4750	1660	2690
14	3550	1680	7230	3650	3610	5260	22100	11600	5430	4720	1500	2930
15	3670	3270	6420	e2750	4250	5050	27300	9860	5400	4360	2560	2640
16	2980	3660	7770	e2570	3710	5370	30600	10600	5190	1840	2560	2830
17	2370	3970	6830	e3100	3720	5440	37900	10100	5310	1560	2610	1580
18	3100	4150	6550	e3560	3730	5390	36200	11300	3970	3420	3340	1800
19	3190	4210	5600	e3270	2430	4520	30300	11000	2560	2710	3130	2770
20	3190	4190	4680	e3220	2390	4050	25300	10100	4420	3080	1760	2490
21	3200	3980	6560	e2970	5200	5050	19500	10100	3760	4040	1620	2450
22	3070	4900	11900	e1940	4130	5780	16800	9890	3090	2960	3310	2620
23	2380	4610	13000	e1830	4530	7320	14300	8580	3310	1550	3290	2200
24	3030	4550	9060	e3510	4640	6250	13000	7930	3270	1740	4070	3550
25	3860	3580	7120	e3510	4570	7310	13400	7590	3720	3170	3270	5450
26	3400	3370	5220	3960	4520	6480	14600	7300	2390	3010	3060	6150
27	3370	1570	5410	3950	3820	7510	18900	8540	3490	3560	1640	4140
28	3370	2530	3860	4030	3920	7500	23100	9280	4030	4190	1450	3390
29	3180	16800	2960	2980	---	7560	23000	9260	5140	4310	2740	4270
30	2670	16700	4740	2870	---	7560	20700	8360	5290	1800	2360	4770
31	1520	---	4740	3780	---	7550	---	7410	---	1550	2550	---
TOTAL	92620	138800	201350	103900	106150	164020	563230	351300	142000	105900	79840	85170
MEAN	2988	4627	6495	3352	3791	5291	18770	11330	4733	3416	2575	2839
MAX	3860	16800	13000	4640	5200	7560	37900	18100	7250	5250	4070	6150
MIN	1520	1570	2960	1830	2030	3010	6690	7300	2390	1550	1450	1480

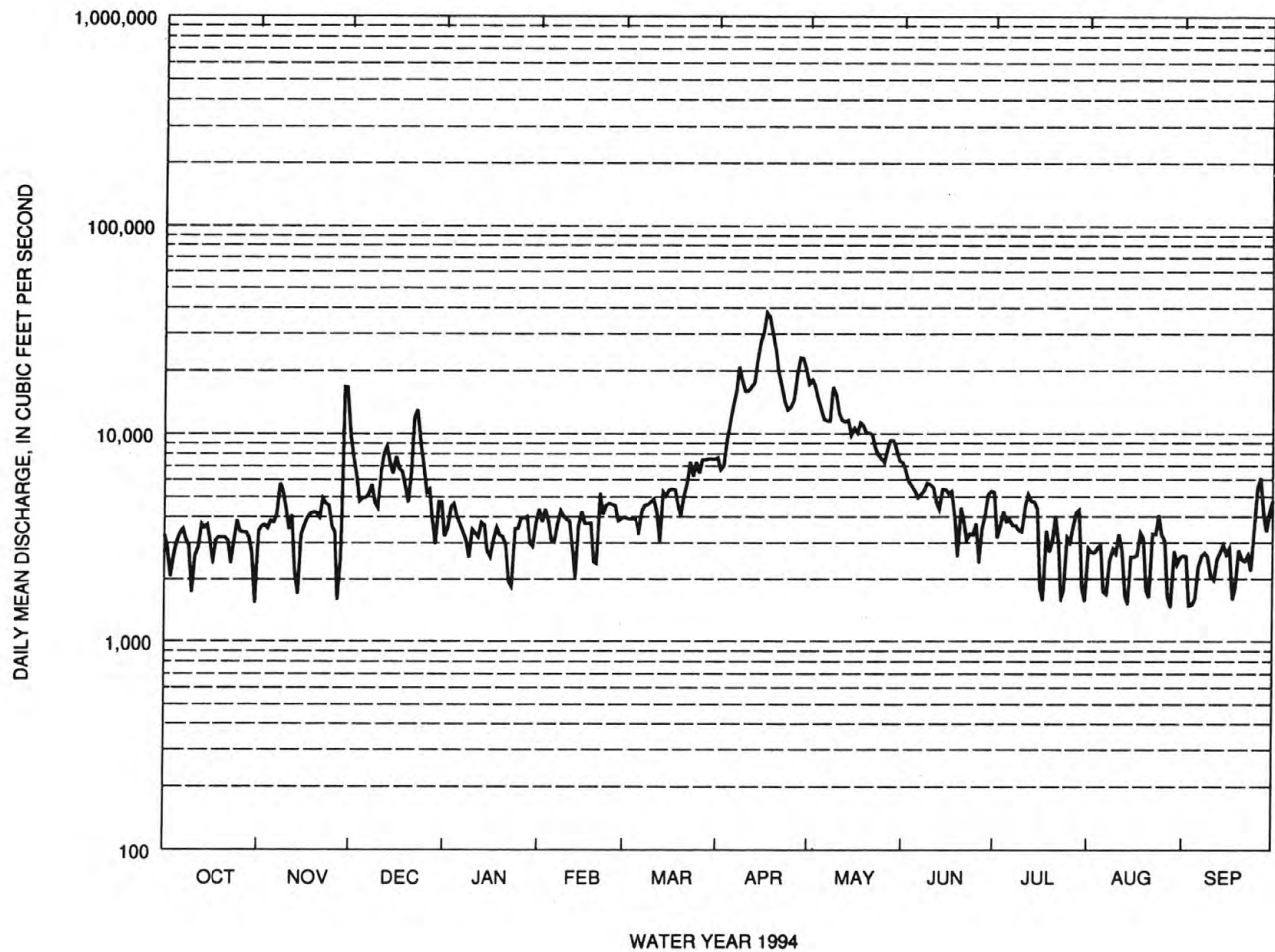
e Estimated

01059000 ANDROSCOGGIN RIVER NEAR AUBURN, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4114	5542	5260	4431	4345	7171	15320	11740	5807	3507	3120	3221
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	6526	3688	2518	2039	1895	1749
(WY)	1942	1953	1979	1948	1948	1940	1965	1941	1941	1965	1941	1941

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1929 - 1994	
ANNUAL TOTAL	1977570		2134280			
ANNUAL MEAN	5418		5847		6132	
HIGHEST ANNUAL MEAN					9444	
LOWEST ANNUAL MEAN					3500	
					1974	
HIGHEST DAILY MEAN	51000		37900		114000	
LOWEST DAILY MEAN	1520		1450		340	
ANNUAL SEVEN-DAY MINIMUM	1730		2090		1390	
					Sep 10 1989	
INSTANTANEOUS PEAK FLOW			40100		135000	
INSTANTANEOUS PEAK STAGE			12.39		27.57	
					Mar 20 1936	
10 PERCENT EXCEEDS	9470		12100		13000	
50 PERCENT EXCEEDS	3370		3970		4160	
90 PERCENT EXCEEDS	1890		2390		1980	



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.--Water years 1988 to current year.

PERIOD OF DAILY RECORD. - -

pH: Seasonal records August 1988 to current year.

DISSOLVED OXYGEN: Seasonal records August 1988 to current year.

DISSOLVED OXYGEN: Seasonal records August 1988 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD. - -

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, 5.3 mg/L, July 24, 1991.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	63	59	60	107	103	105	120	118	119	130	126	128
2	61	60	60	106	103	105	123	119	121	130	128	129
3	62	58	60	106	101	103	124	120	121	130	128	129
4	62	60	61	103	100	102	121	118	120	128	128	128
5	64	61	63	102	97	100	119	116	118	133	126	129
6	70	64	66	100	94	97	118	116	117	129	125	126
7	70	66	68	97	93	95	119	115	117	130	128	129
8	71	69	70	98	93	95	118	114	116	138	130	134
9	80	71	74	96	93	95	117	113	116	143	137	141
10	81	77	79	97	93	95	116	114	115	149	141	146
11	84	80	82	96	94	95	119	115	117	149	145	147
12	84	80	82	98	96	97	120	118	119	145	143	144
13	84	80	82	101	97	100	121	118	120	146	141	144
14	80	76	78	103	100	102	122	120	121	148	142	145
15	78	76	77	104	101	102	128	122	124	150	147	149
16	79	77	78	105	102	103	128	124	127	151	148	149
17	82	77	80	103	101	102	126	124	125	150	148	149
18	82	81	82	102	99	100	132	124	126	149	147	148
19	86	82	85	101	97	99	125	124	125	150	149	149
20	85	83	84	98	94	97	126	125	126	151	147	150
21	88	84	86	---	---	---	128	126	127	151	149	150
22	89	87	88	---	---	---	130	126	128	150	147	148
23	90	87	89	105	102	103	128	124	127	149	135	145
24	92	89	91	104	102	103	128	124	127	135	125	128
25	93	91	92	105	104	105	130	126	129	134	132	133
26	94	92	94	110	105	107	131	125	129	135	132	133
27	100	94	96	111	109	110	129	125	127	137	132	134
28	109	100	104	116	110	113	129	127	127	139	134	137
29	110	104	107	117	115	116	127	123	125	139	135	137
30	106	104	105	120	117	119	126	123	125	137	129	132
31	---	---	---	120	119	120	127	123	126	---	---	---
MONTH PERIOD	110 151	58 58	81 112	120	93	103	132	113	123	151	125	139

PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

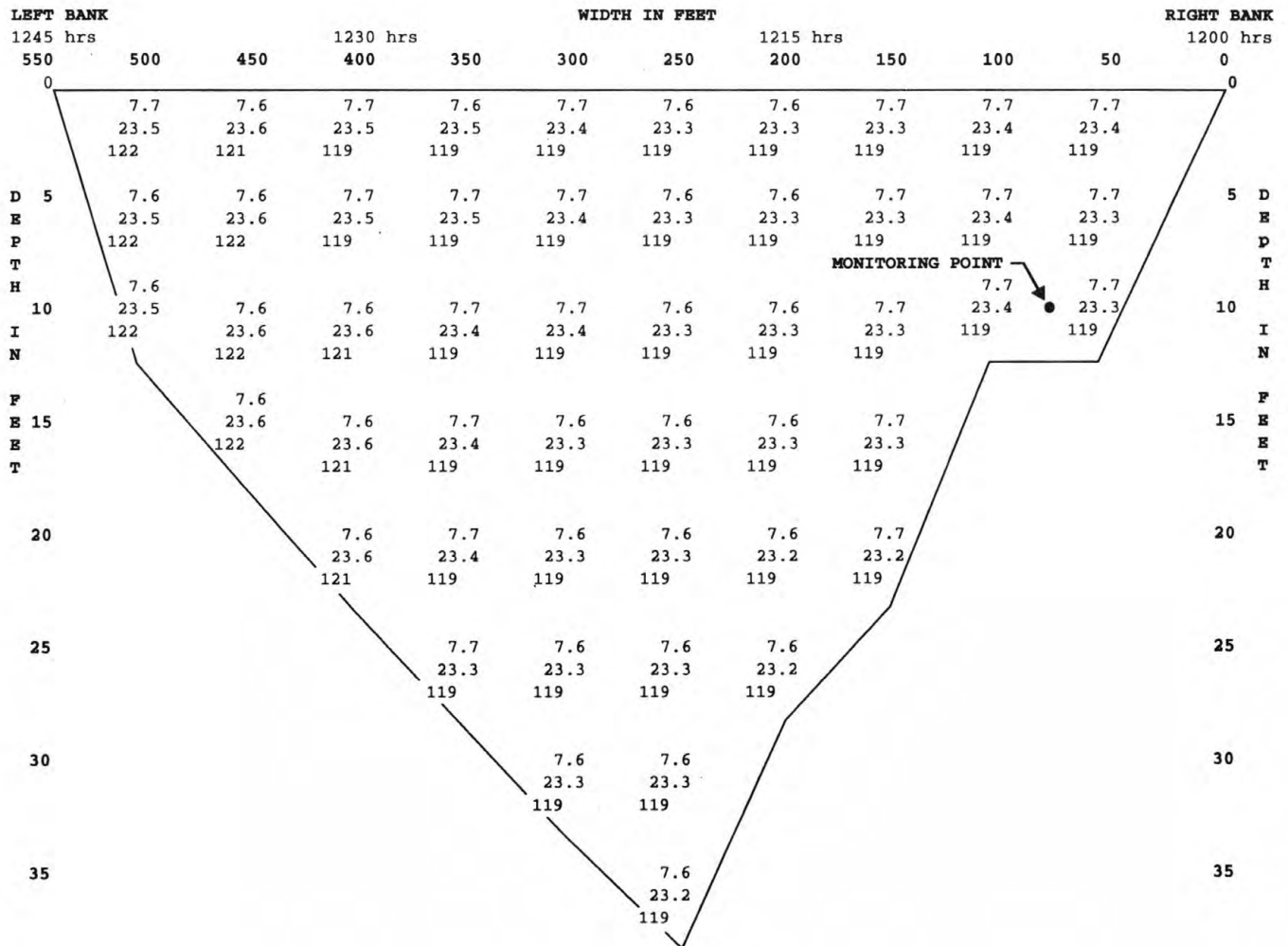
WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	16.0	14.5	15.5	24.0	23.0	23.5	27.0	26.0	26.5	21.5	21.0	21.5
2	16.5	15.5	16.0	24.5	23.5	24.0	27.0	26.0	26.5	21.5	20.5	21.0
3	17.0	16.5	16.5	24.5	24.0	24.0	26.5	26.0	26.5	21.5	20.5	21.0
4	17.5	16.5	17.0	24.5	24.0	24.5	27.0	26.0	26.5	21.0	20.5	20.5
5	17.5	17.0	17.5	24.5	24.0	24.0	26.5	25.0	26.0	20.5	18.5	19.5
6	17.5	17.0	17.5	24.5	24.0	24.0	25.5	24.5	25.0	19.0	18.5	19.0
7	18.0	17.5	17.5	25.0	24.5	24.5	26.0	24.5	25.0	19.5	18.5	19.0
8	19.0	18.0	18.5	25.0	24.5	24.5	25.5	24.5	25.0	19.5	19.0	19.5
9	19.0	18.5	19.0	25.0	24.0	24.5	25.5	25.0	25.0	19.0	18.5	18.5
10	19.5	18.5	19.0	25.0	24.0	24.5	25.5	25.0	25.0	19.0	18.0	18.5
11	20.0	19.5	19.5	25.0	24.5	25.0	25.0	24.0	24.5	18.5	17.5	18.0
12	19.5	19.0	19.0	25.5	25.0	25.0	25.0	24.0	24.5	18.5	18.0	18.0
13	20.0	19.0	19.5	25.5	24.5	25.0	24.5	24.5	24.5	19.0	18.5	18.5
14	20.0	19.5	20.0	25.5	24.5	25.0	24.5	24.0	24.0	19.0	18.5	18.5
15	21.0	19.5	20.5	25.5	25.0	25.0	24.0	23.5	23.5	19.0	18.5	18.5
16	21.5	21.0	21.0	26.0	24.5	25.0	24.0	23.0	23.5	18.5	18.0	18.5
17	22.5	21.0	21.5	26.0	25.0	25.5	24.0	23.5	24.0	19.0	18.0	18.5
18	23.0	22.0	22.5	25.0	25.0	25.0	23.5	23.0	23.5	19.0	18.0	18.5
19	23.5	22.5	23.0	25.0	24.5	25.0	23.5	22.5	23.0	18.5	18.0	18.0
20	24.0	23.0	23.5	26.0	25.0	25.5	24.0	23.0	23.5	18.5	18.0	18.5
21	23.5	23.0	23.5	---	---	---	24.0	23.0	23.5	19.0	18.0	18.5
22	24.0	23.0	23.5	---	---	---	23.0	22.5	23.0	19.0	18.0	18.5
23	24.5	23.5	24.0	26.5	25.5	26.0	23.0	22.0	22.5	18.5	17.5	18.0
24	24.0	23.5	24.0	26.5	25.0	26.0	23.0	22.5	22.5	17.5	17.0	17.5
25	24.0	23.0	23.5	26.0	25.5	26.0	23.0	22.5	22.5	17.5	17.5	17.5
26	24.0	23.0	23.5	26.5	25.5	26.0	23.0	22.5	22.5	18.0	17.5	17.5
27	24.5	23.5	23.5	26.5	26.0	26.0	23.0	22.5	22.5	17.5	17.5	17.5
28	23.5	23.0	23.0	26.5	26.0	26.5	23.0	22.0	22.5	17.5	17.0	17.5
29	23.5	23.0	23.0	27.0	26.0	26.5	23.0	22.0	22.5	17.5	17.5	17.5
30	23.5	23.0	23.5	27.0	26.0	26.5	22.5	22.0	22.5	17.5	17.0	17.0
31	---	---	---	27.5	26.0	26.5	22.0	21.5	22.0	---	---	---
MONTH PERIOD	24.5 27.5	14.5 14.5	20.5 22.0	27.5	23.0	25.0	27.0	21.5	24.0	21.5	17.0	18.5

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)

AUGUST 15, 1994



DAILY MEAN DISCHARGE

2,560 ft³/s

RECORDED HOURLY VALUES

	1100	1200	1300
DO	7.4	7.3	7.2
WT	23.5	23.6	23.7
SC	123	123	123

CROSS SECTION VALUES

	Max	Min	Mean
DO	7.7	7.6	7.6
WT	23.6	23.2	23.4
SC	122	119	120

RECORDED DAILY VALUES

	Max	Min	Mean
DO	7.5	6.8	7.1
WT	23.9	23.3	23.6
SC	128	122	124

Reservoirs in Androscoggin River Basin

- 01050500 RANGELEY LAKE on Rangeley Stream, at Oquossoc, Maine, used for power, has usable capacity of 1,339,200,000 ft³ in top 4.0 ft of lake (top of flashboards). Records furnished by Union Water Power Co.
- 01051000 MOOSELOOKMEGUNTIC LAKE at Upper Dam, in Richardson Township, Maine, used for power, has usable capacity of 8,370,000,000 ft³ between gage heights 8.3 ft and 20.5 ft. Records furnished by Union Water Power Co.
- 01051500 UPPER AND LOWER RICHARDSON LAKES on Rapid River, at Middle Dam, Maine, used for power, has usable capacity of 5,691,500,000 ft³ between gage heights 3.0 ft and 20.5 ft. Records furnished by Union Water Power Co.
- 01052000 AZISCOHOS LAKE on Magalloway River in Lincoln Township, 3 mi east of village of Wilsons Mills, Maine, completed in 1911 for power, has usable capacity of 9,593,000,000 ft³ between elevations 1,490.0 ft and 1,535.0 ft. Records furnished by Union Water Power Co.
- 01053000 UMBAGOG LAKE on Androscoggin River at Errol Dam, 0.6 mi northeast of Errol, NH, used for power, has usable capacity of 3,080,160,000 ft³ between gage heights 5.5 ft and 15.0 ft. Records furnished by Union Water Power Co.
- 01056000 GULF ISLAND POND on Androscoggin River, 3 mi upstream from Lewiston, Maine, completed in 1928 for power, has capacity of 1,100,000,000 ft³ in top 10 ft of pond below elevation 262.0 ft. Records furnished by Central Maine Power Co.
- 01056500 LAKE AUBURN on outlet stream to Androscoggin River at East Auburn, Maine, used for storing water supply of Auburn and Lewiston, has usable capacity of 580,000,000 ft³ between elevations 254.7 ft and 260.7 ft. Records furnished by Auburn Water District.
- 01058000 THOMPSON LAKE on short outlet stream to Little Androscoggin River at Oxford, Maine, used for process water, has usable capacity of 950,000,000 ft³ between gage heights 95.0 ft and 100.0 ft. Records furnished by Robinson Manufacturing Co.

MONTHEND CONTENTS, IN MILLIONS OF CUBIC FEET, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

Date	Rangeley Lake	Mooselookmeguntic Lake	Upper and Lower Richardson Lakes	Aziscohos Lake
SEPT. 30, 1993	880	4,746	3,603	6,296
OCT. 31. . . .	780	4,096	3,492	5,644
NOV. 30. . . .	947	4,608	3,622	5,150
DEC. 31. . . .	1,054	5,266	4,195	4,385
JAN. 31, 1994	616	4,368	3,677	3,686
FEB. 28. . . .	345	2,804	2,886	2,968
MAR. 31. . . .	100	1,366	1,662	2,654
APR. 30. . . .	1,122	6,225	4,047	6,800
MAY 31. . . .	1,326	8,226	5,538	9,670
JUNE 30. . . .	1,356	7,974	5,237	9,162
JULY 31. . . .	1,265	7,152	4,528	8,440
AUG. 31. . . .	1,155	5,586	4,250	7,220
SEPT. 30. . . .	971	5,056	3,770	6,142

Date	Umbagog Lake	Gulf Island Pond	Lake Auburn	Thompson Lake
SEPT. 30, 1993	2,243	2,431	342	1,727
OCT. 31. . . .	2,378	2,424	310	1,670
NOV. 30. . . .	2,710	2,459	310	1,710
DEC. 31. . . .	2,924	2,266	430	1,774
JAN. 31, 1994	2,690	2,369	463	1,742
FEB. 28. . . .	2,167	2,362	485	1,757
MAR. 31. . . .	1,506	2,261	580	1,947
APR. 30. . . .	2,846	2,421	592	1,997
MAY 31. . . .	2,788	2,464	640	1,934
JUNE 30. . . .	2,807	2,400	592	1,936
JULY 31. . . .	2,690	2,366	544	1,900
AUG. 31. . . .	2,300	2,389	485	1,852
SEPT. 30. . . .	2,205	2,373	496	1,805

NOTE.--Contents of Thompson Lake based on weekly gage-height readings. Contents of Gulf Island Pond at 2400 and Lake Auburn at 0800. Contents of all others at 0700 on first day of following month.



Chain Gage on Passadumkeag River at Lowell
1915

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.--Estimated daily discharges: Dec. 26 to Feb. 14 and Feb. 25 to Mar. 3. Records good except for periods of ice effect, Dec. 26 to Feb. 14 and Feb. 25 to Mar. 3, 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. 22	0115	2,270	4.05	Mar. 23	2230	*2,800	*4.46

Minimum daily discharge, 26 ft³/s, Aug. 13.

**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	49	150	315	e129	e304	e161	1020	328	137	55	42	32
2	44	214	192	e124	e274	e150	1010	464	135	52	40	33
3	43	167	175	e119	e230	e142	870	370	127	47	38	35
4	51	128	155	e116	e195	141	1180	281	112	43	38	34
5	57	122	388	e113	e169	131	1160	329	102	40	39	40
6	54	202	653	e110	e153	120	998	591	109	40	41	53
7	50	200	397	e107	e142	116	1140	435	120	46	40	67
8	46	136	269	e104	e135	175	1100	692	109	48	37	52
9	44	106	205	e101	e125	263	803	1250	89	47	34	44
10	40	89	170	e99	e121	339	651	706	77	48	31	42
11	38	80	615	e97	e119	517	720	422	69	60	29	39
12	37	74	1000	e95	e118	500	601	345	68	51	27	37
13	87	70	533	e94	e115	424	572	356	87	45	26	34
14	126	68	362	e93	e112	357	1350	312	100	39	28	32
15	77	69	344	e92	110	331	1100	257	116	36	29	32
16	64	68	296	e91	108	408	838	261	100	100	29	32
17	56	67	231	e108	103	497	985	490	80	92	28	32
18	52	110	170	e117	102	478	705	439	71	61	40	31
19	48	146	176	e102	99	449	489	327	67	51	94	31
20	47	412	157	e94	111	434	405	264	58	47	72	31
21	50	357	684	e89	170	436	348	223	55	44	56	29
22	73	210	2120	e86	283	1070	306	198	54	42	92	28
23	82	150	1310	e85	279	2410	274	177	54	40	88	46
24	65	122	652	e84	259	2630	252	161	50	41	60	884
25	58	101	377	e83	e230	2290	238	209	50	48	49	821
26	52	76	e200	e82	e203	1960	298	356	63	47	44	352
27	49	80	e178	e81	e182	1640	726	319	69	51	41	204
28	54	164	e162	e102	e169	1340	562	280	59	54	38	211
29	55	930	e152	e249	---	1230	385	214	56	52	36	231
30	57	628	e142	e369	---	1010	308	176	57	52	34	171
31	78	---	e135	e333	---	1000	---	154	---	47	31	---
TOTAL	1783	5496	12915	3748	4720	23149	21394	11386	2500	1566	1351	3740
MEAN	57.5	183	417	121	169	747	713	367	83.3	50.5	43.6	125
MAX	126	930	2120	369	304	2630	1350	1250	137	100	94	884
MIN	37	67	135	81	99	116	238	154	50	36	26	28
CFSM	.41	1.30	2.95	.86	1.20	5.30	5.06	2.60	.59	.36	.31	.88
IN.	.47	1.45	3.41	.99	1.25	6.11	5.64	3.00	.66	.41	.36	.99

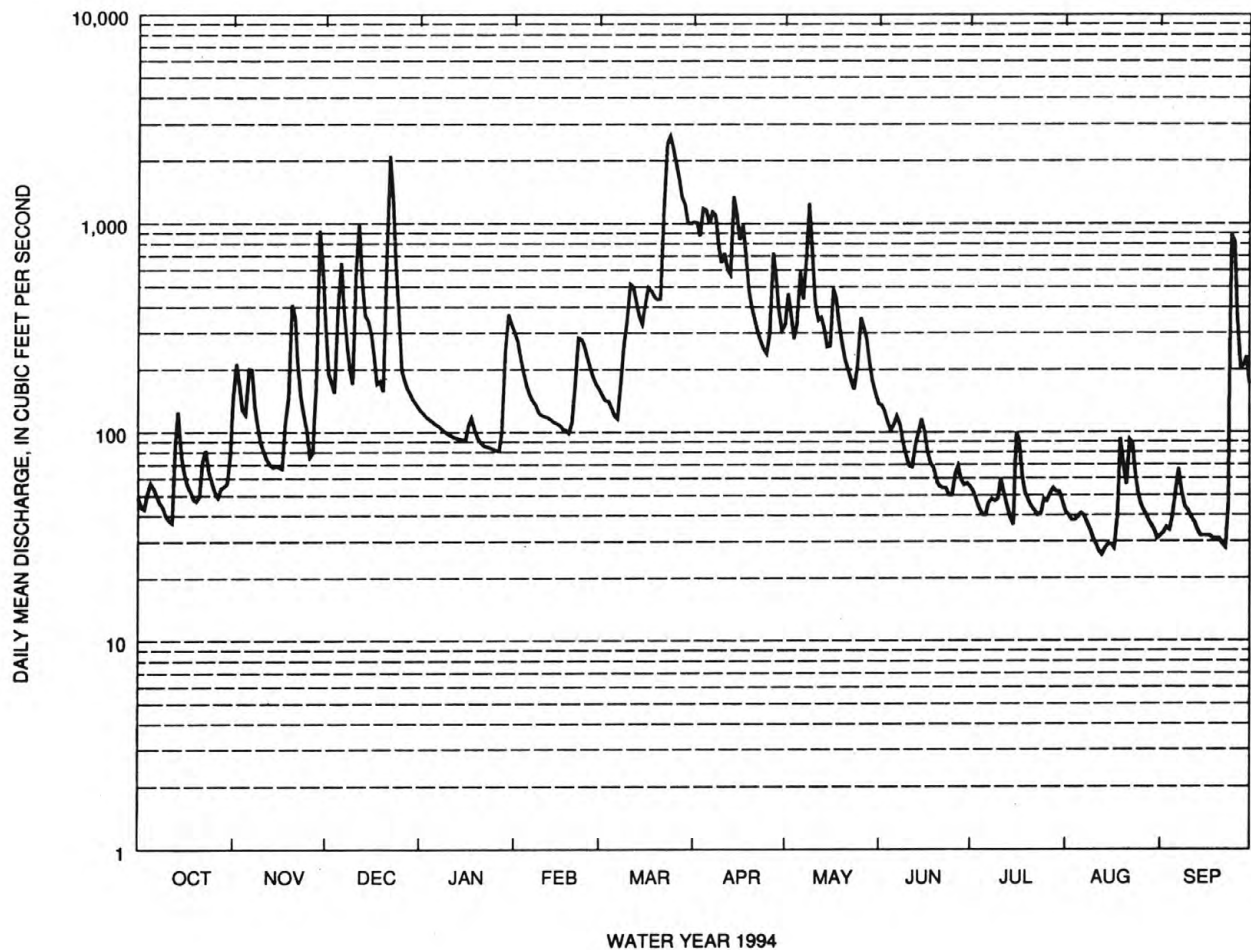
e Estimated

01060000 ROYAL RIVER AT YARMOUTH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	132	319	307	221	232	550	768	327	181	85.7	79.3	83.5
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1950 - 1994	
ANNUAL TOTAL	86991		93748			
ANNUAL MEAN	238		257		273	
HIGHEST ANNUAL MEAN					480	
LOWEST ANNUAL MEAN					132	
					1984	
HIGHEST DAILY MEAN	4460		Apr 13	2630	Mar 24	9980
LOWEST DAILY MEAN	26		Aug 31	26	Aug 13	5.7
ANNUAL SEVEN-DAY MINIMUM	27		Sep 17	28	Aug 11	17
						Sep 24 1965
INSTANTANEOUS PEAK FLOW				2800	Mar 23	11500
INSTANTANEOUS PEAK STAGE				4.46	Mar 23	8.46
						Mar 13 1977
ANNUAL RUNOFF (CFSM)	1.69			1.82		1.94
ANNUAL RUNOFF (INCHES)	22.95			24.73		26.35
10 PERCENT EXCEEDS	620			665		637
50 PERCENT EXCEEDS	73			113		120
90 PERCENT EXCEEDS	35			39		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. Water wasted at rare intervals 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 40 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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	334	337	665	985	856	844	338	845	985	665	599	333
2	334	337	665	985	856	844	338	830	985	665	599	333
3	334	337	665	668	856	844	338	845	985	665	599	333
4	338	337	665	680	856	844	338	845	998	665	599	333
5	338	337	665	680	844	844	338	845	998	665	599	333
6	338	337	665	680	844	844	338	845	675	665	599	333
7	338	337	665	680	856	844	338	845	675	665	599	333
8	338	337	665	680	856	844	845	845	675	665	334	333
9	338	327	665	680	856	844	845	994	675	665	334	333
10	338	327	665	680	856	844	845	1010	675	327	334	333
11	293	327	672	680	856	844	845	1010	675	327	334	333
12	293	327	672	680	856	844	845	1990	662	327	334	333
13	293	327	672	680	856	844	845	2000	662	327	334	333
14	293	327	672	680	856	844	845	2000	675	327	334	333
15	298	327	672	680	844	844	845	2000	662	327	334	333
16	298	327	672	680	844	844	845	50	675	327	334	333
17	298	327	844	680	844	844	845	50	675	327	334	349
18	298	327	856	680	844	844	845	50	675	327	334	335
19	298	327	856	680	844	844	830	985	675	327	334	331
20	298	327	856	680	844	844	845	985	675	327	334	331
21	298	327	856	680	844	844	845	998	675	327	334	331
22	298	665	856	680	844	844	845	998	675	327	334	331
23	298	665	998	680	844	844	830	998	675	327	334	331
24	298	665	998	680	844	844	830	998	675	327	334	331
25	338	665	998	856	844	844	830	998	675	558	334	331
26	338	665	998	856	844	844	845	998	675	497	334	331
27	338	665	998	856	844	844	845	998	675	497	334	331
28	338	665	998	856	844	844	845	998	675	497	334	331
29	338	665	998	856	---	365	845	998	675	497	334	331
30	338	665	998	856	---	365	845	985	675	497	334	331
31	338	---	998	856	---	352	---	985	---	497	334	---
TOTAL	9886	12932	24788	22910	23776	24714	21741	30821	21787	14430	12209	9984
MEAN	319	431	800	739	849	797	725	994	726	465	394	333
MAX	338	665	998	985	856	844	845	2000	998	665	599	349
MIN	293	327	665	668	844	352	338	50	662	327	334	331

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1902 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	581	579	597	625	657	617	760	782	713	573	602	584
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

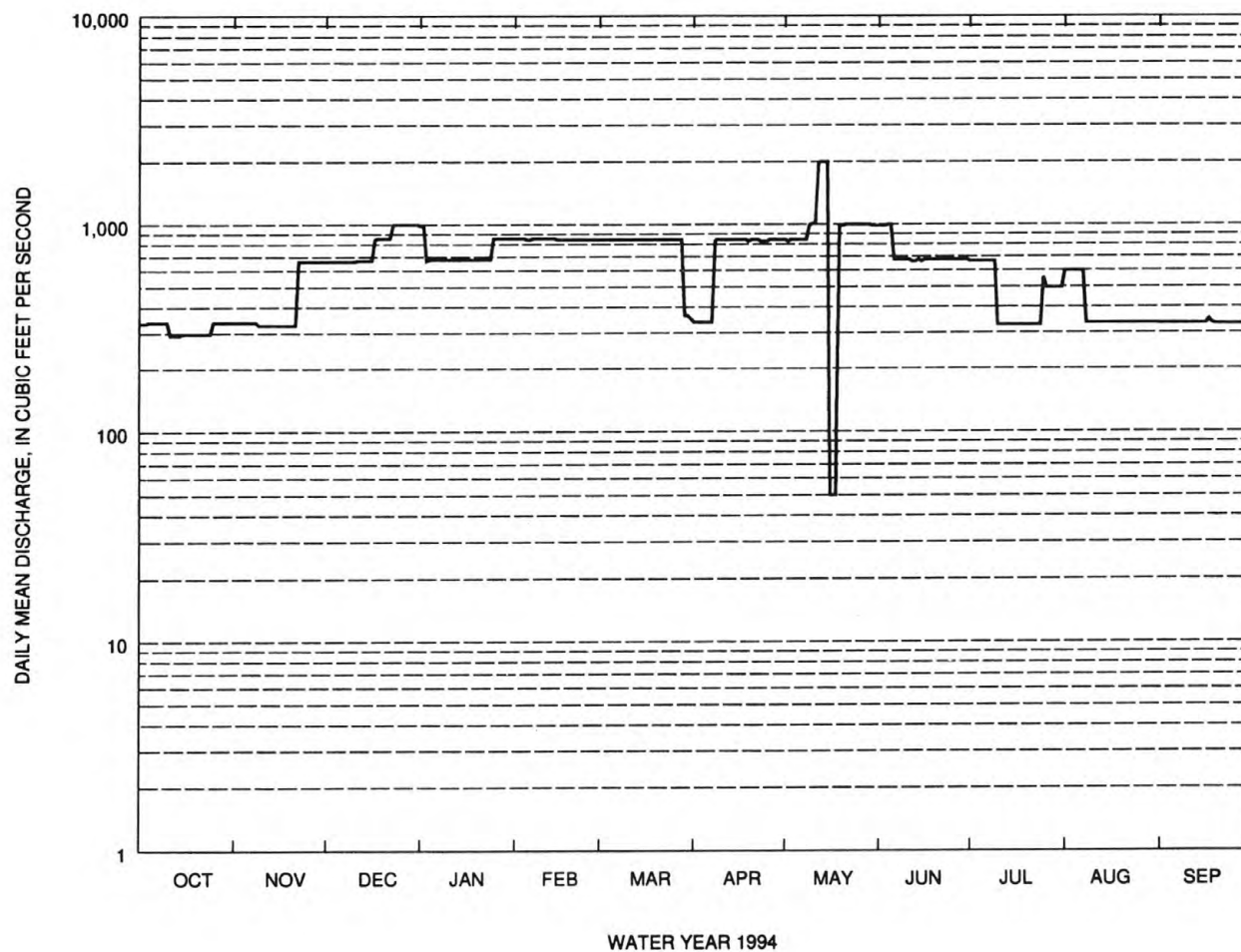
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1902 - 1994

ANNUAL TOTAL	184162	229978	
ANNUAL MEAN	505	630	639
HIGHEST ANNUAL MEAN			1091
LOWEST ANNUAL MEAN			298
			1984
			1985
HIGHEST DAILY MEAN	1650	Apr 28	2000
LOWEST DAILY MEAN	50	Apr 13	50
ANNUAL SEVEN-DAY MINIMUM	295	Oct 11	295
			May 13
			May 16
			Oct 11
			7000
			Apr 7 1902
			.00
			Jan 31 1904
			.00
			Jun 30 1957
10 PERCENT EXCEEDS	850	908	841
50 PERCENT EXCEEDS	338	672	644
90 PERCENT EXCEEDS	325	327	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 owned bridge.

DRAINAGE AREA.--577 mi².

PERIOD OF RECORD.--October 1975 to current year. 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.--Estimated daily discharges: Oct. 1-29, Jan. 6,17,20,21,23,26,27, Feb. 3-7, Mar. 1,2,30, May 4-9, June 15, June 26 to July 11, and July 25 to Sept. 22. 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, 3,720 ft³/s, Dec. 22, gage height, 14.85; minimum daily, 329 ft³/s, Oct. 12.

**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	e381	678	976	1210	1120	e999	1440	1140	1160	e718	e640	e364
2	e376	705	852	1210	1070	e989	1400	1270	1140	e715	e638	e365
3	e375	597	886	1100	998	1040	1260	1110	1120	e710	e636	e367
4	e387	584	868	758	914	1030	1500	e1120	1110	e706	e636	e366
5	e393	587	1290	879	893	1010	1360	e1160	1100	e704	e637	e372
6	e390	537	1340	e870	927	960	1110	e1420	997	e704	e639	e384
7	e386	506	1100	859	941	963	1240	e1260	756	e709	e638	e398
8	e382	497	1010	867	980	1070	1630	e1510	706	e711	e370	e383
9	e380	474	896	885	990	1150	1430	e2200	700	e710	e367	e375
10	e377	480	868	881	1030	1260	1440	1520	658	e373	e364	e374
11	e330	471	1320	860	977	1480	1560	1380	673	e385	e362	e371
12	e329	461	1420	856	947	1380	1390	1510	660	386	e360	e369
13	e377	409	1140	868	951	1310	1440	2180	691	381	e359	e366
14	e469	406	1100	868	953	1280	2030	2100	698	359	e361	e364
15	e372	484	1030	860	954	1300	1630	2080	e685	334	e362	e364
16	e360	471	1060	879	945	1450	1480	1300	681	359	e362	e364
17	e352	470	1080	e860	935	1530	1580	677	706	399	e361	e380
18	e348	557	1070	836	938	1440	1430	644	662	397	e373	e365
19	e344	592	1090	830	944	1400	1330	1490	717	397	e425	e361
20	e343	875	1060	e840	963	1410	1240	1360	703	394	e403	e361
21	e346	635	1860	e860	1080	1410	1180	1310	716	395	e388	e359
22	e368	675	3030	884	1210	2370	1070	1260	712	387	e423	e358
23	e377	950	1790	e870	1150	3160	1030	1220	707	392	e419	634
24	e361	908	1480	856	1120	2660	1050	1190	711	392	e392	1540
25	e394	855	1470	985	1060	2370	995	1260	707	e604	e381	973
26	e388	821	1370	e990	1000	2180	1120	1360	e736	e542	e376	680
27	e385	764	1280	e1000	979	1980	1340	1330	e742	e546	e374	544
28	e390	831	1280	1060	1010	2020	1220	1260	e732	e549	e371	587
29	e391	1540	1270	1200	---	1760	1140	1220	e729	e547	e369	623
30	442	1180	1260	1250	---	e1340	1050	1190	e730	e547	e367	541
31	571	---	1220	1170	---	1380	---	1160	---	e542	e364	---
TOTAL	11864	20000	38766	29201	27979	47081	40115	42191	23545	15994	13517	14252
MEAN	383	667	1251	942	999	1519	1337	1361	785	516	436	475
MAX	571	1540	3030	1250	1210	3160	2030	2200	1160	718	640	1540
MIN	329	406	852	758	893	960	995	644	658	334	359	358

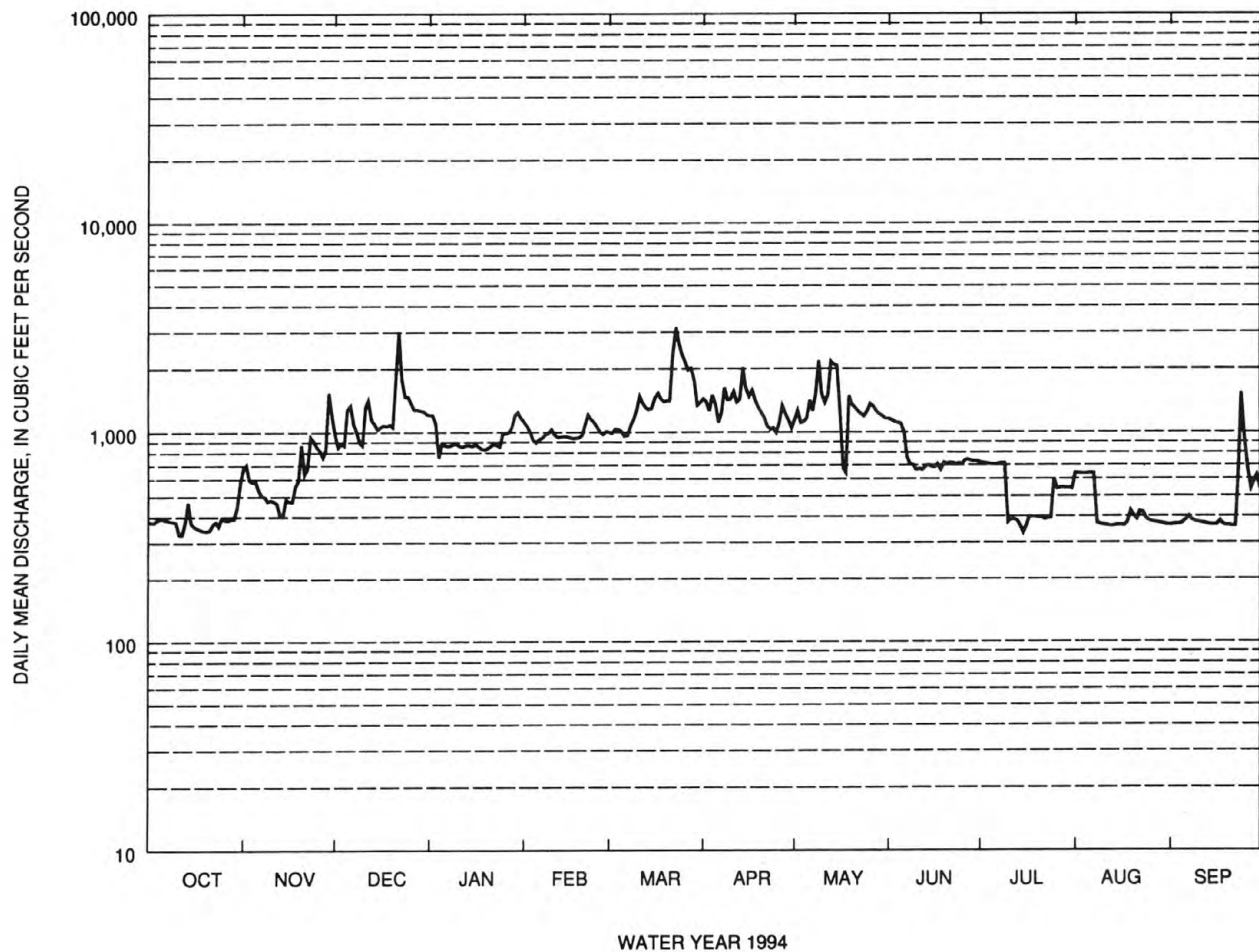
e Estimated

01064118 PRESUMPCOT RIVER AT WESTBROOK, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1976 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	666	898	991	907	1013	1361	1486	1246	928	582	636	585
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 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1976 - 1994	
ANNUAL TOTAL	272863		324505			
ANNUAL MEAN	748		889		941	
HIGHEST ANNUAL MEAN					1740	
LOWEST ANNUAL MEAN					404	
HIGHEST DAILY MEAN	4710		3160		9760	
LOWEST DAILY MEAN	155		329		39	
ANNUAL SEVEN-DAY MINIMUM	352		352		125	
INSTANTANEOUS PEAK FLOW			3720		12500	
INSTANTANEOUS PEAK STAGE			14.85		25.48	
10 PERCENT EXCEEDS	1500		1440		1640	
50 PERCENT EXCEEDS	459		860		766	
90 PERCENT EXCEEDS	364		368		380	



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 current year.

DISCHARGE: October 1975 to September 1984.

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

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, monitor not operated during period November to April. Other interruptions in the record were due to malfunctions of the monitor or pumping system. Beginning in water-year 1985, discharge records for the Presumpscot River at Westbrook (station 01064118) are used for computation of mean daily discharge. Beginning in water year 1994, the water-quality monitor was relocated 2.5 mi downstream at Presumpscot Falls near Falmouth (station 01064149).

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DATE	TIME	DIS-CHARGE,		PH				BARO-		OXYGEN,	COLI-	STREP-
		IN	SPE-	WATER				METRIC		DIS-	FORM,	TOCOCCI
		CUBIC	CIFIC	WHOLE				PRES-		SOLVED	FECAL,	
		FEET	CON-	FIELD	TEMPER-	TEMPER-	TUR-	SURE	OXYGEN,	(PER-	0.7	KF AGAR
		PER	DUCT-	(STAND-	ATURE	ATURE	BID-	(MM	DIS-	CENT	UM-MF	(COLS.
		SECOND	ANCE	ARD	AIR	WATER	ITY	OF	SOLVED	SATUR-	(COLS./	PER
		(00060)	(US/CM)	UNITS)	(DEG C)	(DEG C)	(NTU)	HG)	(MG/L)	ATION)	100 ML)	100 ML)
		(000095)	(000400)	(00020)	(00010)	(00076)	(00025)	(00300)	(00301)	(31625)	(31673)	
NOV												
05...	1005	618	141	7.4	9.0	7.5	2.7	761	11.4	95	K 1000	270
DEC												
01...	1015	1030	97	6.6	-2.5	4.5	2.3	785	13.2	99	450	450
FEB												
07...	1100	E 1040	90	7.3	-2.0	1.0	1.4	765	14.4	101	480	170
APR												
11...	1110	1640	92	7.2	11.0	5.5	1.1	772	13.2	103	170	88
JUL												
26...	0920	E 570	157	7.5	28.0	26.0	1.8	760	6.7	83	2000	2200

DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	MAGNE- CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	POTAS- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	BONATE SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	BONATE SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- LINITY WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- CHLO- WATER DIS IT FIELD MG/L AS CO3 (00452)	ALKA- FLUO- WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	RIDE, DIS- SOLVED (MG/L AS F) (00950)
NOV											
05...	21	6.5	1.1	17	1.5	27	0	22	15	15	0.10
DEC											
01...	17	5.3	1.0	11	1.2	15	0	12	8.0	13	0.10
FEB											
07...	15	4.5	0.82	11	0.9	17	0	14	6.9	11	<0.10
APR											
11...	15	4.7	0.86	11	1.0	16	0	13	8.2	12	<0.10
JUL											
26...	19	6.1	0.93	21	1.7	37	0	30	11	20	<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.

01064140 PRESUMPCOT RIVER NEAR WEST FALMOUTH, ME--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV 05...	4.0	87	74	<0.01	0.12	0.12	0.09	0.12	0.40
DEC 01...	4.3	60	52	<0.01	0.16	0.16	0.04	0.05	0.30
FEB 07...	3.0	49	47	0.02	0.17	0.17	0.04	0.05	0.30
APR 11...	3.6	59	50	0.03	0.20	0.20	0.04	0.05	0.30
JUL 26...	2.5	92	82	0.01	0.08	0.08	0.13	0.17	0.50

DATE	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)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
NOV 05...	0.03	0.01	<0.01	50	6	<3	62	<4	18
DEC 01...	0.04	<0.01	<0.01	--	--	--	--	--	--
FEB 07...	0.05	0.02	0.02	30	6	<3	34	<4	15
APR 11...	0.03	<0.01	0.02	60	5	<3	75	<4	19
JUL 26...	0.09	0.07	0.05	70	7	<3	120	<4	52

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, DIS- SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 05...	<10	<1	<1	<1.0	33	<6	5	8.3	69
DEC 01...	--	--	--	--	--	--	13	36	47
FEB 07...	<10	<1	<1	<1.0	28	<6	7	20	62
APR 11...	<10	<1	<1	<1.0	24	<6	6	27	84
JUL 26...	<10	<1	<1	<1.0	30	<6	30	46	93

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	127	111	119	129	123	126	165	159	162
2	---	---	---	117	113	115	134	120	129	162	155	159
3	---	---	---	121	111	115	122	113	118	163	151	156
4	---	---	---	117	108	112	130	111	116	163	159	160
5	---	---	---	115	107	110	117	101	109	159	150	154
6	---	---	---	126	100	116	118	94	105	160	109	130
7	---	---	---	140	93	122	108	101	106	140	107	113
8	---	---	---	140	111	130	109	106	108	161	130	145
9	---	---	---	115	103	109	130	101	113	153	131	146
10	113	106	109	114	106	109	147	130	140	145	126	136
11	117	109	113	111	97	107	153	146	149	148	140	144
12	120	115	118	150	97	118	156	143	150	153	148	151
13	124	117	121	185	150	159	158	149	155	160	150	155
14	124	114	119	186	157	172	175	156	166	164	155	161
15	122	111	116	273	158	178	172	154	162	155	150	153
16	118	110	114	256	155	185	---	---	---	158	148	154
17	116	111	113	448	165	205	---	---	---	148	132	144
18	130	107	113	166	149	159	174	160	167	152	130	142
19	140	119	127	169	149	158	192	140	170	154	131	148
20	123	112	115	166	147	160	140	124	130	148	130	141
21	119	106	112	159	136	151	124	108	119	149	145	147
22	117	104	111	154	131	140	118	106	113	163	149	155
23	120	105	115	165	154	161	---	---	---	166	145	159
24	131	114	123	164	131	154	---	---	---	162	91	111
25	119	114	115	153	128	135	180	158	165	120	103	110
26	121	104	114	168	121	149	158	153	155	132	120	127
27	113	104	108	154	120	134	180	158	173	144	125	138
28	122	113	119	140	128	133	180	173	176	166	141	150
29	125	115	119	139	126	132	177	170	172	156	137	149
30	126	113	117	131	125	129	224	163	168	141	130	136
31	---	---	---	133	124	128	166	162	163	---	---	---
MONTH PERIOD	140 448	104 91	116 137	448	93	139	224	94	142	166	91	145

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

OXYGEN DISSOLVED (MG/L), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	7.9	7.8	7.8	7.1	6.6	6.9	7.5	6.7	7.1
2	---	---	---	7.9	7.8	7.9	6.8	6.4	6.6	8.0	7.2	7.7
3	---	---	---	7.9	7.6	7.7	7.0	6.5	6.8	8.1	7.6	7.9
4	---	---	---	7.9	7.7	7.8	6.9	6.4	6.7	8.4	7.9	8.2
5	---	---	---	8.0	7.9	7.9	6.9	5.8	6.6	8.9	8.2	8.5
6	---	---	---	8.0	7.6	7.7	7.6	6.5	7.0	9.5	8.7	9.1
7	---	---	---	7.9	7.5	7.6	7.8	6.6	7.4	9.5	8.8	9.2
8	---	---	---	7.6	7.3	7.5	7.8	5.5	7.0	9.1	8.8	8.9
9	---	---	---	7.7	7.4	7.6	6.8	4.9	5.8	8.9	8.5	8.8
10	9.3	9.0	9.2	7.6	7.4	7.6	6.6	4.2	5.6	8.8	8.5	8.6
11	9.3	9.0	9.1	7.9	7.1	7.6	6.5	6.1	6.3	8.9	8.3	8.7
12	9.3	9.0	9.1	7.6	6.2	7.1	6.5	6.0	6.3	9.0	8.6	8.8
13	9.1	8.8	9.0	7.1	5.8	6.7	6.6	6.2	6.4	8.7	8.3	8.5
14	9.1	8.8	8.9	7.0	5.8	6.5	6.5	6.2	6.3	8.7	8.1	8.5
15	8.8	8.5	8.6	6.8	3.2	5.6	6.4	5.8	6.1	8.6	8.0	8.3
16	8.7	8.4	8.6	5.9	3.4	4.6	---	---	---	8.5	7.8	8.2
17	8.7	8.5	8.5	7.3	3.9	6.0	---	---	---	8.6	7.7	8.1
18	8.5	8.1	8.3	7.6	6.9	7.2	7.5	7.0	7.2	8.3	7.5	8.0
19	8.1	7.9	8.0	7.4	7.1	7.3	7.4	7.0	7.2	8.3	7.3	7.9
20	8.0	7.8	7.9	7.4	7.0	7.2	7.7	7.3	7.6	8.2	7.8	8.1
21	7.9	7.6	7.8	7.7	6.9	7.3	7.7	7.5	7.6	8.7	8.0	8.4
22	7.9	7.4	7.7	7.3	6.4	7.1	7.8	7.3	7.5	9.3	8.6	9.0
23	7.9	7.3	7.7	6.8	5.7	6.5	---	---	---	10.2	9.1	9.5
24	7.8	7.3	7.6	6.6	5.7	6.3	---	---	---	11.2	10.2	10.8
25	8.0	7.5	7.9	6.9	5.8	6.5	7.8	6.9	7.5	11.2	11.1	11.2
26	8.1	7.7	7.9	7.3	6.2	6.7	7.7	7.2	7.5	11.1	10.3	10.9
27	8.2	7.9	8.1	7.6	6.9	7.3	7.4	7.0	7.2	---	---	---
28	8.0	7.6	7.9	7.4	7.0	7.2	7.3	6.7	7.1	---	---	---
29	7.9	7.8	7.9	7.0	6.9	6.9	7.1	6.7	6.9	---	---	---
30	8.0	7.9	7.9	7.2	6.9	7.0	7.0	6.1	6.7	---	---	---
31	---	---	---	7.2	6.9	7.0	7.3	6.5	7.0	---	---	---
MONTH PERIOD	9.3 11.2	7.3 3.2	8.3 7.7	8.0	3.2	7.1	7.8	4.2	6.8	11.2	6.7	8.7

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 December 1909, January 1910 to June 1912 (gage heights only), February 1929 to current year. 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.--Estimated daily discharges: Dec. 25 to Mar. 26. Records good except for period of ice effect, Dec. 25 to Mar. 26, 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, 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)
Nov. 29	0230	*17,900	*10.49	Apr. 28	0245	9,600	8.21
Apr. 17	0015	10,700	8.53				

Minimum discharge, 182 ft³/s, Sept. 22, 23, gage height, 2.28 ft.

**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	333	511	2070	e415	e550	e356	719	4060	845	407	391	237
2	297	556	1610	e402	e495	e348	801	3910	785	359	319	244
3	294	429	1400	e395	e440	e347	791	2750	741	334	348	225
4	354	397	1240	e380	e400	e340	1100	2360	705	312	325	211
5	419	438	1270	e370	e369	e335	1360	2400	631	288	292	214
6	441	1450	1280	e350	e350	e315	1660	2330	630	274	296	382
7	354	1280	1100	e350	e330	e310	3670	2190	728	326	278	407
8	319	839	986	e355	e318	e410	3360	4000	645	1010	253	312
9	298	686	883	e339	e307	e510	2370	4340	568	677	235	263
10	295	608	853	e328	e305	e670	2200	3120	507	674	222	237
11	298	553	2000	e322	e303	e950	2790	2440	469	558	209	218
12	281	517	1840	e312	e290	e850	2620	2590	471	430	201	263
13	545	489	1280	e308	e279	e720	3050	2820	704	370	195	298
14	526	487	1180	e301	e275	e650	5930	1950	796	333	212	418
15	410	647	1360	e296	e271	e700	5810	1640	773	310	272	351
16	363	893	1430	e290	e269	e860	7700	1690	594	359	232	276
17	338	704	1150	e285	e268	e820	7520	2500	515	331	205	249
18	326	744	1010	e282	e269	e700	4560	2050	469	297	284	232
19	317	724	947	e280	e287	e670	3310	1690	427	293	897	214
20	299	1360	878	e277	e339	e580	3300	1520	391	286	501	202
21	317	1100	1000	e271	e460	e490	2980	1390	372	265	406	194
22	712	858	1700	e269	e630	e465	2500	1390	390	296	887	186
23	573	767	1190	e267	e550	e510	2180	1450	355	439	598	227
24	456	703	876	e260	e480	e620	2400	1290	327	340	438	1750
25	408	608	e710	e260	e440	e680	3120	1160	357	286	362	1190
26	378	548	e630	e258	e402	e810	3760	1250	650	269	322	722
27	358	569	e560	e256	e371	766	5430	1760	498	371	296	579
28	345	3700	e520	e278	e358	707	7330	1280	458	347	275	1450
29	331	10200	e480	e450	---	741	4110	1050	607	454	259	1310
30	317	3270	e455	e730	---	697	3120	942	474	354	238	1020
31	335	---	e435	e640	---	683	---	886	---	457	223	---
TOTAL	11637	36635	34323	10576	10405	18610	101551	66198	16882	12106	10471	14081
MEAN	375	1221	1107	341	372	600	3385	2135	563	391	338	469
MAX	712	10200	2070	730	630	950	7700	4340	845	1010	897	1750
MIN	281	397	435	256	268	310	719	886	327	265	195	186
CFSM	.98	3.17	2.88	.89	.97	1.56	8.79	5.55	1.46	1.01	.88	1.22
IN.	1.12	3.54	3.32	1.02	1.01	1.80	9.81	6.40	1.63	1.17	1.01	1.36

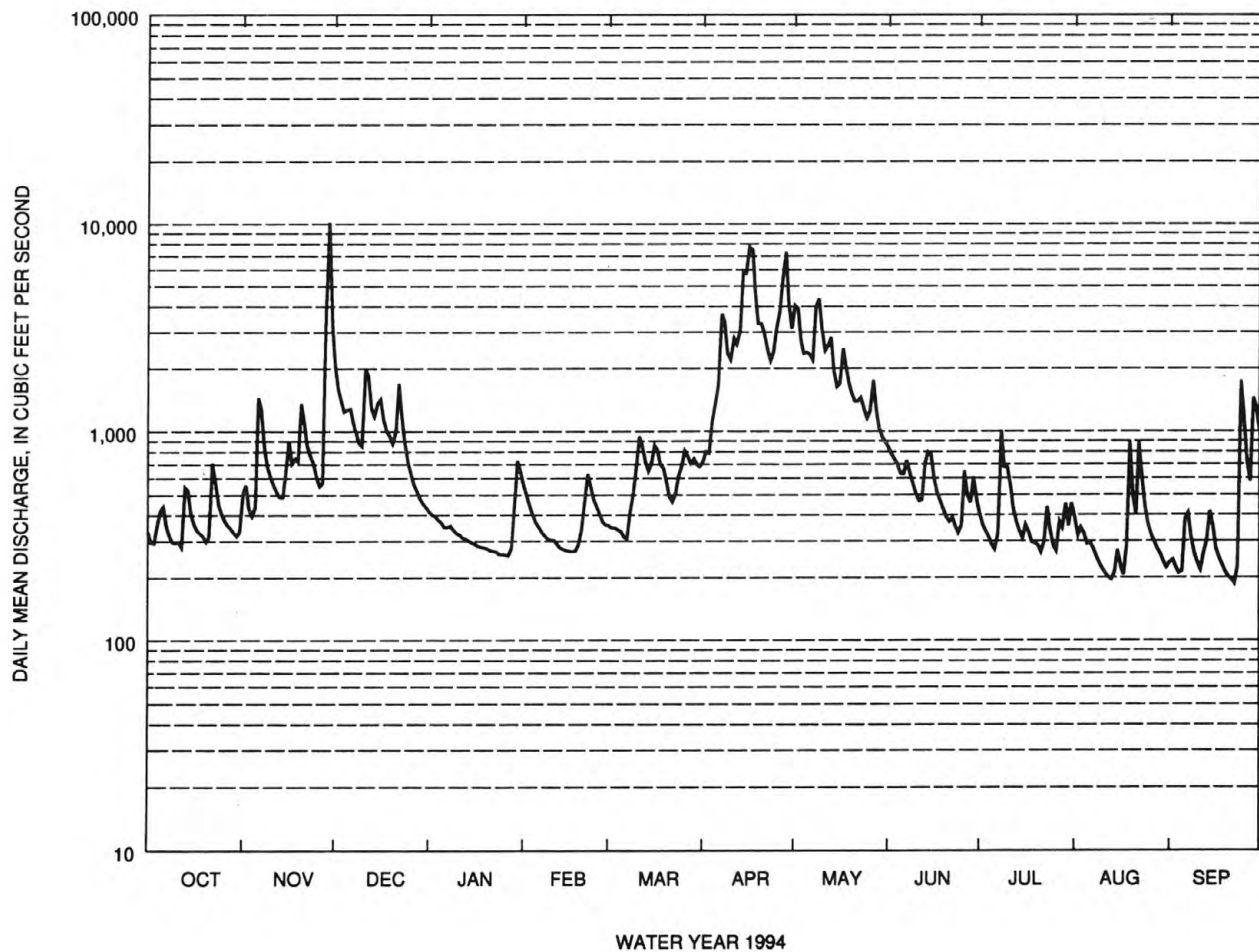
e Estimated

01064500 SACO RIVER NEAR CONWAY, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	622	934	754	549	504	946	2637	2264	819	419	362	387
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	1141	614	300	158	129	102
(WY)	1948	1909	1956	1940	1940	1940	1965	1941	1964	1991	1936	1948

SUMMARY STATISTICS	FOR 1993 CALENDAR YEAR		FOR 1994 WATER YEAR		WATER YEARS 1904 - 1994	
ANNUAL TOTAL	306650		343475			
ANNUAL MEAN	840		941		934	
HIGHEST ANNUAL MEAN					1463	
LOWEST ANNUAL MEAN					489	
HIGHEST DAILY MEAN	12200	Apr 17	10200	Nov 29	33900	Mar 19 1936
LOWEST DAILY MEAN	151	Jul 20	186	Sep 22	66	Aug 4 1959
ANNUAL SEVEN-DAY MINIMUM	155	Jul 16	215	Sep 17	74	Aug 3 1959
INSTANTANEOUS PEAK FLOW			17900	Nov 29	47200	Mar 27 1953
INSTANTANEOUS PEAK STAGE			10.49	Nov 29	19.03	Mar 7 1979
INSTANTANEOUS LOW FLOW			182	Sep 22	40	Mar 16 1932
ANNUAL RUNOFF (CFSM)	2.18		2.44		2.43	
ANNUAL RUNOFF (INCHES)	29.63		33.19		32.96	
10 PERCENT EXCEEDS	1710		2360		2180	
50 PERCENT EXCEEDS	363		480		452	
90 PERCENT EXCEEDS	190		269		182	



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 ft higher.

REMARKS.--Estimated daily discharges: Dec. 26 to Apr. 3. Records good except for period of ice effect, Dec. 26 to Apr. 3, which is fair. Flow partly regulated by mill at Kezar Falls and by Ossipee and Silver Lakes, and Pine River, Bickford, 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, 4,570 ft³/s, Apr. 17, gage height, 7.24 ft; minimum daily discharge, 194 ft³/s, Oct. 11.

**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	211	523	1370	e838	e635	e550	e1540	2060	785	375	419	210
2	218	663	1350	e796	e645	e538	e1580	2100	777	364	404	207
3	225	640	1290	e778	e655	e550	e1650	1970	869	351	435	207
4	231	624	1220	e760	e640	e585	2060	1840	828	344	410	205
5	223	649	1320	e710	e620	e578	2260	1740	699	337	410	221
6	216	742	1360	e690	e590	e565	2430	1580	673	334	398	327
7	211	573	1290	e670	e565	e558	2810	1550	695	331	384	647
8	204	576	1240	e650	e540	e619	3100	1170	650	334	373	640
9	201	591	1170	e630	e525	e658	3160	1420	516	333	245	624
10	202	597	1130	e620	e505	e710	3210	1690	508	380	222	609
11	194	591	1320	e600	e495	e822	3350	1660	497	364	214	589
12	201	591	1440	e590	e485	e855	3370	1830	499	341	216	572
13	609	581	1400	e578	e480	e860	3480	1830	512	252	214	561
14	611	581	1390	e562	e465	e858	4020	1740	567	230	217	555
15	581	583	1400	e558	e460	e850	4100	1970	561	257	215	538
16	569	578	1390	e542	e455	e860	4290	1910	530	456	210	528
17	560	567	1320	e535	e448	e870	4550	1910	504	320	208	532
18	597	616	1250	e528	e440	e880	4460	1740	499	274	272	517
19	807	625	1200	e521	e435	e850	4150	1440	490	268	342	502
20	793	777	1150	e517	e430	e840	3770	1370	471	254	472	534
21	795	1040	1550	e509	e460	e830	3410	1010	474	242	477	487
22	811	999	2560	e503	e495	e900	3070	955	419	240	499	447
23	775	953	1970	e500	e525	e1560	2770	938	365	234	478	461
24	743	912	1790	e498	e550	e1620	2510	910	247	234	407	694
25	721	863	1680	e490	e590	e1340	2110	862	264	227	354	619
26	662	819	e1530	e488	e590	e1390	2090	728	295	245	241	571
27	484	792	e1340	e496	e578	e1420	2220	852	276	245	224	557
28	472	849	e1190	e525	e560	e1440	2190	868	289	273	218	579
29	465	1070	e1060	e590	---	e1480	2150	855	367	440	211	621
30	425	1210	e957	e615	---	e1490	2060	837	370	416	207	642
31	461	---	e894	e630	---	e1500	---	803	---	437	204	---
TOTAL	14478	21775	42521	18517	14861	29426	87920	44138	15496	9732	9800	15003
MEAN	467	726	1372	597	531	949	2931	1424	517	314	316	500
MAX	811	1210	2560	838	655	1620	4550	2100	869	456	499	694
MIN	194	523	894	488	430	538	1540	728	247	227	204	205

e Estimated

01065500 OSSIPEE RIVER AT CORNISH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	473	726	874	721	717	1174	2464	1490	752	438	375	358
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	920	436	234	185	166	175
(WY)	1948	1965	1923	1948	1940	1940	1957	1941	1985	1953	1949	1936

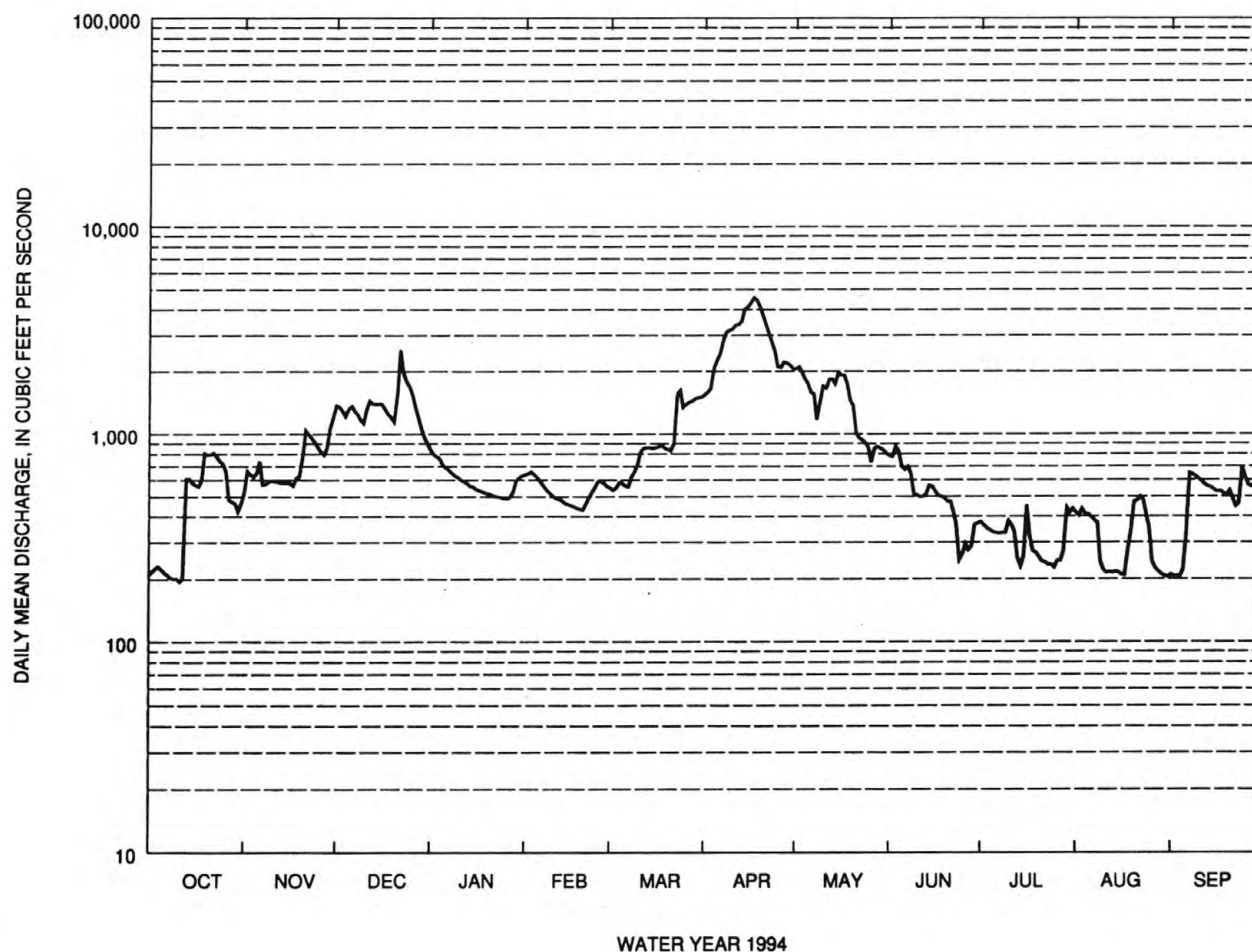
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1916 - 1994

ANNUAL TOTAL	284917		323667				
ANNUAL MEAN	781		887		879		
HIGHEST ANNUAL MEAN					1426		1984
LOWEST ANNUAL MEAN					448		1965
HIGHEST DAILY MEAN	5830	Apr 13	4550	Apr 17	16300	Mar 21	1936
LOWEST DAILY MEAN	164	Jul 28	194	Oct 11	65	Sep 8	1929
ANNUAL SEVEN-DAY MINIMUM	173	Jul 23	204	Oct 6	91	Jul 2	1921
INSTANTANEOUS PEAK FLOW			4570	Apr 17	17200	Mar 21	1936
INSTANTANEOUS PEAK STAGE			7.24	Apr 17	16.32	Mar 21	1936
10 PERCENT EXCEEDS	1750		1830		1940		
50 PERCENT EXCEEDS	476		591		563		
90 PERCENT EXCEEDS	197		242		230		



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 highway 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 on bridge downstream at different datum.

REMARKS.--Estimated daily discharges: Dec. 28 to Apr. 4. Records good except for period of ice effect, Dec. 28 to Apr. 4, which is fair. Flow partly regulated by powerplants above station and by Ossipee, Silver, Conway, and Kezar Lakes, and 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, 14,900 ft³/s, Apr. 18,19, gage height, 10.34 ft; minimum daily discharge, 433 ft³/s, Aug. 13.

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	835	1140	4740	e2220	e1760	e1690	e3880	8660	2940	1350	1090	717
2	684	1410	5000	e2250	e1870	e1570	e3880	8570	2750	1290	1080	714
3	713	1520	5390	e2480	e1770	e1640	e3970	8150	2690	1270	1110	711
4	681	1430	5180	e2560	e1860	e1530	e4750	7830	2470	1020	1080	552
5	692	1460	5160	e2090	e1730	e1560	5300	7470	2300	1270	1070	554
6	811	1630	4930	e1870	e1690	e1460	5800	6930	2140	1060	1060	774
7	743	1710	4640	e1790	e1550	e1460	6430	6550	2100	992	910	1180
8	810	1820	4380	e1830	e1550	e1550	7000	6050	2220	948	941	1180
9	815	1840	4020	e1990	e1450	e1630	7400	6230	1990	1020	791	1150
10	810	1820	3790	e1980	e1450	e1810	7970	6450	1850	1580	746	1140
11	724	1810	4000	e1970	e1390	e1970	8470	6530	1850	1230	731	1110
12	713	1790	4210	e1920	e1330	e2040	8650	6770	1670	1390	599	1030
13	1110	1600	4200	e1780	e1320	e2010	9070	6660	1550	1140	433	935
14	1190	1550	4280	e1780	e1310	e1990	10500	6430	1730	1070	487	929
15	1330	1550	4220	e1750	e1170	e2030	10900	6490	1900	866	543	914
16	1280	1550	4160	e1490	e1160	e2160	11800	6250	1900	1220	565	1040
17	1210	1600	4030	e1210	e1150	e2170	13200	6120	1820	1070	601	1080
18	1160	1670	3900	e1210	e1150	e2140	14500	5800	1680	906	700	1050
19	1300	1780	3700	e1140	e1140	e2110	14700	5400	1760	887	885	1020
20	1320	1980	3510	e1200	e1140	e2210	13600	5130	1520	871	1190	987
21	1340	2310	4430	e1250	e1190	e2060	12300	4510	1480	854	1280	864
22	1430	2430	6110	e1420	e1540	e2260	11100	4290	1300	750	1290	824
23	1280	2470	5480	e1280	e1600	e2970	10100	3990	1230	699	1350	807
24	1440	2340	5120	e1450	e1690	e3140	9210	3840	1090	760	1350	1280
25	1420	2150	4640	e1260	e1770	e2940	8190	3600	1080	836	1280	1680
26	1410	2110	4190	e1410	e1770	e3110	7770	3300	1150	801	1080	1900
27	1060	1990	3620	e1360	e1750	e3320	7710	3470	1300	799	1010	1810
28	1100	1930	e2960	e1330	e1790	e3400	7640	3470	1110	826	947	1670
29	1040	2910	e2660	e1490	---	e3820	7830	3420	1470	1040	927	1690
30	1000	4010	e2510	e1600	---	e3600	8330	3330	1300	1050	820	2030
31	1030	---	e2300	e1700	---	e3830	---	3070	---	1100	738	---
TOTAL	32481	57310	131460	52060	42040	71180	261950	174760	53340	31965	28684	33322
MEAN	1048	1910	4241	1679	1501	2296	8732	5637	1778	1031	925	1111
MAX	1440	4010	6110	2560	1870	3830	14700	8660	2940	1580	1350	2030
MIN	681	1140	2300	1140	1140	1460	3880	3070	1080	699	433	552

e Estimated

01066000 SACO RIVER AT CORNISH, ME--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1916 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1482	2357	2543	1951	1916	3162	7365	5564	2549	1390	1070	1047
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	3292	1707	859	486	424	399
(WY)	1948	1979	1948	1948	1918	1940	1957	1941	1964	1991	1949	1978

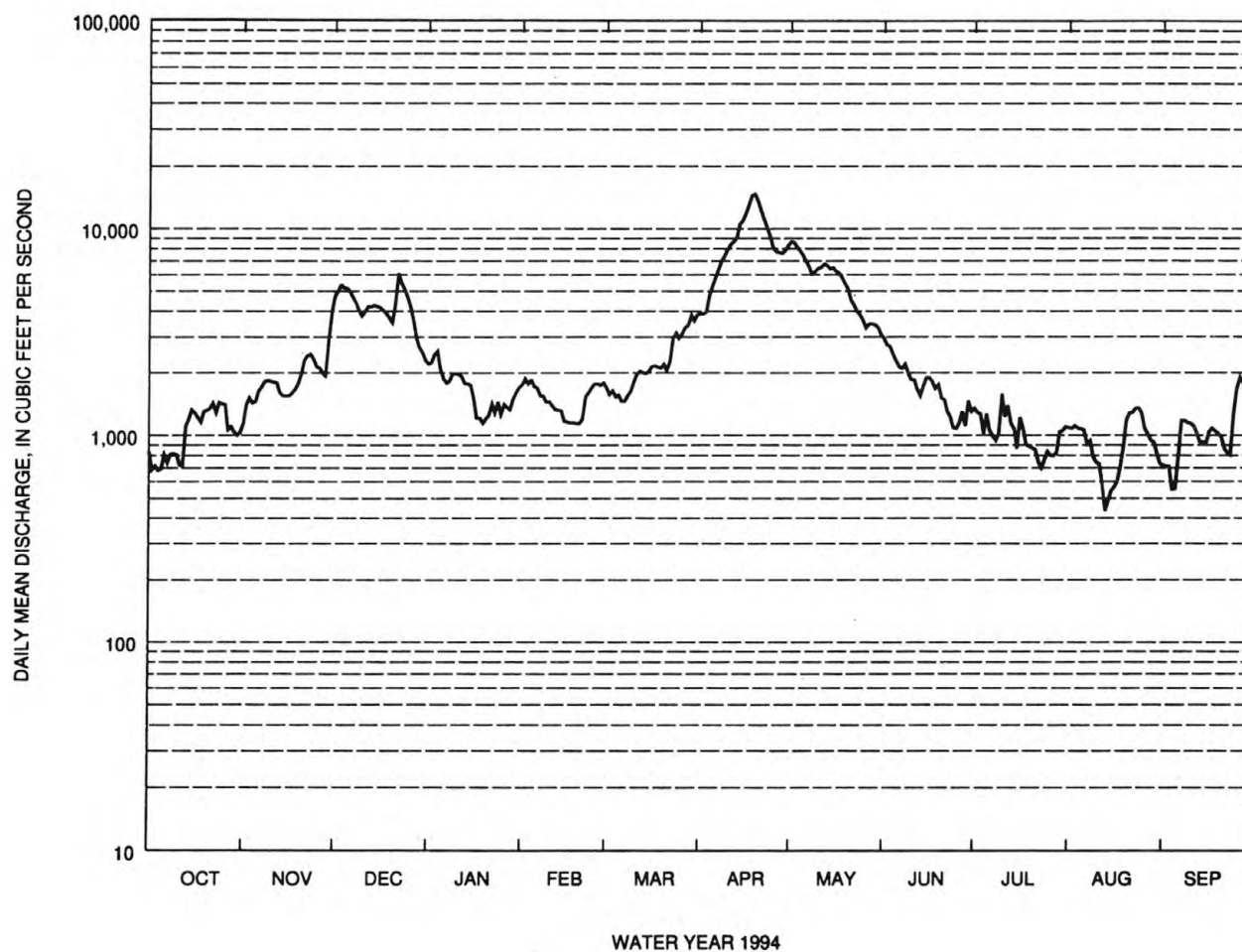
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1916 - 1994

ANNUAL TOTAL	858147		970552				
ANNUAL MEAN	2351		2659		2695		
HIGHEST ANNUAL MEAN					4076		1973
LOWEST ANNUAL MEAN					1372		1965
HIGHEST DAILY MEAN	17800	Apr 15	14700	Apr 19	45600	Mar 21	1936
LOWEST DAILY MEAN	401	Sep 21	433	Aug 13	244	Oct 7	1964
ANNUAL SEVEN-DAY MINIMUM	420	Sep 17	561	Aug 12	301	Oct 13	1957
INSTANTANEOUS PEAK FLOW			14900	Apr 18	46600	Mar 21	1936
INSTANTANEOUS PEAK STAGE			10.34	Apr 18	21.90	Mar 21	1936
10 PERCENT EXCEEDS	5540		6430		6160		
50 PERCENT EXCEEDS	1200		1670		1660		
90 PERCENT EXCEEDS	516		825		675		



01066000 SACO RIVER AT CORNISH, ME--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.-- Water years 1954, 1975 to current year.

CHEMICAL ANALYSES: Water years 1954, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1975 to September 1981.

WATER TEMPERATURE: July 1975 to September 1981.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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 (PER- CENT OF SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT OF 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)
NOV												
01...	1045	1090	45	6.7	3.5	7.0	0.7	745	11.9	100	24	21
DEC												
09...	1230	3960	37	6.7	3.0	2.5	1.0	763	13.2	97	K 13	--
FEB												
08...	0915	E 1550	43	6.5	-13.0	0.0	0.4	768	11.8	80	K 2	K 10
APR												
12...	1010	8660	35	6.5	16.0	4.0	0.7	765	13.2	100	K 4	K 2
JUL												
27...	0935	793	49	6.9	24.0	26.0	1.0	755	7.9	98	46	42
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)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	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)
NOV												
01...	9	2.8	0.51	4.0	0.60	7	0	5	3.6	5.1	0.30	
DEC												
09...	8	2.4	0.45	3.1	0.50	4	0	4	3.6	4.5	0.30	
FEB												
08...	9	2.9	0.51	4.1	0.60	7	0	6	3.8	5.4	0.20	
APR												
12...	6	2.0	0.36	3.2	0.40	4	0	3	3.4	4.5	0.20	
JUL												
27...	9	2.9	0.50	4.5	0.70	8	0	7	3.4	6.3	0.40	

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.

01066000 SACO RIVER AT CORNISH, ME--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994

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)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
NOV									
01...	7.0	33	28	<0.01	0.06	0.077	0.01	0.01	<0.20
DEC									
09...	6.8	30	24	<0.01	0.14	0.140	0.02	0.03	<0.20
FEB									
08...	7.5	38	29	0.02	0.16	0.160	0.02	0.03	<0.20
APR									
12...	5.8	33	23	0.01	0.15	0.150	0.02	0.03	<0.20
JUL									
27...	5.7	34	29	<0.01	0.12	0.120	0.02	0.03	<0.20

DATE	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)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
NOV									
01...	0.05	<0.01	<0.01	50	4	<3	110	<4	12
DEC									
09...	0.02	<0.01	<0.01	--	--	--	--	--	--
FEB									
08...	0.03	<0.01	<0.01	90	4	<3	130	<4	22
APR									
12...	0.01	<0.01	<0.01	100	4	<3	110	<4	24
JUL									
27...	0.02	<0.01	<0.01	30	4	<3	200	<4	9

DATE	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV									
01...	<10	<1	<1	<1.0	22	<6	2	5.9	80
DEC									
09...	--	--	--	--	--	--	8	85	47
FEB									
08...	<10	<1	<1	<1.0	22	<6	4	17	78
APR									
12...	<10	<1	<1	<1.0	16	<6	11	257	81
JUL									
27...	<10	<1	<1	<1.0	23	<6	1	2.1	75

01067851 SANDY BROOK ABOVE LANDFILL NEAR SACO, ME

LOCATION.--Lat 43°32'00", long 70°29'04", York County, Hydrologic Unit 01060002, on right bank 0.4 mi upstream from Foss Road and 0.7 mi upstream from station 01067853.

DRAINAGE AREA.--1.28 mi².

PERIOD OF RECORD.--July 1993 to July 1994 (discontinued).

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 87.80 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Aug. 24 to Oct. 6, Dec. 28-30, Jan. 18-25, 27-28, Jan. 31 to Feb. 10, Feb. 27 to Mar. 3, Mar. 8-9, Apr. 28 to May. 23, June 8-11, and June 15 to July 16. Records fair, including periods of ice effect, Jan. 18-25, 27-28, and Jan. 31 to Feb. 10, except for periods of doubtful gage-height record, Dec. 28-30, Feb. 27 to Mar. 3, Mar. 8-9, June 8-11, and June 15 to July 16, and periods of no gage-height record, Aug. 24 to Oct. 6 and Apr. 28 to May 23, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 90 ft³/s, Mar. 22, 1994, gage height, 4.51 ft; minimum recorded discharge, 0.08 ft³/s, Aug. 15, 1993, but may have been less during period of no gage-height record Aug. 25 to Sept. 1, 1993.

**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	e.19	1.9	1.0	.59	e1.5	e.63	6.6	e2.2	.85	e.25	---	---
2	e.18	1.0	.87	.67	e1.1	e.60	5.3	e3.2	.91	e.21	---	---
3	e.17	.50	1.0	.60	e.88	e.55	5.3	e2.5	.58	e.19	---	---
4	e.34	.58	.95	.55	e.75	.53	7.4	e1.9	.49	e.19	---	---
5	e.27	.73	6.8	.56	e.63	.49	4.6	e4.5	.46	e.18	---	---
6	e.19	.91	3.1	.51	e.58	.48	4.7	e9.0	.44	e.18	---	---
7	.17	.47	2.0	.52	e.52	.49	6.8	e5.4	.40	e.18	---	---
8	.17	.35	1.5	.57	e.48	e1.6	3.8	e11	e.35	e.19	---	---
9	.18	.33	1.2	.56	e.48	e3.8	2.6	e17	e.34	e.22	---	---
10	.18	.34	1.2	.56	e.48	11	3.1	e9.4	e.34	e.27	---	---
11	.16	.36	6.6	.48	.47	12	2.7	e4.8	e.35	e.21	---	---
12	.19	.43	4.0	.49	.48	5.8	2.0	e3.6	.55	e.16	---	---
13	1.4	.38	2.4	.52	.49	3.2	6.2	e2.8	.54	e.15	---	---
14	.35	.44	3.4	.54	.49	3.2	8.2	e2.3	.47	e.14	---	---
15	.27	.50	3.0	.52	.48	5.6	3.5	e1.9	e.35	e.13	---	---
16	.24	.44	2.4	.44	.47	11	4.6	e1.6	e.31	e.13	---	---
17	.23	.66	1.5	.47	.45	9.4	3.6	e5.4	e.29	---	---	---
18	.24	2.9	1.2	e.72	.45	6.0	2.2	e3.3	e.28	---	---	---
19	.20	2.3	1.3	e.85	.47	5.9	2.2	e2.2	e.27	---	---	---
20	.19	3.4	1.3	e.75	.84	6.2	2.0	e1.7	e.26	---	---	---
21	.32	1.3	9.8	e.60	5.5	9.0	1.6	e1.2	e.33	---	---	---
22	.54	.97	5.1	e.55	4.7	45	1.4	e.90	e.34	---	---	---
23	.20	.79	2.9	e.52	2.4	29	1.2	e.85	e.21	---	---	---
24	.14	.74	1.9	e.51	1.5	17	1.1	.80	e.21	---	---	---
25	.13	.52	1.7	e.50	1.1	14	1.1	1.6	e.37	---	---	---
26	.12	.41	1.4	.49	.91	13	2.3	1.4	e.38	---	---	---
27	.20	.47	.75	e.45	e.75	11	1.9	1.5	e.26	---	---	---
28	.30	3.9	e.54	e1.2	e.69	15	e1.5	.95	e.28	---	---	---
29	.23	3.6	e.48	9.5	---	9.1	e1.3	.75	e.32	---	---	---
30	.23	1.7	e.57	6.8	---	8.0	e1.0	.63	e.29	---	---	---
31	1.3	---	.59	e3.5	---	7.2	---	.52	---	---	---	---
TOTAL	9.22	33.32	72.45	36.09	30.04	265.77	101.8	106.80	11.82	---	---	---
MEAN	.30	1.11	2.34	1.16	1.07	8.57	3.39	3.45	.39	---	---	---
MAX	1.4	3.9	9.8	9.5	5.5	45	8.2	17	.91	---	---	---
MIN	.12	.33	.48	.44	.45	.48	1.0	.52	.21	---	---	---
CFSM	.23	.87	1.83	.91	.84	6.70	2.65	2.69	.31	---	---	---
IN.	.27	.97	2.11	1.05	.87	7.72	2.96	3.10	.34	---	---	---

e Estimated

SUMMARY STATISTICS

WATER YEARS 1993 - 1994

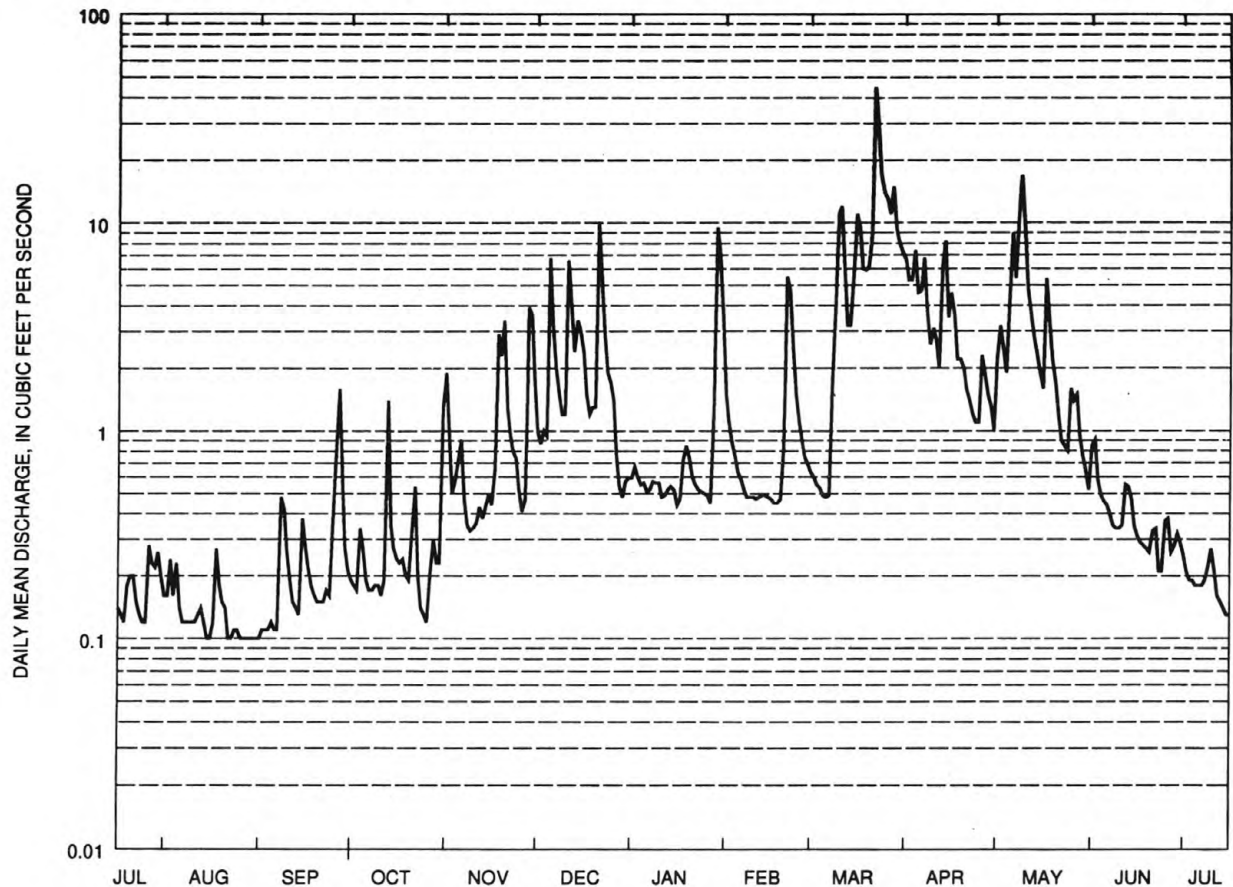
HIGHEST DAILY MEAN	45	Mar 22 1994
LOWEST DAILY MEAN	.10	Aug 15 1993
ANNUAL SEVEN-DAY MINIMUM	.10	Aug 26 1993
INSTANTANEOUS PEAK FLOW	90	Mar 22 1994
INSTANTANEOUS PEAK STAGE	4.51	Mar 22 1994
INSTANTANEOUS LOW FLOW	.08	Aug 15 1993
10 PERCENT EXCEEDS	5.4	
50 PERCENT EXCEEDS	.52	
90 PERCENT EXCEEDS	.13	

01067851 SANDY BROOK ABOVE LANDFILL NEAR SACO, ME--Continued

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	---	---	---	---	---	---	---	---	---	---	.16	e.10
2	---	---	---	---	---	---	---	---	---	---	.16	e.11
3	---	---	---	---	---	---	---	---	---	---	.24	e.11
4	---	---	---	---	---	---	---	---	---	---	.16	e.11
5	---	---	---	---	---	---	---	---	---	---	.23	e.12
6	---	---	---	---	---	---	---	---	---	---	.14	e.11
7	---	---	---	---	---	---	---	---	---	---	.12	e.11
8	---	---	---	---	---	---	---	---	---	---	.12	e.48
9	---	---	---	---	---	---	---	---	---	---	.12	e.42
10	---	---	---	---	---	---	---	---	---	---	.12	e.26
11	---	---	---	---	---	---	---	---	---	---	.12	e.19
12	---	---	---	---	---	---	---	---	---	---	.13	e.15
13	---	---	---	---	---	---	---	---	---	---	.14	e.14
14	---	---	---	---	---	---	---	---	---	---	.12	e.13
15	---	---	---	---	---	---	---	---	---	---	.10	e.38
16	---	---	---	---	---	---	---	---	---	---	.10	e.28
17	---	---	---	---	---	---	---	---	---	---	.14	e.22
18	---	---	---	---	---	---	---	---	---	---	.13	e.18
19	---	---	---	---	---	---	---	---	---	---	.12	e.16
20	---	---	---	---	---	---	---	---	---	---	.18	e.15
21	---	---	---	---	---	---	---	---	---	---	.20	e.15
22	---	---	---	---	---	---	---	---	---	---	.20	e.15
23	---	---	---	---	---	---	---	---	---	---	.15	e.17
24	---	---	---	---	---	---	---	---	---	---	.13	e.16
25	---	---	---	---	---	---	---	---	---	---	.12	e.37
26	---	---	---	---	---	---	---	---	---	---	.12	e.84
27	---	---	---	---	---	---	---	---	---	---	.28	e1.6
28	---	---	---	---	---	---	---	---	---	---	.23	e.58
29	---	---	---	---	---	---	---	---	---	---	.22	e.27
30	---	---	---	---	---	---	---	---	---	---	.26	e.21
31	---	---	---	---	---	---	---	---	---	---	.20	---
TOTAL	---	---	---	---	---	---	---	---	---	---	4.16	8.41
MEAN	---	---	---	---	---	---	---	---	---	---	.13	.28
MAX	---	---	---	---	---	---	---	---	---	---	.27	1.6
MIN	---	---	---	---	---	---	---	---	---	---	.10	.10
CFSM	---	---	---	---	---	---	---	---	---	---	.10	.22
IN.	---	---	---	---	---	---	---	---	---	---	.12	.24



PERIOD OF RECORD JULY 17, 1993 TO JULY 16, 1994

01067853 SANDY BROOK BELOW LANDFILL NEAR SACO, ME

LOCATION.--Lat 43°31'32", long 70°28'45", York County, Hydrologic Unit 01060002, on left bank at confluence, with Big Ledge Brook and 0.7 mi downstream from station 01067851.

DRAINAGE AREA.--1.42 mi².

PERIOD OF RECORD.--July 1993 to July 1994 (discontinued).

GAGE.--Water-stage recorder and V-notch sharp-crested weir. Datum of gage is 76.83 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Aug. 24 to Oct. 6, Oct. 20-30, Jan. 22, 29, Feb. 1-8, Mar. 3-4, Apr. 28 to May. 25, and July 16. Records fair, including periods of ice effect, Jan. 22, Feb. 1-8, and Mar. 3-4, except for periods of doubtful gage-height record, Jan. 29 and July 16, and periods of no gage-height record, Aug. 24 to Oct. 6, Oct. 20-30, and Apr. 28 to May 25, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 100 ft³/s, Mar. 22, 1994, gage height, 5.46 ft; minimum daily discharge, 0.34 ft³/s, Oct. 26, 1993.

**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	e.49	2.4	1.5	1.0	e3.3	.98	7.2	e2.9	1.2	.61	---	---
2	e.47	1.7	1.3	1.1	e1.8	.93	5.9	e4.4	1.3	.58	---	---
3	e.45	.94	1.4	1.1	e1.4	e.92	5.6	e3.5	1.0	.55	---	---
4	e.72	1.0	1.3	1.0	e1.2	e.91	8.2	e2.6	.91	.54	---	---
5	e.61	1.0	7.2	1.0	e1.1	.91	5.1	e6.3	.87	.54	---	---
6	e.51	1.4	3.9	.99	e1.0	.89	4.8	e11	.87	.54	---	---
7	.47	.91	2.6	.98	e.98	.89	7.3	e7.0	.85	.53	---	---
8	.46	.78	2.0	1.0	e.91	2.5	4.1	e14	.79	.55	---	---
9	.46	.75	1.6	1.0	.92	5.0	2.7	e21	.76	.57	---	---
10	.46	.72	1.6	.96	.89	11	3.0	e12	.75	.64	---	---
11	.44	.69	7.3	.95	.87	14	2.8	e5.8	.74	.54	---	---
12	.47	.72	5.2	.96	.88	8.4	2.0	e4.4	.89	.50	---	---
13	1.9	.69	2.9	.98	.91	4.9	6.4	e3.7	.84	.50	---	---
14	.74	.72	4.1	.99	.89	3.8	11	e2.9	.86	.49	---	---
15	.60	.73	3.6	1.0	.86	6.2	3.7	e2.3	.77	.47	---	---
16	.55	.69	3.2	.95	.85	13	4.7	e2.1	.73	e.44	---	---
17	.53	.75	2.0	.94	.85	12	3.8	e7.0	.72	---	---	---
18	.54	3.6	1.7	1.4	.85	8.5	2.2	e4.0	.68	---	---	---
19	.49	2.5	1.8	1.6	.90	7.8	2.1	e2.7	.66	---	---	---
20	e.47	4.8	1.7	1.3	1.2	8.7	2.0	e2.1	.63	---	---	---
21	e.72	1.9	13	1.2	6.1	13	1.7	e1.7	.65	---	---	---
22	e.99	1.4	5.7	e1.1	7.4	51	1.6	e1.4	.66	---	---	---
23	e.60	1.2	3.3	1.1	4.2	37	1.6	e1.2	.62	---	---	---
24	e.38	1.1	2.3	1.0	2.2	23	1.7	e1.2	.63	---	---	---
25	e.36	.90	2.1	1.0	1.6	20	1.7	e1.7	.70	---	---	---
26	e.34	.76	1.9	.96	1.4	17	3.6	1.7	.70	---	---	---
27	e.49	.80	1.2	.92	1.2	13	3.0	1.7	.63	---	---	---
28	e.74	4.1	.98	1.4	1.1	22	e1.9	1.3	.64	---	---	---
29	e.51	4.6	.93	e11	---	11	e1.7	1.1	.66	---	---	---
30	e.51	2.2	1.0	8.9	---	9.0	e1.5	1.0	.65	---	---	---
31	1.5	---	1.1	6.7	---	8.0	---	.98	---	---	---	---
TOTAL	18.97	46.45	91.41	56.48	47.76	336.23	114.6	136.68	23.36	---	---	---
MEAN	.61	1.55	2.95	1.82	1.71	10.8	3.82	4.41	.78	---	---	---
MAX	1.9	4.8	13	11	7.4	51	11	21	1.3	---	---	---
MIN	.34	.69	.93	.92	.85	.89	1.5	.98	.62	---	---	---
CF5M	.43	1.09	2.08	1.28	1.20	7.64	2.69	3.10	.55	---	---	---
IN.	.50	1.22	2.39	1.48	1.25	8.81	3.00	3.58	.61	---	---	---

e Estimated

SUMMARY STATISTICS

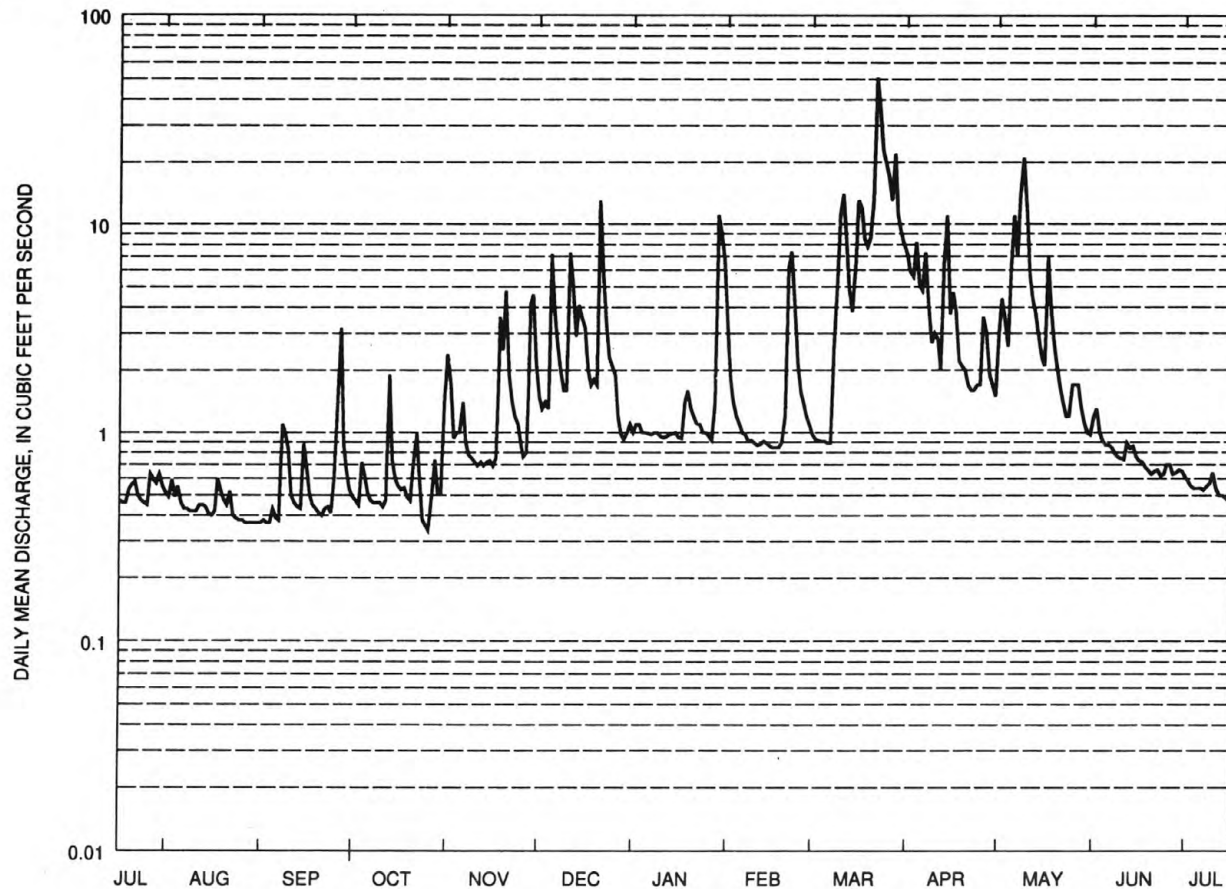
WATER YEARS 1993 - 1994

HIGHEST DAILY MEAN	51	Mar 22 1994
LOWEST DAILY MEAN	.34	Oct 26 1993
ANNUAL SEVEN-DAY MINIMUM	.37	Aug 26 1993
INSTANTANEOUS PEAK FLOW	100	Mar 22 1994
INSTANTANEOUS PEAK STAGE	5.46	Mar 22 1994
10 PERCENT EXCEEDS	6.5	
50 PERCENT EXCEEDS	.96	
90 PERCENT EXCEEDS	.44	

01067853 SANDY BROOK BELOW LANDFILL NEAR SACO, ME--Continued

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	---	---	---	---	---	---	---	---	---	---	.51	e.37
2	---	---	---	---	---	---	---	---	---	---	.49	e.38
3	---	---	---	---	---	---	---	---	---	---	.59	e.37
4	---	---	---	---	---	---	---	---	---	---	.49	e.37
5	---	---	---	---	---	---	---	---	---	---	.55	e.43
6	---	---	---	---	---	---	---	---	---	---	.46	e.39
7	---	---	---	---	---	---	---	---	---	---	.43	e.38
8	---	---	---	---	---	---	---	---	---	---	.43	e1.1
9	---	---	---	---	---	---	---	---	---	---	.42	e1.0
10	---	---	---	---	---	---	---	---	---	---	.42	e.82
11	---	---	---	---	---	---	---	---	---	---	.42	e.50
12	---	---	---	---	---	---	---	---	---	---	.45	e.46
13	---	---	---	---	---	---	---	---	---	---	.45	e.44
14	---	---	---	---	---	---	---	---	---	---	.44	e.43
15	---	---	---	---	---	---	---	---	---	---	.41	e.88
16	---	---	---	---	---	---	---	---	---	---	.40	e.67
17	---	---	---	---	---	---	---	---	---	---	.47	e.50
18	---	---	---	---	---	---	---	---	---	---	.46	e.45
19	---	---	---	---	---	---	---	---	---	---	.46	e.43
20	---	---	---	---	---	---	---	---	---	---	.53	e.41
21	---	---	---	---	---	---	---	---	---	---	.56	e.40
22	---	---	---	---	---	---	---	---	---	---	.58	e.43
23	---	---	---	---	---	---	---	---	---	---	.50	e.44
24	---	---	---	---	---	---	---	---	---	---	.47	e.41
25	---	---	---	---	---	---	---	---	---	---	.46	e.62
26	---	---	---	---	---	---	---	---	---	---	.45	e1.6
27	---	---	---	---	---	---	---	---	---	---	.63	e3.2
28	---	---	---	---	---	---	---	---	---	---	.59	e.90
29	---	---	---	---	---	---	---	---	---	---	.57	e.65
30	---	---	---	---	---	---	---	---	---	---	.63	e.53
31	---	---	---	---	---	---	---	---	---	---	.55	e.37
TOTAL	---	---	---	---	---	---	---	---	---	---	13.74	19.96
MEAN	---	---	---	---	---	---	---	---	---	---	.44	.67
MAX	---	---	---	---	---	---	---	---	---	---	.60	3.2
MIN	---	---	---	---	---	---	---	---	---	---	.37	.37
CFSM	---	---	---	---	---	---	---	---	---	---	.31	.47
IN.	---	---	---	---	---	---	---	---	---	---	.36	.52



PERIOD OF RECORD JULY 17, 1993 TO JULY 16, 1994

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, 19 ft³/s, Aug. 30, Sept. 13, 1970.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 904 ft³/s, Dec. 23, gage height, 4.63 ft; minimum daily discharge, 23 ft³/s, Sept. 6-9.

**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	28	190	169	250	142	135	580	207	88	39	31	28
2	35	190	166	247	142	135	579	231	90	41	31	27
3	35	168	166	242	142	135	587	241	88	42	30	27
4	34	150	166	241	149	135	622	237	85	42	30	27
5	34	150	166	241	158	135	682	237	81	39	30	26
6	34	150	199	240	158	135	694	240	71	38	30	23
7	34	150	241	236	158	116	697	252	72	38	30	23
8	37	122	241	234	158	90	700	291	65	38	30	23
9	45	83	241	234	159	90	653	461	61	39	30	23
10	62	83	241	234	163	154	609	383	60	39	30	24
11	72	83	241	186	122	203	398	289	59	38	30	24
12	131	83	241	140	86	206	256	357	58	38	30	32
13	224	83	241	140	86	218	327	354	57	38	29	37
14	223	83	241	154	85	250	492	304	57	38	29	40
15	212	83	241	166	84	270	607	275	59	38	29	41
16	195	73	241	166	84	264	572	268	47	38	29	41
17	184	63	241	166	84	264	522	287	37	37	29	40
18	173	63	241	166	84	260	437	304	39	33	28	45
19	194	63	241	161	84	257	379	296	40	30	28	44
20	218	63	241	155	84	257	308	271	40	30	28	41
21	210	63	281	155	84	256	273	243	38	30	29	39
22	210	63	735	155	84	254	278	220	37	30	30	38
23	207	63	862	155	84	488	271	182	36	29	29	61
24	206	63	676	155	84	691	263	158	36	29	28	184
25	206	63	527	151	84	703	256	133	36	29	28	228
26	205	63	425	142	84	699	221	125	36	30	28	204
27	203	63	343	142	84	677	198	136	36	30	28	163
28	200	63	297	142	109	643	203	139	36	30	28	135
29	198	63	279	142	---	625	200	140	37	30	28	111
30	196	112	266	142	---	602	198	134	38	30	28	89
31	193	---	256	142	---	584	---	102	---	31	28	---
TOTAL	4438	2855	9353	5622	3109	9931	13062	7497	1620	1081	903	1888
MEAN	143	95.2	302	181	111	320	435	242	54.0	34.9	29.1	62.9
MAX	224	190	862	250	163	703	700	461	90	42	31	228
MIN	28	63	166	140	84	90	198	102	36	29	28	23

01072100 SALMON FALLS RIVER AT MILTON, NH--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1994, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	169	189	225	172	190	310	445	228	125	62.0	64.3	82.6
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

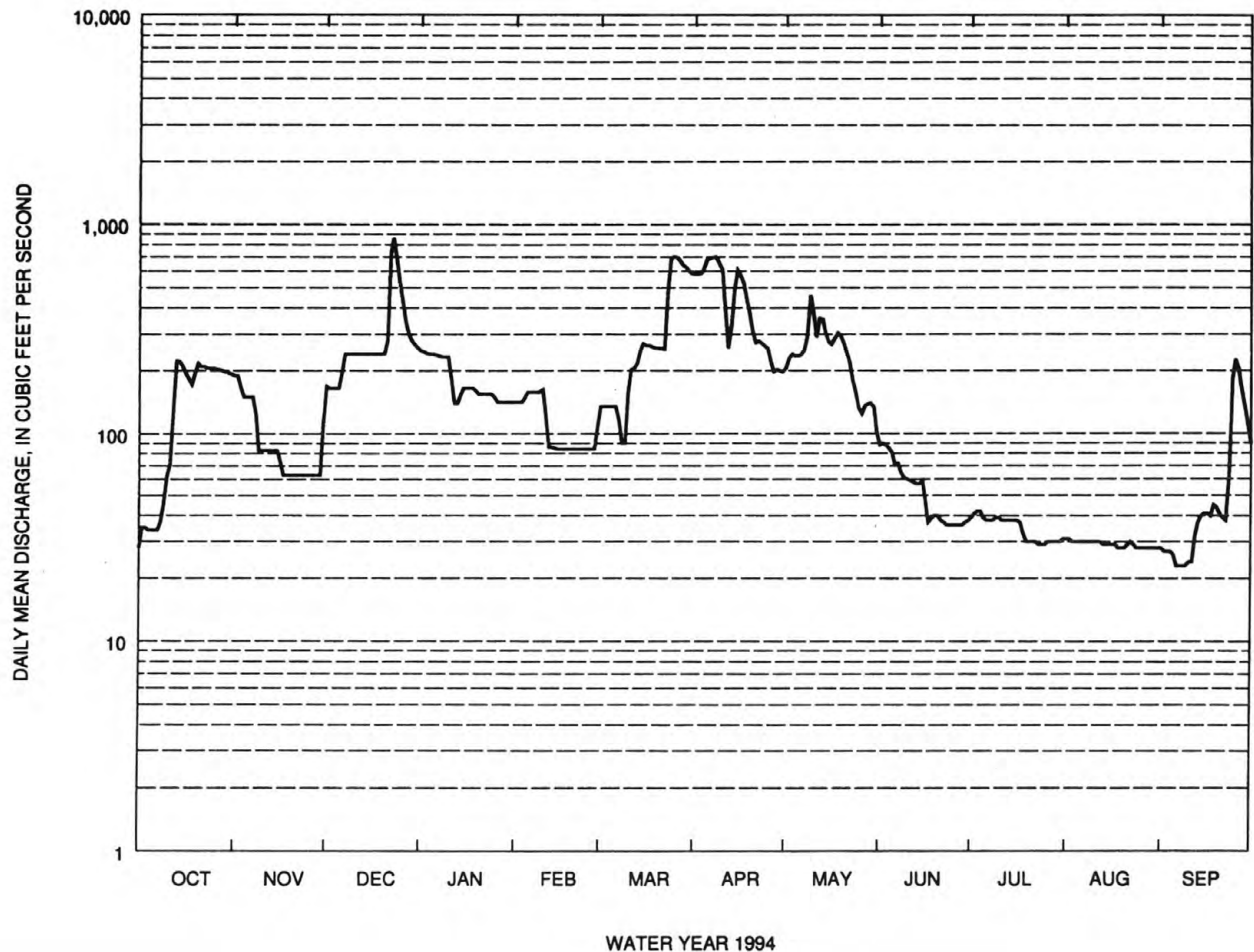
SUMMARY STATISTICS

FOR 1993 CALENDAR YEAR

FOR 1994 WATER YEAR

WATER YEARS 1969 - 1994

ANNUAL TOTAL	54733	61359	
ANNUAL MEAN	150	168	188
HIGHEST ANNUAL MEAN			307
LOWEST ANNUAL MEAN			98.6
			1984
			1985
HIGHEST DAILY MEAN	1670	Apr 13	862
LOWEST DAILY MEAN	20	Sep 26	23
ANNUAL SEVEN-DAY MINIMUM	20	Sep 24	24
			Dec 23
			Sep 6
			Sep 5
INSTANTANEOUS PEAK FLOW		904	Dec 23
INSTANTANEOUS PEAK STAGE		4.63	Dec 23
			4000
			6.70
			Apr 6 1984
			Apr 6 1984
10 PERCENT EXCEEDS	307	333	396
50 PERCENT EXCEEDS	83	135	135
90 PERCENT EXCEEDS	24	30	39



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	09-14-94 09-21-94	1.51 0.99
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	--	09-15-94 09-21-94	0.9 0.9
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	1964-82	09-14-94 09-21-94	0.12 0.08
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	--	09-15-94 09-22-94	4.66 2.46
GOOSE RIVER BASIN						
Goose River	Atlantic Ocean	Lat 44°31'18", long 68°59'52", at outlet of Swan Lake in Swanville, Maine.	10.9	--	11-16-93 11-16-93	4.42 9.95
KENNEBEC RIVER BASIN						
Wilson Stream 01047730	Kennebec River	Lat 44°36'55", long 70°11'42", Franklin County, 0.1 mi upstream from railroad bridge in East Wilton, and 1.5 mi downstream from Varnum Street in East Wilton, Maine.	45.8	many	08-16-94	14.4
Twentyfive Mile Stream	Sebasticoock River	Lat 44°37'33", long 69°21'28", Kennebec County, just below bridge on the Horseback Road, 0.9 mi north of Route 139 near Unity, Maine.	130	1985	05-04-94 06-24-94 07-20-94 08-19-94	318 111 34.6 12.8
ANDROSCOGGIN RIVER BASIN						
Little Androscoggin River	Androscoggin River	Lat 44°16'22", long 70°31'12", 100 yards upstream from confluence with Cole and Moody Brooks, 3.5 mi upstream from dam in South Paris, Maine.	about 77	--	09-15-94	5.74
Moody Brook	Little Androscoggin River	Lat 44°16'52", long 70°31'03", downstream side of culvert in Route 26, 0.8 mi above mouth and 3 mi north of South Paris, Maine.	--	--	09-15-94	^a 0.065
Cole Brook	Little Androscoggin River	Lat 44°16'32", long 70°30'52", downstream side of culvert in Route 26, 0.4 mi above mouth and 2.8 mi north of South Paris, Maine.	--	--	09-15-94	^a 0.13
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	--	09-15-94	7.97
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	--	09-15-94	8.66

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
SACO RIVER BASIN						
Sandy Brook 01067852	Deep Brook	Lat 43°31'44", long 70°28'50", at unnamed road crossing 200 ft downstream from edge of Saco Municipal Landfill, 2 mi northwest of Saco, Maine.	1.37	--	07-13-93 07-27-93 08-10-93 08-24-93 09-08-93 09-21-93 10-06-93 10-20-93 11-04-93 11-18-93 12-02-93 12-20-93 01-07-94	0.20 0.40 0.13 0.15 0.32 0.31 0.24 0.19 0.61 2.87 0.69 1.00 0.72
Big Ledge Brook 01067855	Sandy Brook	Lat 43°31'31", long 70°28'48", 0.1 mi upstream from mouth, 2 mi northwest of Saco, Maine.	0.818	--	07-13-93 07-27-93 08-10-93 08-24-93 09-08-93 09-21-93 10-06-93 10-20-93 11-04-93 12-02-93 12-20-93	0.06 0.04 0.04 0.03 0.04 0.03 0.04 0.04 0.49 0.65 0.66
Unnamed tributary 01067859	Deep Brook	Lat 43°31'54", long 70°28'32", at edge of Saco Municipal Landfill, 0.5 mi upstream from mouth, 2 mi northwest of Saco, Maine.	0.082	--	08-10-93 08-24-93 09-08-93 09-21-93 10-06-93 11-18-93 12-02-93 12-20-93	^a 0.014 ^a 0.004 ^a 0.009 ^a 0.010 ^a 0.04 ^a 0.24 ^a 0.12 ^a 0.15
Deep Brook 01067861	Saco River	Lat 43°30'57", long 70°28'30", at upstream end of culvert in Route 5, 1.5 mi upstream from mouth and 1.5 mi northwest of Saco, Maine.	4.38	--	07-13-93 07-27-93 08-10-93 08-24-93 09-08-93 09-21-93 10-06-93 10-20-93 11-18-93 12-02-93 12-20-93	0.86 1.35 0.71 0.56 0.58 0.56 1.00 0.88 13.7 4.20 5.44
PISCATAQUA RIVER BASIN						
Great Works River	Salmon Falls River	Lat 43°17'38", long 70°44'21", at abandoned railroad crossing at North Berwick Sewage Treatment Plant, 1 mi south of North Berwick, Maine.	45.2	--	12-08-93 04-14-94 08-05-94	90.7 289 12.3

**MISCELLANEOUS TEMPERATURE AND SPECIFIC CONDUCTANCE DETERMINATIONS
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994**

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPECIFIC CONDUCT- TANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPECIFIC CONDUCT- TANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)
ST. JOHN RIVER BASIN											
		01010000	ST. JOHN RIVER AT NINEMILE BRIDGE, ME (LAT 46 42 00N LONG 069 42 59W)								
JAN 1994						MAY					
11...	1000	360	66	0.0	-18.0	16...	1700	5910	25	7.0	13.0
MAR						SEP					
14...	1245	445	63	0.5	4.0	08...	0730	574	65	12.0	11.5
		01010070	BIG BLACK RIVER NEAR DEPOT MTN, ME (LAT 46 53 38N LONG 069 45 08W)								
JAN 1994						MAY					
11...	1400	54	86	0.0	-8.0	17...	1330	606	28	11.0	15.0
MAR						SEP					
15...	1030	22	100	0.0	3.0	07...	1500	89	95	13.5	14.0
		01010500	ST. JOHN RIVER AT DICKEY, ME (LAT 47 06 44N LONG 069 05 25W)								
OCT 1993						MAR					
26...	1515	7820	--	--	4.5	02...	0830	1920	71	0.0	-25.0
JAN 1994											
04...	0900	1410	68	0.0	-16.0						
		01011000	ALLAGASH RIVER NEAR ALLAGASH, ME (LAT 47 04 14N LONG 069 04 51W)								
OCT 1993						MAY					
04...	1640	1660	--	9.0	7.5	26...	0730	3210	46	10.5	7.5
JAN 1994						JUL					
04...	1100	1120	110	0.0	-15.0	26...	1005	2000	49	25.0	23.5
MAR											
02...	1330	611	64	0.0	-20.0						
		01013500	FISH RIVER NEAR FORT KENT, ME (LAT 47 14 14N LONG 068 34 56W)								
OCT 1993						MAY					
04...	1420	595	70	9.5	7.5	25...	1630	3860	58	9.0	13.5
MAR 1994						JUL					
01...	1600	479	90	0.0	-15.0	26...	1425	822	65	25.0	24.0
		01014000	ST. JOHN RIVER BELOW FISH R, AT FORT KENT, ME (LAT 47 15 27N LONG 068 35 35W)								
MAR 1994						MAY					
01...	1400	3900	87	0.0	-16.0	25...	1305	17200	62	8.0	14.0
		01015800	AROOSTOOK RIVER NEAR MASARDIS, ME (LAT 46 31 21N LONG 068 22 23W)								
OCT 1993						MAY					
04...	0800	1480	--	9.0	5.0	25...	0655	1900	42	13.5	9.5
JAN 1994						JUL					
03...	1130	1040	49	0.0	-20.0	27...	0950	359	60	24.0	23.0
MAR											
01...	0850	507	60	0.0	-17.0						
		01017000	AROOSTOOK RIVER AT WASHBURN, ME (LAT 46 46 36N LONG 068 09 29W)								
JAN 1994						MAY					
03...	1410	1240	62	0.0	-21.0	25...	0930	3470	190	12.0	11.5
FEB						JUL					
28...	1400	1020	70	0.0	-9.0	27...	0905	1160	68	23.0	23.5
ST. CROIX RIVER BASIN											
		01018500	ST. CROIX RIVER AT VANCEBORO, ME (LAT 45 34 08N LONG 067 25 47W)								
NOV 1993						SEP 1994					
02...	1130	220	31	5.5	9.5	21...	1548	698	30	16.0	17.0

**MISCELLANEOUS TEMPERATURE AND SPECIFIC CONDUCTANCE DETERMINATIONS
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994**

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DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)
ST. CROIX RIVER BASIN—continued											
		01019000	GRAND LAKE STREAM AT GRAND LAKE STREAM, ME (LAT 45 10 23N LONG 067 46 06W)								
NOV 1993						JUL					
02...	1410	102	24	8.0	7.5	18...	1230	414	25	24.0	27.0
MAY 1994						SEP					
23...	1555	590	26	11.0	22.0	21...	0935	546	29	15.0	15.0
DENNYS RIVER BASIN											
		01021200	DENNYS RIVER AT DENNYSVILLE, ME (LAT 44 54 03N LONG 067 14 56W)								
JAN 1994						JUL					
06...	1105	106	35	0.0	-14.0	18...	1710	59	36	24.5	24.0
FEB						SEP					
17...	1040	120	39	0.5	-5.0	20...	1630	55	41	15.5	18.5
MAY											
23...	1655	234	34	15.5	22.0						
NARRAGUAGUS RIVER BASIN											
		01022500	NARRAGUAGUS RIVER AT CHERRYFIELD, ME (LAT 44 36 29N LONG 067 56 10W)								
FEB 1994						SEP					
17...	1445	216	32	0.0	-1.0	20...	1306	41	42	17.0	20.5
PENOBSCOT RIVER BASIN											
		01030500	MATTAWAMKEAG RIVER NEAR MATTAWAMKEAG, ME (LAT 45 30 18N LONG 068 18 07W)								
JAN 1994						JUN					
31...	1330	1780	71	0.0	-18.0	15...	1055	805	51	21.0	25.0
MAR						AUG					
08...	1230	950	63	0.0	4.0	11...	1230	215	--	29.0	27.0
		01031500	PISCATAQUIS RIVER NEAR DOVER-FOXCROFT, ME (LAT 45 10 31N LONG 069 18 55W)								
JAN 1994						APR					
05...	1100	187	51	0.0	--	21...	1330	2440	80	2.0	10.0
						JUN					
14...	1000	160	52	0.0	-3.0	15...	1242	255	53	22.0	24.0
27...	1145	127	--	0.0	-19.0						
FEB						AUG					
02...	1530	199	50	0.0	-12.0	12...	1430	60	--	28.0	26.0
17...	1240	115	56	0.0	-2.0						
25...	1330	211	52	-5.0	0.0						
		01034000	PISCATAQUIS RIVER AT MEDFORD, ME (LAT 45 15 40N LONG 068 52 07W)								
FEB 1994						JUN					
02...	1245	1290	56	0.0	-10.0	14...	1245	1030	35	21.0	24.0
MAR						AUG					
08...	1630	1160	43	0.0	4.0	12...	1030	532	--	27.0	26.0
APR											
15...	1340	18500	24	--	--						
		01034500	PENOBSCOT RIVER AT WEST ENFIELD, ME (LAT 45 14 12N LONG 068 38 56W)								
FEB 1994						JUN					
01...	1345	9150	56	0.0	-20.0	14...	1000	--	--	20.0	19.0
MAR						AUG					
07...	1230	7470	59	0.0	1.0	12...	0730	4850	--	25.0	21.0
SHEEPSCOT RIVER BASIN											
		01038000	SHEEPSCOT RIVER AT NORTH WHITEFIELD, ME (LAT 44 13 23N LONG 069 35 38W)								
APR 1994						SEP					
14...	0845	1470	38	5.0	11.0	21...	0935	12	61	16.0	17.0
JUL											
29...	1105	28	73	23.0	28.0						

**MISCELLANEOUS TEMPERATURE AND SPECIFIC CONDUCTANCE DETERMINATIONS
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994**

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPECIFIC CONDUCT- TANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPECIFIC CONDUCT- TANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)
KENNEBEC RIVER BASIN											
01042500 KENNEBEC RIVER AT THE FORKS, ME (LAT 45 20 25N LONG 069 57 48W)											
OCT 1993						SEP 1994					
12...	1025	6200	34	8.0	7.0	07...	1010	237	33	15.5	17.0
01046500 KENNEBEC RIVER AT BINGHAM, ME (LAT 45 03 06N LONG 069 53 12W)											
OCT 1993						MAY 1994					
12...	1606	3780	39	12.5	6.0	16...	1140	12200	47	6.0	10.0
01047000 CARRABASSETT RIVER NEAR NORTH ANSON, ME (LAT 44 52 09N LONG 069 57 20W)											
JAN 1994						MAY					
06...	1300	262	46	0.0	-14.0	04...	0910	1560	28	7.0	12.0
MAR						SEP					
07...	1130	230	44	0.0	0.5	08...	1135	168	49	18.0	19.0
01048000 SANDY RIVER NEAR MERCER, ME (LAT 44 42 26N LONG 069 56 21W)											
JAN 1994						MAY					
06...	1050	458	60	0.0	-16.0	04...	1140	2060	39	7.5	15.5
MAR						SEP					
07...	0850	350	67	0.0	0.0	08...	1020	151	91	18.0	18.5
01049000 SEBASTICOOK RIVER NEAR PITTSFIELD, ME (LAT 44 43 00N LONG 069 24 56W)											
OCT 1993						JUN 1994					
13...	1215	231	118	--	--	16...	1015	725	89	22.0	25.0
01049500 COBBOSSEECONTEE STREAM AT GARDINER, ME (LAT 44 13 15N LONG 069 47 25W)											
AUG 1994											
03...	1145	40	86	26.0	25.0						
01049550 TOGUS STREAM AT TOGUS, ME (LAT 44 15 57N LONG 069 41 55W)											
APR 1994						SEP					
14...	1100	221	40	5.5	13.0	21...	1125	3.8	112	16.5	17.5
JUL											
29...	1150	6.7	52	24.0	27.0						
ANDROSCOGGIN RIVER BASIN											
01052500 DIAMOND RIVER NEAR WENTWORTH LOCATION, NH (LAT 44 52 40N LONG 071 03 25W)											
JAN 1994						MAY					
12...	1615	153	37	0.0	-8.5	10...	0840	1290	20	6.5	10.5
MAR						SEP					
09...	1530	97	38	0.0	-1.5	14...	0815	272	33	12.5	12.0
01053500 ANDROSCOGGIN RIVER AT ERROL, NH (LAT 44 46 57N LONG 071 07 46W)											
MAY 1994						SEP					
09...	1740	1970	22	7.0	21.0	13...	1615	1680	29	15.0	20.5
01054000 ANDROSCOGGIN RIVER NEAR GORHAM, NH (LAT 44 26 10N LONG 071 11 27W)											
MAY 1994											
10...	1400	3980	62	10.0	19.0						
01054500 ANDROSCOGGIN RIVER AT RUMFORD, ME (LAT 44 32 33N LONG 070 32 50W)											
NOV 1993						SEP					
09...	1115	3120	73	4.5	3.0	13...	0800	2080	104	16.5	15.0
APR 1994											
14...	1630	12300	53	4.0	17.0						
01055000 SWIFT RIVER NEAR ROXBURY, ME (LAT 44 38 32N LONG 070 35 17W)											
NOV 1993						MAR					
10...	1400	82	28	4.0	6.0	09...	0900	69	32	0.0	-3.0
JAN 1994						APR					
12...	0945	66	28	0.0	-5.5	14...	1315	1080	22	4.0	15.0
FEB						SEP					
07...	1000	55	29	0.0	-12.0	13...	1230	41	30	14.5	18.5

**MISCELLANEOUS TEMPERATURE AND SPECIFIC CONDUCTANCE DETERMINATIONS
WATER QUALITY DATA, WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994**

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DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPECIFIC CONDUCT- TANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS) (00061)	SPECIFIC CONDUCT- TANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	TEMPER- ATURE AIR (DEG C) (00020)
ANDROSCOGGIN RIVER BASIN—continued											
		01055500	NEZINSCOT RIVER AT TURNER CENTER, ME (LAT 44 16 10N LONG 070 13 49W)								
OCT 1993						APR					
15...	1210	96	101	9.0	11.0	29...	1335	783	42	10.0	10.0
JAN 1994						JUL					
25...	1215	98	74	0.0	9.0	11...	1155	71	90	24.5	28.0
MAR						SEP					
07...	0940	131	80	0.0	1.0	14...	1000	21	106	16.0	19.0
		01057000	LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME (LAT 44 18 13N LONG 070 32 24W)								
OCT 1993						APR					
13...	1345	93	70	6.0	6.5	29...	1100	373	37	7.0	11.0
JAN 1994						JUL					
25...	1000	45	56	0.0	5.0	11...	1550	30	60	24.0	29.0
MAR						SEP					
07...	1205	54	56	0.0	4.0	14...	1153	6.4	79	17.0	24.0
ROYAL RIVER BASIN											
		01060000	ROYAL RIVER AT YARMOUTH, ME (LAT 43 47 57N LONG 070 10 45W)								
OCT 1993						JUL					
14...	1540	103	139	9.5	11.5	14...	0805	40	134	24.0	21.5
JAN 1994						SEP					
24...	1400	84	110	0.0	8.0	30...	1352	157	99	14.0	13.0
SACO RIVER BASIN											
		01064500	SACO RIVER NEAR CONWAY, NH (LAT 43 59 27N LONG 071 05 29W)								
FEB 1994						JUL					
02...	1200	496	48	--	--	13...	0640	378	50	22.0	19.5
MAR						SEP					
09...	1046	515	61	0.0	2.0	23...	1330	198	58	14.5	15.5
APR											
15...	1230	5000	27	4.0	18.0						
		01065500	OSSIPPEE RIVER AT CORNISH, ME (LAT 43 48 26N LONG 070 47 55W)								
JAN 1994						APR					
24...	1100	496	40	0.0	6.0	15...	1120	4040	37	5.5	13.0
MAR						28...					
08...	1010	619	43	0.0	4.0	JUL					
						12...	1430	355	43	27.5	28.0

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.

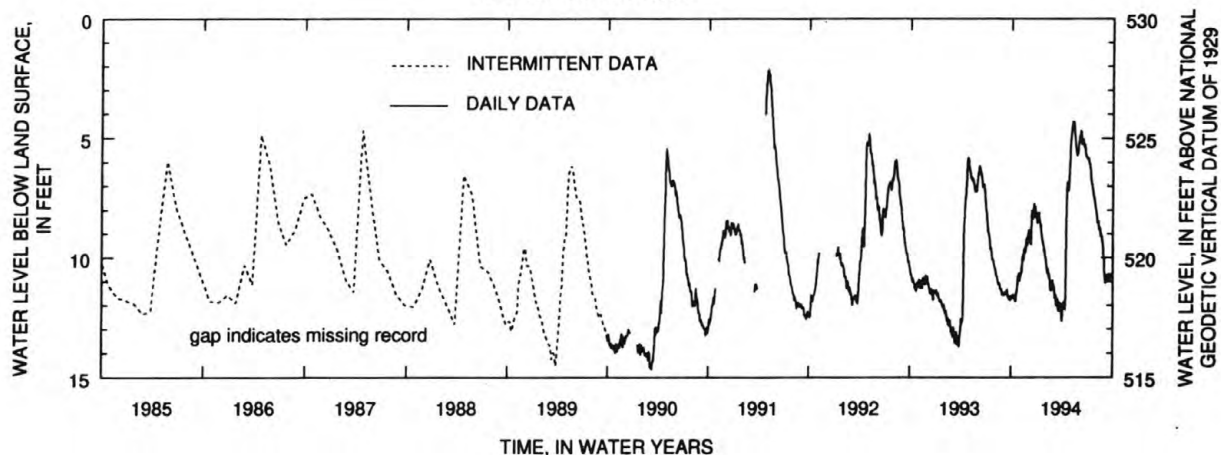
REVISED RECORDS.--WDR ME-84-1: 1980, 1981.

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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.73	10.76	9.05	8.38	10.07	11.28	12.50	5.44	5.19	5.76	7.97	10.70
2	11.73	10.77	8.93	8.38	10.11	11.30	12.70	5.12	4.98	5.86	8.04	10.81
3	11.65	10.78	8.86	8.56	10.20	11.31	12.29	4.95	4.87	5.86	8.08	11.03
4	11.57	10.72	8.91	8.29	10.39	11.14	12.01	4.83	4.96	5.86	8.15	11.09
5	11.65	10.55	8.92	8.10	10.45	11.29	12.08	4.69	4.98	5.83	8.26	10.94
6	11.61	10.41	9.02	8.18	10.67	11.67	11.99	4.47	4.85	5.83	8.53	10.73
7	11.53	10.64	9.14	8.25	10.57	11.66	11.83	4.63	4.72	5.99	8.50	10.79
8	11.64	10.40	9.19	8.11	10.49	11.54	11.91	4.54	4.74	6.08	8.44	10.88
9	11.57	10.17	9.40	8.11	10.46	11.68	12.13	4.30	4.76	6.05	8.45	10.92
10	11.66	10.00	9.42	8.36	10.57	11.52	12.07	4.31	4.98	6.04	8.52	10.92
11	11.73	9.92	8.94	8.42	10.69	11.65	12.12	4.38	5.25	6.17	8.62	10.80
12	11.67	9.87	8.45	8.49	10.84	11.99	12.15	4.34	5.29	6.31	8.74	10.70
13	11.56	10.16	8.34	8.53	10.76	12.03	11.98	4.32	5.17	6.37	8.84	10.78
14	11.72	9.96	8.06	8.64	10.67	11.87	11.54	4.41	5.21	6.60	8.73	10.86
15	11.85	9.72	8.00	8.63	10.85	11.76	11.27	4.63	5.14	6.79	8.73	10.86
16	11.81	9.67	8.12	8.88	11.00	11.68	10.47	4.71	5.00	6.82	8.83	10.85
17	11.68	9.65	8.21	8.97	11.12	11.69	8.85	4.88	5.14	6.94	8.83	10.67
18	11.41	9.70	8.39	8.92	11.34	11.90	7.78	4.97	5.30	6.94	9.02	10.93
19	11.48	9.85	8.15	9.11	11.41	12.20	7.24	5.23	5.32	6.95	9.00	10.80
20	11.39	9.63	8.01	9.19	11.37	12.20	6.88	5.34	5.35	7.05	9.11	10.77
21	11.29	9.73	7.91	9.26	11.37	12.27	6.80	5.45	5.29	7.13	9.06	10.72
22	11.20	9.52	7.72	9.31	11.37	11.97	6.88	5.52	5.25	7.20	9.12	10.73
23	11.17	9.43	8.15	9.44	11.31	11.84	7.05	5.54	5.37	7.33	9.27	10.73
24	10.84	9.18	8.30	9.45	11.04	11.96	7.02	5.62	5.54	7.45	9.22	10.71
25	10.77	9.23	8.04	9.61	10.95	11.88	7.22	5.70	5.75	7.45	9.37	10.80
26	10.91	9.35	7.83	9.71	11.03	12.18	7.12	5.67	5.68	7.51	9.50	10.88
27	10.78	9.50	7.97	9.78	11.01	12.25	6.71	5.57	5.75	7.55	9.70	10.83
28	10.65	9.26	8.10	9.64	11.07	11.91	6.37	5.67	5.79	7.58	10.06	10.70
29	10.84	9.15	8.11	9.76	---	12.07	6.02	5.62	5.81	7.73	9.90	10.76
30	11.00	9.15	8.15	10.00	---	12.26	5.77	5.47	5.80	7.85	10.18	10.85
31	10.90	---	8.35	9.97	---	12.32	---	5.28	---	7.91	10.51	---
LOW	11.85	10.78	9.42	10.00	11.41	12.32	12.70	5.70	5.81	7.91	10.51	11.09
HIGH	10.65	9.15	7.72	8.10	10.07	11.14	5.77	4.30	4.72	5.76	7.97	10.67
WTR YR 1994	HIGH 4.30 MAY 9 LOW 12.70 APR 2											

**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.

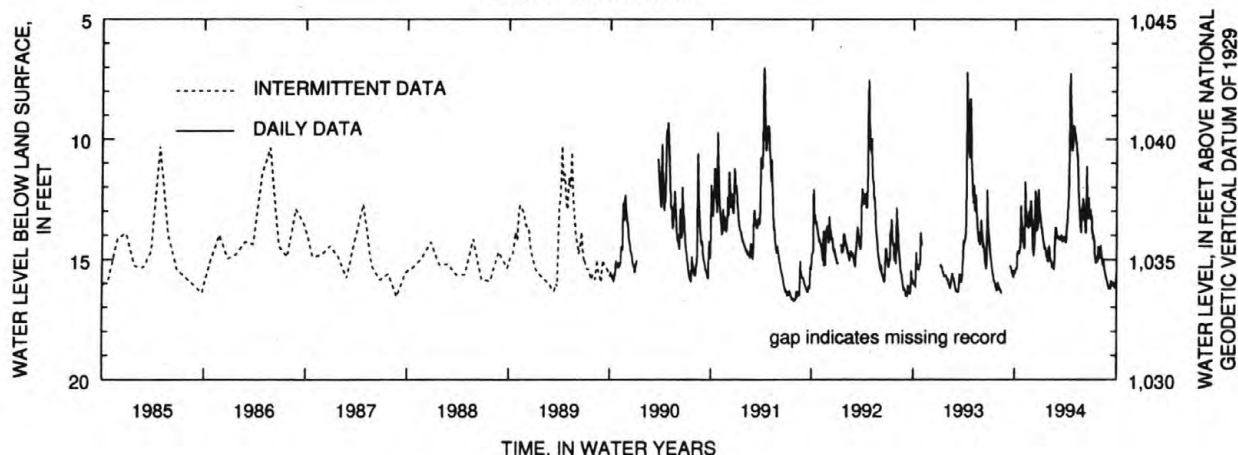
REVISED RECORDS.--WDR ME-84-1: 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.96 ft below land-surface datum, Apr. 26, 1983; lowest recorded, 16.97 ft below land-surface datum, Sept. 7, 1987.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.59	14.32	13.44	13.27	14.49	14.07	14.13	9.66	12.64	13.38	14.93	16.09
2	15.59	14.43	13.30	13.38	14.58	14.16	14.33	9.46	12.46	13.20	14.96	16.15
3	15.52	14.45	13.59	13.56	14.71	14.03	14.08	9.68	12.60	13.20	14.75	16.21
4	15.40	14.57	14.39	13.64	14.89	14.04	13.90	9.82	12.87	13.49	14.44	16.25
5	15.35	14.47	14.55	13.71	14.92	14.06	13.75	9.74	13.12	13.72	14.48	16.25
6	15.38	12.72	14.71	13.75	15.00	14.13	13.63	9.88	13.32	13.91	14.46	16.20
7	15.37	11.76	14.81	13.89	15.06	14.07	13.42	10.09	13.40	14.07	14.59	16.18
8	15.42	12.36	14.86	13.93	15.14	14.10	13.23	10.16	13.29	14.17	14.75	16.21
9	15.25	12.85	14.62	14.05	15.04	14.20	12.92	10.10	13.26	14.11	14.87	16.24
10	14.85	12.99	14.42	14.18	15.19	14.15	12.85	10.24	13.54	14.07	14.99	16.17
11	14.64	13.13	14.32	14.21	15.27	14.15	12.68	10.45	13.78	14.13	15.10	16.10
12	14.76	13.33	12.99	14.28	15.33	14.20	12.31	10.63	13.93	14.25	15.19	15.90
13	14.71	13.50	12.14	14.32	15.31	14.10	11.74	10.61	13.66	14.47	15.23	15.91
14	14.67	13.57	12.29	14.36	15.25	14.06	10.31	10.95	12.88	14.69	15.15	15.97
15	14.69	13.63	13.15	14.42	15.17	14.10	8.92	11.35	11.12	14.83	14.94	16.04
16	14.76	13.59	13.85	14.58	15.22	14.07	7.87	11.79	11.57	14.95	15.09	16.05
17	14.78	13.59	13.53	14.53	15.29	14.02	7.26	12.04	12.22	15.09	15.24	16.01
18	14.58	13.70	13.31	14.48	15.40	14.06	7.88	12.35	12.66	15.16	15.34	16.02
19	14.46	13.73	13.27	14.57	15.44	14.10	8.41	12.62	12.97	15.10	15.42	16.05
20	14.56	13.29	13.20	14.63	15.27	14.21	8.87	12.89	13.22	15.05	15.47	16.07
21	14.42	12.99	13.33	14.69	14.66	14.25	9.26	13.14	13.33	15.16	15.51	16.11
22	12.96	13.32	13.79	14.76	14.16	14.23	9.81	13.33	12.53	15.00	15.57	16.14
23	12.76	13.56	13.20	14.88	13.91	14.21	10.32	13.42	12.43	14.86	15.64	16.15
24	13.14	13.63	12.67	14.85	13.66	14.13	10.50	13.55	12.94	14.91	15.71	16.17
25	13.48	13.04	12.09	14.92	13.73	14.07	10.38	13.74	13.27	15.07	15.74	16.15
26	13.66	12.66	12.28	15.02	13.70	14.12	10.34	13.90	13.21	15.08	15.80	16.15
27	13.68	12.59	12.78	15.06	13.76	14.15	10.24	13.77	13.16	14.51	15.86	16.16
28	13.80	12.57	12.97	14.97	13.97	14.06	9.40	13.09	13.28	14.45	15.89	16.13
29	13.95	13.07	13.04	14.75	---	14.08	9.47	12.90	12.93	14.61	15.90	15.96
30	14.07	13.59	13.06	14.51	---	14.13	9.72	12.96	13.08	14.75	16.01	15.60
31	14.22	---	13.22	14.50	---	14.17	---	12.84	---	14.85	16.06	---
LOW	15.59	14.57	14.86	15.06	15.44	14.25	14.33	13.90	13.93	15.16	16.06	16.25
HIGH	12.76	11.76	12.09	13.27	13.66	14.02	7.26	9.46	11.12	13.20	14.44	15.60
WTR YR 1994	HIGH 7.26 APR 17 LOW 16.25 SEPT 4,5											

**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.

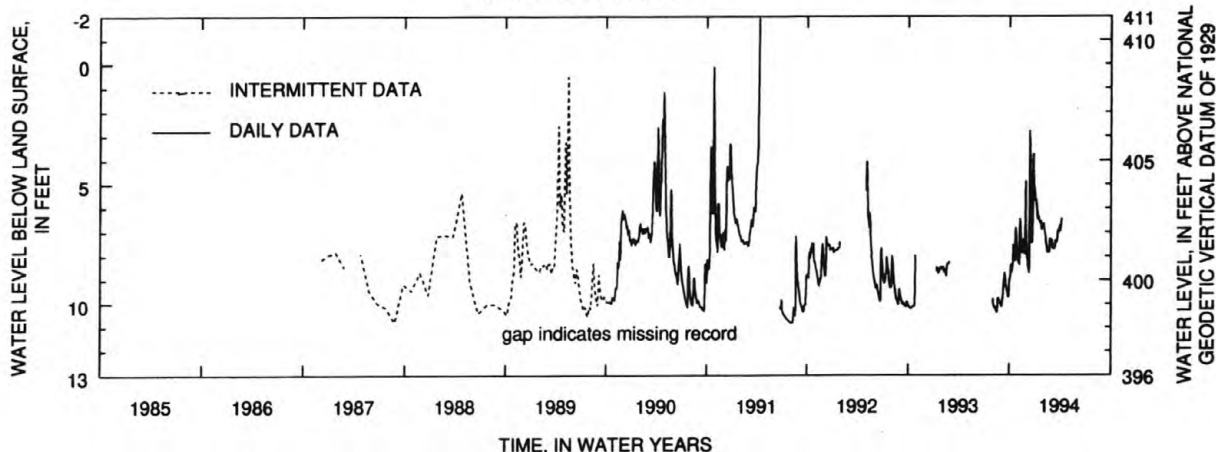
REVISED RECORDS --WRD ME-93-1: 1992.

EXTREMES FOR PERIOD OF RECORD --Highest water level recorded, 1.92 ft above land-surface datum, Apr. 10, 1991; lowest recorded, 10.96 ft below land-surface datum, Sept. 8, 9, 1987.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.93	8.14	7.70	5.45	6.67	7.33	6.77	---	---	---	---	---
2	8.99	8.24	7.87	5.60	6.63	7.35	6.92	---	---	---	---	---
3	8.97	8.31	7.99	5.74	6.68	7.36	6.92	---	---	---	---	---
4	8.69	8.30	8.10	5.67	6.84	7.34	6.78	---	---	---	---	---
5	8.42	8.32	8.24	5.67	6.94	7.57	6.63	---	---	---	---	---
6	8.37	7.96	8.38	5.81	7.05	7.67	6.43	---	---	---	---	---
7	8.45	6.97	8.44	5.90	7.15	7.70	m6.53	---	---	---	---	---
8	8.59	6.45	8.51	6.01	7.20	7.70	---	---	---	---	---	---
9	8.66	6.61	8.65	6.31	7.28	7.70	---	---	---	---	---	---
10	8.63	6.94	8.73	6.47	7.41	7.58	---	---	---	---	---	---
11	8.47	7.15	8.33	6.33	7.49	7.62	---	---	---	---	---	---
12	8.41	7.45	4.91	6.31	7.57	7.66	---	---	---	---	---	---
13	8.20	7.58	2.77	6.39	7.62	7.65	---	---	---	---	---	---
14	7.72	7.72	3.40	6.42	7.84	7.64	---	---	---	---	---	---
15	7.53	7.89	4.07	6.45	7.83	7.52	---	---	---	---	---	---
16	7.62	7.85	5.02	6.52	7.77	7.32	---	---	---	---	---	---
17	7.79	7.79	5.97	6.56	7.79	7.41	---	---	---	---	---	---
18	7.91	7.83	6.64	6.52	7.82	7.46	---	---	---	m10.16	---	---
19	8.06	7.89	7.08	6.58	7.82	7.45	---	---	---	---	---	---
20	8.16	7.80	7.41	6.57	7.81	7.44	---	---	---	---	---	---
21	8.23	7.45	7.48	6.55	7.82	7.40	---	---	---	---	---	---
22	7.78	7.27	7.31	6.56	7.75	7.31	---	---	---	---	---	---
23	7.00	7.34	6.90	6.78	7.54	7.22	---	---	---	---	---	---
24	6.81	7.58	6.28	6.93	7.35	7.05	---	---	---	---	---	---
25	7.04	7.89	4.14	6.82	7.29	6.94	---	---	m7.86	---	---	---
26	7.34	7.91	3.72	6.71	7.29	6.91	---	---	---	m9.90	---	---
27	7.58	5.59	4.47	6.74	7.30	6.99	---	m7.66	---	---	---	---
28	7.76	4.86	4.96	6.72	7.32	7.02	m3.81	---	---	---	---	m10.26
29	7.86	6.74	5.17	6.64	---	6.89	---	---	---	---	---	---
30	7.93	7.26	5.17	6.72	---	6.81	---	---	---	---	---	---
31	8.03	---	5.27	6.70	---	6.79	---	---	---	---	---	---
LOW	8.99	8.32	8.73	6.93	7.84	7.70	---	---	---	---	---	---
HIGH	6.81	4.86	2.77	5.45	6.63	6.79	---	---	---	---	---	---
WTR YR 1994	HIGH 2.77 DEC 13 LOW 10.26 SEPT 28											
m	Measured											

ARW 895
464234068010401



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.

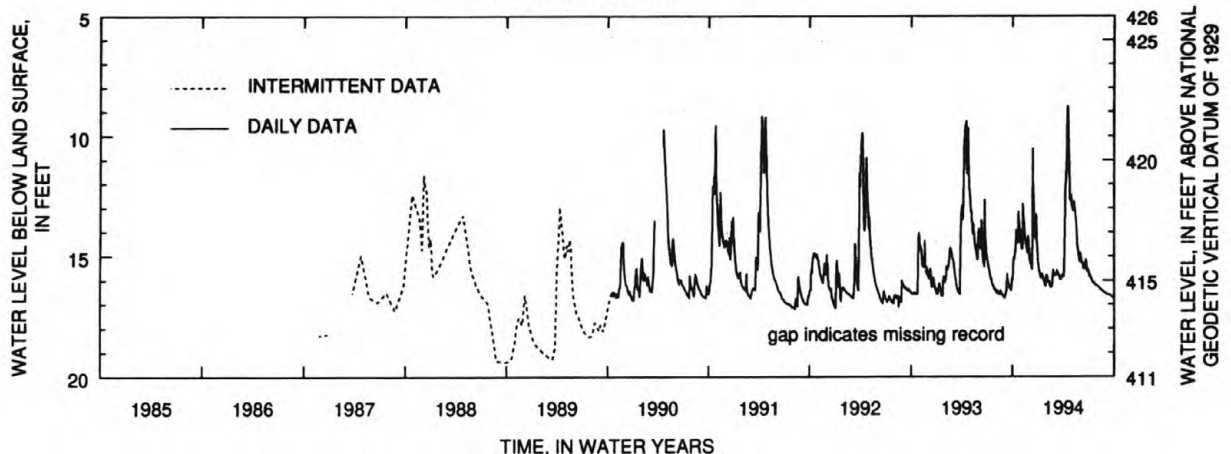
PERIOD OF RECORD.--Nov. 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 8.75 ft below land-surface datum, Apr. 17, 1994; lowest recorded, 19.38 ft below land-surface datum, Oct. 1-3, 1988.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.99	14.49	15.16	15.36	15.83	15.80	15.85	12.88	14.85	15.64	16.25	16.55
2	15.95	14.62	15.23	15.42	15.85	15.81	15.83	12.94	14.93	15.69	16.24	16.55
3	15.52	14.73	15.27	15.50	15.91	15.81	15.83	12.99	15.00	15.72	16.25	16.57
4	15.11	14.73	15.29	15.57	15.98	15.79	15.53	13.06	15.09	15.76	16.25	16.57
5	15.09	14.57	15.32	15.63	16.03	15.76	14.69	13.15	15.16	15.80	16.27	16.59
6	15.11	13.22	15.34	15.68	16.04	15.73	13.80	12.99	15.21	15.78	16.28	16.59
7	15.09	12.82	15.39	15.75	16.04	15.71	13.03	12.73	15.22	15.82	16.29	16.58
8	15.08	13.15	15.45	15.79	16.04	15.69	12.36	12.76	15.24	15.86	16.31	16.58
9	15.04	13.36	15.51	15.85	16.04	15.65	11.99	12.77	15.30	15.87	16.32	16.58
10	14.71	13.54	15.54	15.88	16.10	15.63	11.94	12.73	15.37	15.88	16.33	16.58
11	14.79	13.74	13.80	15.89	16.16	15.65	11.70	12.85	15.41	15.91	16.35	16.58
12	14.89	13.90	10.51	15.88	16.20	15.70	11.21	13.01	15.45	15.96	16.36	16.59
13	13.95	14.14	11.61	15.84	16.24	15.75	10.81	13.10	15.49	15.99	16.38	16.61
14	13.90	14.25	12.30	15.80	16.27	15.78	10.40	13.16	15.46	16.02	16.37	16.61
15	14.09	14.31	12.64	15.76	16.29	15.80	9.94	13.27	15.40	16.04	16.37	16.62
16	14.13	14.33	13.01	15.78	16.27	15.81	9.21	13.39	15.46	16.07	16.39	16.63
17	14.17	14.46	13.39	15.83	16.26	15.79	8.75	13.52	15.52	16.08	16.41	16.62
18	14.22	14.53	13.68	15.89	16.26	15.80	9.09	13.71	15.50	16.09	16.44	16.63
19	14.31	14.67	13.91	15.93	16.25	15.85	9.79	13.94	15.26	16.09	16.45	16.65
20	14.49	14.43	14.11	15.95	16.23	15.91	10.49	14.16	15.30	16.11	16.45	16.67
21	14.43	14.49	14.27	16.00	16.05	15.96	10.92	14.35	15.36	16.12	16.45	16.67
22	13.14	14.69	13.34	16.02	15.70	15.97	11.36	14.50	15.11	16.13	16.45	16.68
23	13.29	14.81	13.72	16.04	15.54	15.97	11.99	14.60	15.26	16.15	16.47	16.68
24	13.58	14.91	13.25	16.12	15.58	15.94	12.42	14.70	15.39	16.16	16.49	16.69
25	13.75	14.14	13.41	16.16	15.68	15.91	12.63	14.83	15.48	16.19	16.50	16.70
26	13.93	14.25	14.16	16.18	15.74	15.87	12.72	15.01	15.56	16.20	16.50	16.71
27	14.04	14.50	14.38	16.22	15.77	15.80	12.66	14.99	15.60	16.20	16.50	16.73
28	13.96	14.79	14.42	16.22	15.80	15.78	12.44	15.02	15.64	16.21	16.50	16.70
29	14.02	14.73	14.77	15.96	---	15.79	12.49	15.10	15.53	16.19	16.50	16.65
30	14.17	14.94	15.04	15.76	---	15.81	12.75	15.18	15.58	16.21	16.52	16.63
31	14.33	---	15.23	15.81	---	15.82	---	15.21	---	16.23	16.53	---
LOW	15.99	14.94	15.54	16.22	16.29	15.97	15.85	15.21	15.64	16.23	16.53	16.73
HIGH	13.14	12.82	10.51	15.36	15.54	15.63	8.75	12.73	14.85	15.64	16.24	16.55
WTR YR 1994	HIGH 8.75 APR 17 LOW 16.73 SEPT 27											

**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.

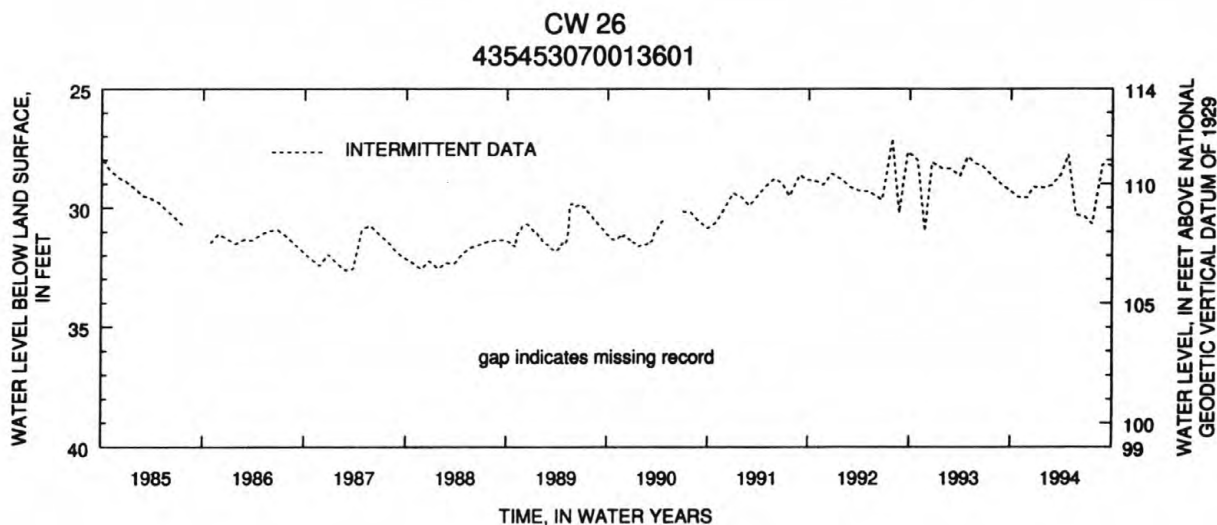
PERIOD OF RECORD.--Apr. 1958 to current year.

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 1993 TO SEPTEMBER 1994**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	29.55	DEC 20	29.13	FEB 25	29.07	APR 26	27.78	JUN 22	30.35	AUG 26	28.18
NOV 29	29.58	JAN 27	29.16	MAR 29	28.62	MAY 23	30.28	JUL 20	30.66	SEP 28	28.22
WTR YR 1994 HIGH 27.78 APR 26 LOW 30.66 JUL 20											



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.

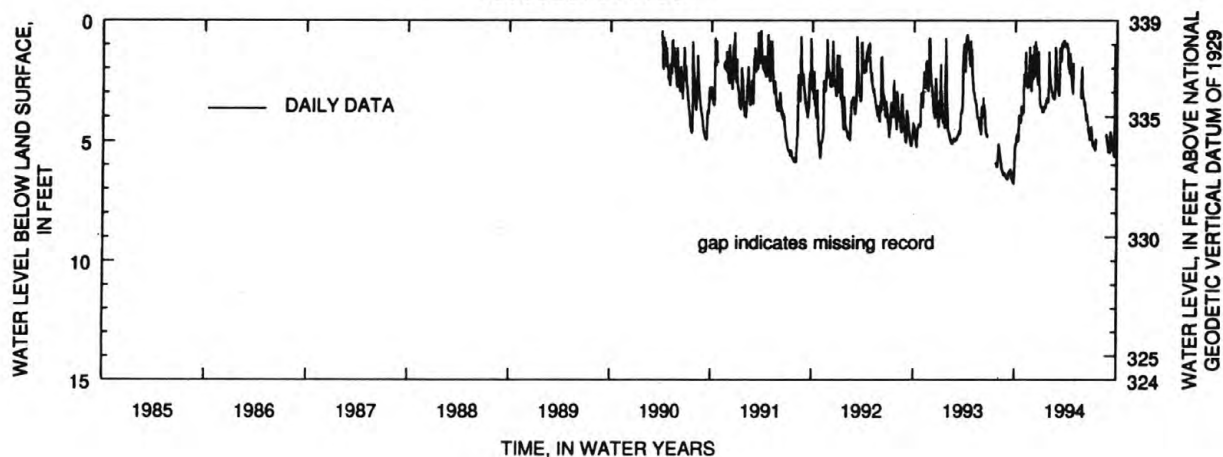
PERIOD OF RECORD.--Nov. 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 0.41 ft below land-surface datum, Mar. 28, 1991; lowest recorded, 6.80 ft below land-surface datum, Sep. 26, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.15	2.20	2.30	3.58	2.41	2.81	1.01	---	3.22	4.48	---	5.49
2	5.13	2.25	2.47	3.58	2.52	2.89	1.08	---	3.24	4.62	---	5.39
3	5.14	2.47	2.33	3.64	2.59	2.77	.95	---	3.34	4.80	---	5.38
4	4.98	2.44	2.30	3.57	2.74	2.85	.97	---	3.47	4.93	---	5.44
5	4.89	1.97	1.02	3.78	2.74	3.06	1.18	---	3.55	5.05	---	5.46
6	4.78	1.31	1.36	3.85	2.88	3.15	1.21	---	3.42	5.15	---	4.89
7	4.73	2.11	1.73	3.81	2.97	3.06	1.14	---	3.39	5.21	---	4.60
8	4.77	2.42	2.00	3.70	3.02	1.61	1.72	---	3.62	5.24	---	4.64
9	4.78	2.51	2.32	3.80	3.02	1.45	2.01	---	3.77	5.25	---	4.73
10	4.91	2.60	2.20	3.85	3.21	1.19	1.68	---	3.99	5.23	---	4.83
11	4.98	2.65	.84	3.72	3.17	1.12	1.85	---	4.16	5.10	---	4.92
12	4.94	2.73	1.28	3.67	3.19	1.34	2.23	---	4.18	5.14	---	5.01
13	4.07	2.82	1.97	3.59	3.08	1.55	1.65	---	3.98	5.27	---	5.10
14	3.92	2.59	1.38	3.50	3.20	1.73	1.34	---	3.92	5.33	---	5.18
15	3.96	2.60	1.12	3.58	3.24	1.48	1.88	---	3.93	5.41	---	5.25
16	4.03	2.78	1.64	3.66	3.27	.92	1.53	---	4.05	5.29	---	5.31
17	4.03	2.74	2.30	3.48	3.24	.99	1.61	---	4.26	4.99	---	5.35
18	4.08	1.85	2.59	3.32	3.29	1.07	2.14	---	4.37	4.96	---	5.41
19	4.20	1.93	2.54	3.32	3.17	1.06	2.35	---	4.49	4.99	---	5.47
20	4.26	1.09	2.68	3.31	2.63	1.09	2.53	---	4.61	---	---	5.54
21	4.12	1.89	1.64	3.24	1.09	1.05	2.70	---	4.69	m5.16	---	5.60
22	3.54	2.14	1.26	3.23	1.46	.82	2.81	---	4.74	---	---	5.68
23	3.58	2.32	1.97	3.28	1.74	.86	2.88	---	4.82	---	m4.71	4.65
24	3.60	2.37	2.58	3.26	1.81	.90	2.95	m3.26	4.91	---	m4.76	.98
25	3.87	2.69	2.75	3.39	2.16	.86	3.09	2.66	4.99	---	4.84	1.63
26	3.89	2.92	2.97	3.41	2.32	.92	1.77	2.24	4.79	---	4.95	2.15
27	3.79	2.96	3.23	3.39	2.50	1.00	---	1.92	4.65	---	5.06	2.36
28	3.71	1.92	3.36	2.26	2.69	.93	m1.90	2.46	4.70	---	5.14	1.30
29	3.78	1.42	3.47	1.29	---	1.08	---	2.82	4.49	---	5.23	1.93
30	3.86	1.86	3.56	1.97	---	1.12	---	2.95	4.39	---	5.35	2.35
31	3.33	---	3.63	2.24	---	1.03	---	3.11	---	---	5.45	---
LOW	5.15	2.96	3.63	3.85	3.29	3.15	---	---	4.99	---	---	5.68
HIGH	3.33	1.09	.84	1.29	1.09	.82	---	---	3.22	---	---	.98
WTR YR 1994	HIGH .82 MAR 22 LOW 5.68 SEP 22											
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.

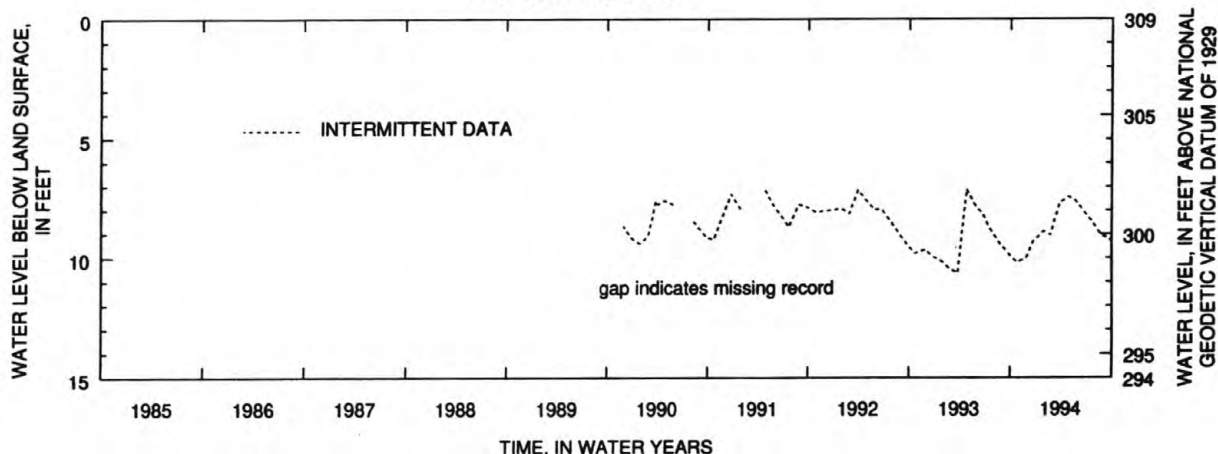
PERIOD OF RECORD.--Nov. 1989 to current year. Records prior to Nov. 1989 have not been published, but are available in the files of the U.S. Geological Survey.

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 1993 TO SEPTEMBER 1994**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	10.20	DEC 21	9.33	FEB 22	9.05	APR 28	7.43	JUN 27	8.12	AUG 23	9.04
NOV 29	9.98	JAN 28	8.89	MAR 28	7.69	MAY 24	7.59	JUL 21	8.46	SEP 30	9.27
WTR YR 1994 HIGH 7.43 APR 28 LOW 10.20 OCT 25											

**CW 1383
435653070201801**



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.

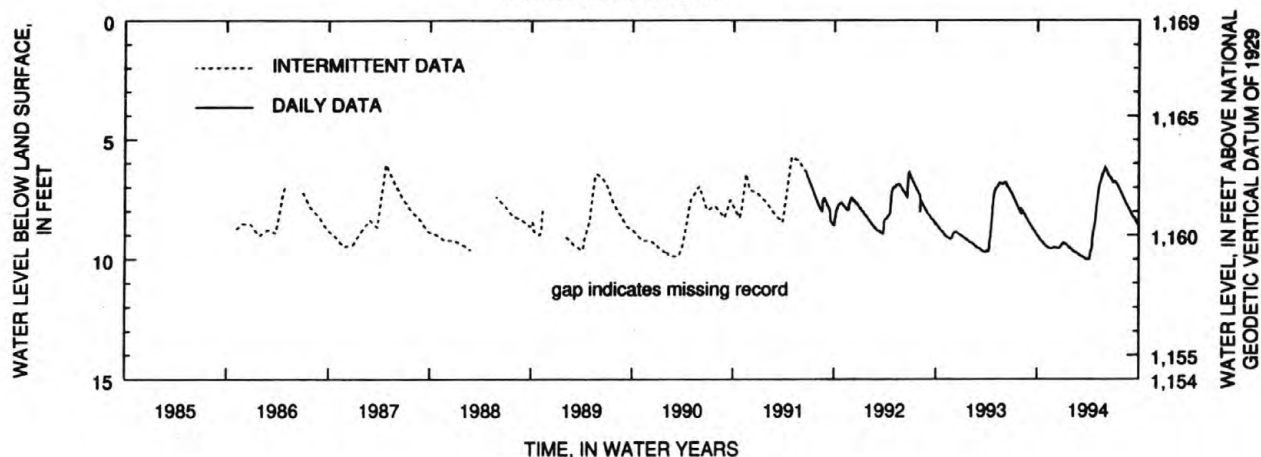
PERIOD OF RECORD.--Aug. 1985 to current year. Records prior to Oct. 1985 have not been published, but are available in the files of the U.S. Geological Survey.

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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.01	9.45	9.53	9.36	9.59	9.82	10.01	7.82	6.17	6.79	7.29	8.03
2	9.02	9.47	9.51	9.35	9.60	9.84	10.03	7.72	6.18	6.76	7.32	8.05
3	9.03	9.47	9.51	9.35	9.60	9.84	10.01	7.62	6.20	6.75	7.35	8.07
4	9.05	9.48	9.51	9.35	9.62	9.84	10.01	7.53	6.23	6.75	7.37	8.11
5	9.07	9.47	9.51	9.34	9.62	9.86	10.00	7.43	6.25	6.73	7.40	8.13
6	9.10	9.49	9.53	9.35	9.65	9.86	9.99	7.33	6.26	6.75	7.43	8.14
7	9.11	9.51	9.53	9.35	9.66	9.86	9.88	7.27	6.27	6.77	7.45	8.16
8	9.13	9.51	9.53	9.35	9.66	9.87	9.77	7.17	6.31	6.79	7.47	8.18
9	9.15	9.53	9.53	9.35	9.67	9.88	9.71	7.07	6.34	6.79	7.50	8.21
10	9.16	9.53	9.54	9.37	9.68	9.88	9.70	6.99	6.38	6.79	7.53	8.22
11	9.17	9.53	9.54	9.37	9.69	9.89	9.67	6.92	6.41	6.81	7.55	8.24
12	9.18	9.54	9.54	9.37	9.69	9.90	9.64	6.85	6.42	6.83	7.59	8.27
13	9.20	9.54	9.54	9.38	9.69	9.90	9.59	6.82	6.44	6.85	7.60	8.29
14	9.22	9.54	9.54	9.39	9.71	9.91	9.52	6.78	6.46	6.87	7.62	8.31
15	9.23	9.55	9.54	9.40	9.71	9.91	9.43	6.74	6.50	6.89	7.66	8.32
16	9.24	9.56	9.54	9.42	9.72	9.91	9.30	6.71	6.52	6.92	7.68	8.34
17	9.25	9.56	9.54	9.43	9.73	9.93	9.13	6.69	6.53	6.93	7.70	8.31
18	9.27	9.56	9.54	9.43	9.73	9.93	9.00	6.63	6.55	6.95	7.71	8.35
19	9.27	9.56	9.52	9.46	9.75	9.93	8.91	6.59	6.57	6.97	7.75	8.38
20	9.29	9.56	9.52	9.48	9.75	9.95	8.82	6.55	6.58	6.99	7.77	8.39
21	9.29	9.57	9.50	9.49	9.75	9.96	8.76	6.50	6.58	7.01	7.79	8.40
22	9.32	9.55	9.49	9.49	9.77	9.97	8.69	6.48	6.60	7.03	7.81	8.43
23	9.35	9.55	9.47	9.50	9.77	9.98	8.64	6.45	6.62	7.06	7.83	8.49
24	9.36	9.55	9.46	9.51	9.77	10.01	8.59	6.45	6.65	7.10	7.85	8.51
25	9.37	9.54	9.44	9.52	9.78	10.00	8.54	6.41	6.68	7.11	7.87	8.52
26	9.37	9.53	9.43	9.54	9.79	10.00	8.47	6.40	6.70	7.13	7.89	8.51
27	9.39	9.53	9.42	9.54	9.81	9.99	8.40	6.36	6.72	7.16	7.91	8.56
28	9.40	9.50	9.41	9.54	9.82	9.99	8.21	6.30	6.74	7.19	7.94	8.57
29	9.41	9.52	9.39	9.56	---	9.99	8.06	6.25	6.77	7.22	7.96	8.56
30	9.43	9.53	9.37	9.58	---	10.00	7.94	6.23	6.78	7.25	7.99	8.57
31	9.44	---	9.37	9.58	---	10.00	---	6.19	---	7.27	8.01	---
LOW	9.44	9.57	9.54	9.58	9.82	10.01	10.03	7.82	6.78	7.27	8.01	8.57
HIGH	9.01	9.45	9.37	9.34	9.59	9.82	7.94	6.19	6.17	6.73	7.29	8.03
WTR YR 1994	HIGH 6.17 JUN 1 LOW 10.03 APR 2											

**FW 893
451128070280301**



GROUND-WATER RECORDS

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.

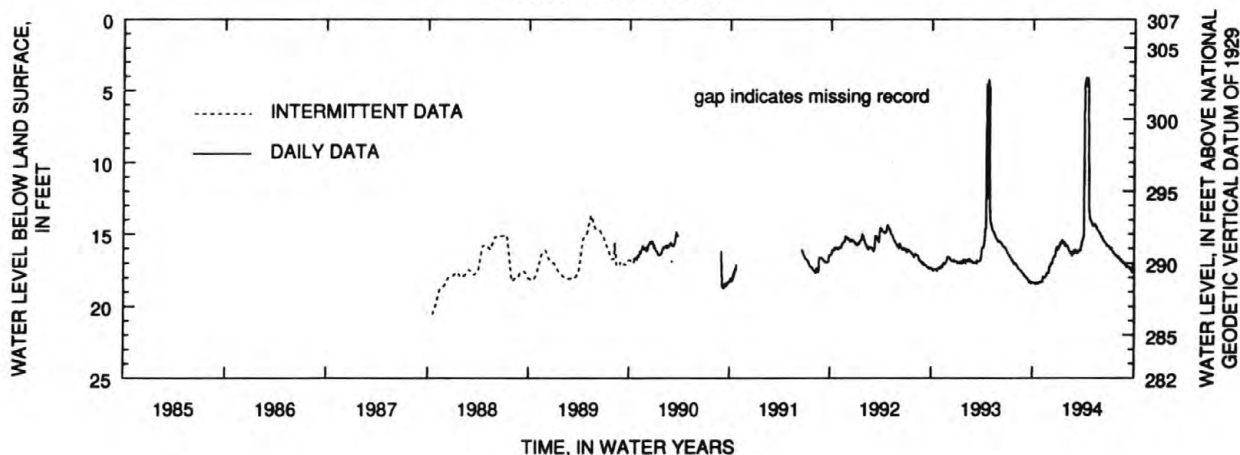
PERIOD OF RECORD.--Oct. 1987 to current year.

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 1993 TO SEPTEMBER 1994
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.36	18.28	17.26	15.97	15.77	16.22	15.31	14.21	14.97	15.84	16.60	17.16
2	18.36	18.26	17.25	15.90	15.83	16.28	15.25	14.21	14.98	15.82	16.63	17.20
3	18.34	18.26	17.19	15.93	15.84	16.25	15.05	14.27	15.06	15.85	16.61	17.26
4	18.33	18.21	17.17	15.88	15.87	16.12	8.31	14.36	15.11	15.90	16.61	17.32
5	18.35	18.33	17.08	15.77	15.90	16.13	4.70	14.40	15.17	15.94	16.58	17.31
6	18.39	18.05	17.01	15.78	15.95	16.24	4.59	14.38	15.21	15.96	16.61	17.22
7	18.39	17.99	17.01	15.77	16.01	16.30	4.37	14.41	15.19	16.02	16.64	17.21
8	18.39	18.02	17.03	15.71	16.10	16.29	4.33	14.44	15.18	16.06	16.69	17.23
9	18.38	18.01	17.04	15.62	16.14	16.31	4.27	14.31	15.22	16.08	16.72	17.24
10	18.39	18.00	17.03	15.65	16.18	16.28	4.22	14.30	15.31	16.03	16.74	17.24
11	18.45	17.98	16.91	15.65	16.24	16.23	4.29	14.36	15.37	16.00	16.77	17.27
12	18.45	17.96	16.73	15.57	16.26	16.29	4.43	14.38	15.41	16.04	16.80	17.28
13	18.37	18.00	16.72	15.51	16.26	16.28	4.61	14.32	15.44	16.10	16.81	17.30
14	18.38	17.96	16.71	15.47	16.24	16.24	4.48	14.34	15.45	16.14	16.79	17.32
15	18.36	17.93	16.64	15.44	16.32	16.21	4.72	14.43	15.49	16.18	16.82	17.36
16	18.36	17.92	16.56	15.52	16.34	16.18	4.64	14.49	15.52	16.20	16.87	17.39
17	18.36	17.89	16.56	15.59	16.39	16.15	4.08	14.47	15.55	16.25	16.90	17.39
18	18.33	17.85	16.59	15.46	16.42	16.12	4.39	14.46	15.57	16.28	16.92	17.40
19	18.36	17.85	16.55	15.49	16.48	16.09	4.72	14.52	15.58	16.30	16.90	17.46
20	18.41	17.72	16.54	15.55	16.48	16.11	5.94	14.58	15.63	16.34	16.91	17.49
21	18.41	17.68	16.52	15.57	16.44	16.16	11.37	14.63	15.64	16.37	16.90	17.53
22	18.35	17.68	16.22	15.55	16.42	16.14	13.23	14.67	15.65	16.37	16.89	17.58
23	18.33	17.68	16.12	15.58	16.39	16.02	13.67	14.70	15.69	16.39	16.93	17.62
24	18.31	17.66	16.11	15.59	16.27	15.96	13.82	14.75	15.76	16.42	16.96	17.49
25	18.30	17.70	16.05	15.67	16.16	15.82	13.93	14.81	15.81	16.44	16.98	17.29
26	18.36	17.71	15.97	15.75	16.15	15.69	14.02	14.82	15.82	16.46	17.00	17.19
27	18.33	17.71	16.06	15.84	16.14	15.59	14.03	14.80	15.84	16.48	17.02	17.15
28	18.27	17.66	16.11	15.82	16.18	15.47	14.03	14.83	15.85	16.49	17.07	17.08
29	18.28	17.36	16.10	15.71	---	15.41	14.08	14.88	15.85	16.50	17.08	17.01
30	18.30	17.21	16.03	15.76	---	15.40	14.14	14.93	15.85	16.52	17.13	16.96
31	18.31	---	15.99	15.78	---	15.38	---	14.96	---	16.56	17.15	---
LOW	18.45	18.33	17.26	15.97	16.48	16.31	15.31	14.96	15.85	16.56	17.15	17.62
HIGH	18.27	17.21	15.97	15.44	15.77	15.38	4.08	14.21	14.97	15.82	16.58	16.96
WTR YR 1994	HIGH 4.08 APR 17 LOW 18.45 OCT 11,12											

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.

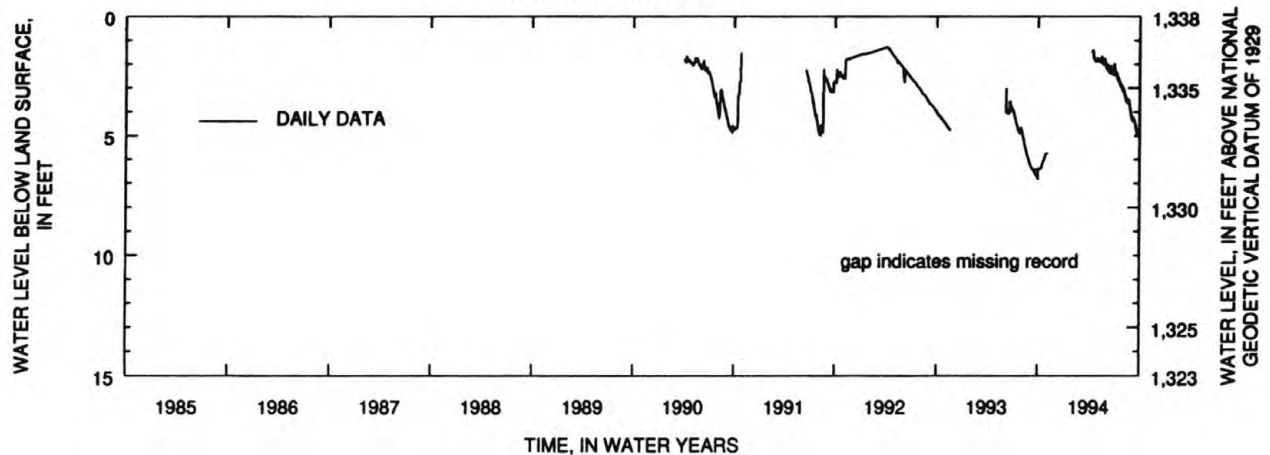
PERIOD OF RECORD.--Sept. 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.34 ft below land-surface datum, Nov. 16, 1990; lowest recorded, 6.81 ft below land-surface datum, Sep. 30, 1993.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
 DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.36	5.76	---	---	---	---	---	1.73	2.02	1.96	3.17	4.18
2	6.37	5.75	---	---	---	---	---	1.78	2.07	2.11	3.11	4.24
3	6.37	5.73	---	---	---	---	---	1.85	2.12	2.17	2.99	4.28
4	6.38	---	---	---	---	---	---	1.90	2.16	2.33	3.09	4.35
5	6.40	m5.70	---	---	---	---	---	1.87	2.20	2.39	3.10	4.37
6	6.41	---	---	---	---	---	---	1.84	2.20	2.44	3.14	4.22
7	6.40	---	---	---	---	---	---	1.92	1.99	2.43	3.25	4.22
8	6.41	---	---	---	---	---	---	1.80	2.07	2.37	3.34	4.27
9	6.39	---	---	---	---	---	---	1.75	2.17	2.39	3.41	4.31
10	6.40	---	---	---	---	---	---	1.85	2.25	2.35	3.29	4.35
11	6.38	---	---	---	---	---	---	1.91	2.29	2.45	3.41	4.37
12	6.37	---	---	---	---	---	m1.49	1.81	2.26	2.51	3.51	4.40
13	6.32	---	---	---	---	---	1.52	1.78	2.29	2.57	3.52	4.44
14	6.27	---	---	---	---	---	1.43	1.88	2.28	2.63	3.41	4.50
15	6.22	---	---	---	---	---	1.39	1.93	2.34	2.60	3.46	4.55
16	6.17	---	---	---	---	---	1.39	1.88	2.40	2.54	3.57	4.61
17	6.13	---	---	---	---	---	1.58	1.65	2.37	2.63	3.64	4.64
18	6.09	---	---	---	---	---	1.72	1.78	2.05	2.68	3.58	4.70
19	6.08	---	---	---	---	---	1.72	1.84	2.14	2.65	3.49	4.75
20	6.08	---	---	---	---	---	1.74	1.90	2.27	2.71	3.56	4.80
21	6.06	---	---	---	---	---	1.81	1.94	2.28	2.77	3.54	4.87
22	6.03	---	---	---	---	---	1.84	1.99	2.27	2.81	3.46	4.92
23	5.98	---	---	---	---	---	1.85	2.01	2.36	2.87	3.54	4.98
24	5.92	---	---	---	---	---	1.87	2.04	2.43	2.90	3.64	4.96
25	5.89	---	---	---	---	---	1.90	1.99	2.37	2.94	3.72	4.95
26	5.86	---	---	---	---	m2.70	1.85	1.88	2.23	2.94	3.80	4.97
27	5.79	---	m2.23	m2.72	---	---	1.76	1.73	2.33	2.86	3.86	4.99
28	5.76	m3.67	---	---	m2.57	---	1.73	1.86	2.32	2.88	3.91	5.00
29	5.77	---	---	---	---	---	1.79	1.95	2.41	2.90	4.00	4.98
30	5.77	---	---	---	---	---	1.85	1.92	2.42	2.99	4.09	4.98
31	5.77	---	---	---	---	m2.76	---	1.97	---	3.08	4.14	---
LOW	6.41	---	---	---	---	---	---	2.04	2.43	3.08	4.14	5.00
HIGH	5.76	---	---	---	---	---	---	1.65	1.99	1.96	2.99	4.18
WTR YR 1994 HIGH 1.39 APR 15,16 LOW 6.41 OCT 6,8												
m Measured												

**FW 908
 450539070301301**



GROUND-WATER RECORDS

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.

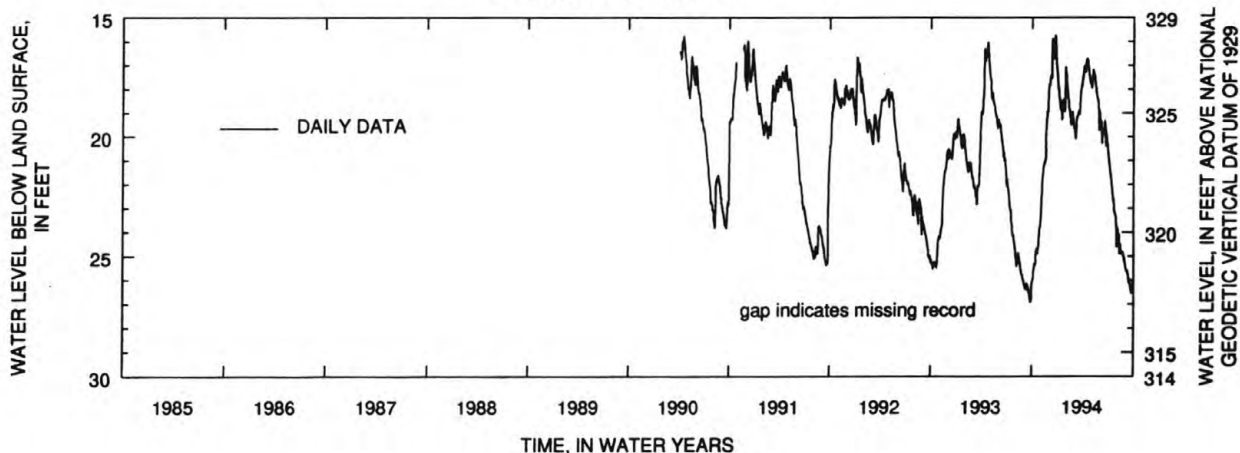
PERIOD OF RECORD.--Nov. 1989 to current year.

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, Sep. 25, 26, 1993.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.06	23.43	17.83	17.75	17.29	19.58	17.55	17.74	18.93	20.66	24.62	25.40
2	26.04	23.17	17.79	17.79	17.47	19.69	17.57	17.79	19.05	20.73	23.76	25.49
3	25.99	22.68	17.79	18.05	17.57	19.59	17.43	17.93	19.14	20.83	23.83	25.57
4	25.92	22.57	17.87	17.88	17.85	19.65	17.29	17.98	19.33	20.99	23.83	25.60
5	25.83	22.32	17.65	18.17	17.92	19.94	17.14	17.81	19.37	21.04	23.97	25.66
6	25.65	22.04	17.52	18.41	18.02	20.07	17.10	17.49	19.43	21.16	24.05	25.64
7	25.58	21.83	17.54	18.44	18.26	20.10	17.01	17.49	19.32	21.32	24.09	25.61
8	25.47	21.68	17.52	18.41	18.41	19.96	17.12	17.36	19.44	21.46	24.12	25.61
9	25.33	21.49	17.56	18.56	18.45	19.76	17.12	17.25	20.31	21.54	24.11	25.70
10	25.33	21.52	17.56	18.79	18.74	19.43	17.03	17.27	19.79	21.54	24.32	25.72
11	25.38	21.31	17.03	18.83	18.81	19.12	17.32	17.33	19.75	21.73	24.91	25.76
12	25.35	21.21	15.99	18.85	18.84	19.19	17.01	17.35	19.83	21.82	24.44	26.12
13	25.24	21.19	15.87	18.87	18.80	19.14	16.99	17.36	19.87	21.96	24.47	25.90
14	25.01	21.04	15.90	18.87	18.99	19.17	16.78	17.50	19.78	22.10	24.50	25.98
15	24.82	21.00	16.01	19.09	19.13	19.13	16.80	17.57	19.74	22.16	24.69	26.06
16	24.74	21.16	16.27	19.27	19.20	19.04	16.73	17.69	19.79	22.33	24.76	26.12
17	24.71	21.02	16.42	19.24	19.37	18.94	16.73	17.74	19.84	22.41	24.81	26.13
18	24.74	21.03	16.61	18.64	19.48	18.90	16.77	17.84	19.92	22.61	24.89	26.22
19	24.85	20.87	16.73	18.44	19.50	18.93	16.82	17.96	19.44	22.58	24.86	26.29
20	24.91	20.00	16.73	18.48	19.46	19.00	16.94	18.09	19.37	22.69	24.93	26.42
21	24.83	19.60	16.47	18.43	19.38	19.08	17.06	18.21	19.38	22.77	24.90	26.40
22	24.72	19.24	15.78	18.43	19.16	18.81	17.15	18.24	19.75	22.85	24.85	26.49
23	24.65	19.53	15.74	18.55	19.13	18.64	17.27	18.29	20.42	23.08	24.81	26.55
24	24.55	18.92	15.92	18.59	18.92	18.41	17.33	18.46	19.79	23.14	24.89	26.55
25	24.27	18.91	16.01	18.79	19.16	18.11	17.51	18.46	19.90	23.22	24.90	26.44
26	24.11	18.96	16.42	18.90	19.23	18.00	17.56	18.41	19.97	23.26	24.99	26.44
27	23.98	19.04	16.92	18.96	19.32	17.94	17.54	18.56	20.14	23.26	25.12	26.47
28	23.85	18.76	17.05	18.64	19.47	17.79	17.71	18.61	20.19	23.29	25.10	26.44
29	23.81	18.14	17.18	17.30	---	17.73	17.73	19.04	20.33	23.42	25.20	26.06
30	23.80	17.91	17.32	17.07	---	17.90	17.82	19.76	20.47	23.45	25.25	25.93
31	23.68	---	17.61	17.14	---	17.67	---	18.87	---	23.98	25.34	---
LOW	26.06	23.43	17.87	19.27	19.50	20.10	17.82	19.76	20.47	23.98	25.34	26.55
HIGH	23.68	17.91	15.74	17.07	17.29	17.67	16.73	17.25	18.93	20.66	23.76	25.40
WTR YR 1994	HIGH 15.74 DEC 23 LOW 26.55 SEP 23,24											

**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.

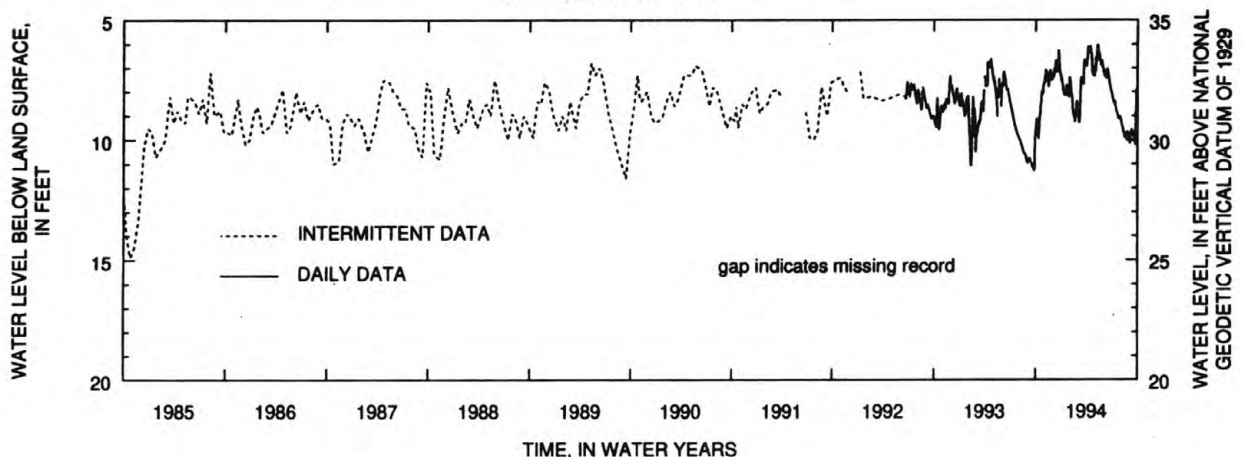
PERIOD OF RECORD.--June 1981 to current year. Water levels prior to Oct. 1981 have not been published but are available in the files of the U.S. Geological Survey.

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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.53	7.55	7.38	7.51	7.46	8.95	6.87	7.30	7.02	8.04	9.04	9.96
2	9.41	7.51	7.36	7.36	7.55	9.04	6.93	6.99	7.08	8.08	9.10	10.04
3	9.31	7.39	7.37	7.62	7.64	9.01	6.91	7.02	7.16	8.15	9.17	10.10
4	9.23	7.32	7.42	7.67	7.75	8.72	6.74	7.09	7.25	8.23	9.20	10.15
5	9.18	7.36	7.31	7.65	7.91	9.19	6.44	7.15	7.31	8.28	9.25	10.10
6	9.09	7.18	7.00	7.79	8.03	9.31	6.43	6.55	7.33	8.31	9.33	9.97
7	9.15	7.11	7.02	7.93	8.13	9.29	6.13	6.62	7.19	8.41	9.37	9.79
8	9.47	7.14	7.11	7.96	8.16	9.00	6.09	6.74	7.14	8.46	9.41	9.65
9	9.44	7.25	7.27	8.11	8.29	8.67	6.22	6.64	7.20	8.50	9.45	9.60
10	9.61	7.29	7.13	8.13	8.56	8.27	6.26	6.58	7.30	8.46	9.50	9.57
11	9.97	7.40	7.01	8.10	8.61	7.64	6.22	6.05	7.40	8.37	9.57	9.57
12	9.76	7.35	6.65	8.04	8.80	7.47	6.32	6.02	7.46	8.41	9.64	9.59
13	9.52	7.61	6.70	8.03	8.86	7.38	6.39	6.10	7.31	8.47	9.67	9.62
14	9.27	7.50	6.77	8.01	8.98	7.41	6.10	6.20	7.06	8.58	9.69	9.66
15	9.09	7.64	6.85	8.11	9.07	7.50	6.09	6.32	7.04	8.63	9.77	9.72
16	8.98	7.78	6.95	8.19	8.99	7.40	6.18	6.41	7.08	8.69	9.86	9.76
17	9.00	7.74	6.95	8.13	9.03	7.40	6.19	6.35	7.13	8.78	9.91	9.77
18	8.77	7.66	7.15	8.03	9.03	7.41	6.32	6.37	7.20	8.84	9.91	9.84
19	8.53	7.45	7.14	7.82	9.26	7.44	6.43	6.47	7.25	8.84	9.85	9.92
20	8.44	7.25	6.95	7.72	9.01	7.62	6.52	6.56	7.35	8.88	9.77	10.00
21	8.28	7.12	6.66	7.68	8.72	7.69	6.59	6.64	7.40	8.91	9.72	10.07
22	8.08	7.11	6.23	7.83	8.70	7.66	6.69	6.72	7.46	8.95	9.70	10.14
23	7.96	7.17	6.46	7.90	8.70	7.11	7.19	6.78	7.56	9.02	9.68	10.16
24	8.12	7.20	6.73	7.90	8.40	6.81	7.13	6.86	7.66	9.08	9.66	10.06
25	8.08	7.30	6.85	8.09	8.41	6.71	7.22	6.85	7.73	9.13	9.64	9.54
26	8.11	7.35	7.00	8.16	8.72	6.63	7.31	6.69	7.78	9.13	9.65	8.62
27	8.01	7.41	7.17	8.18	8.68	6.76	7.11	6.68	7.85	9.07	9.69	8.14
28	7.79	7.49	7.21	8.08	8.77	6.66	7.13	6.78	7.89	9.03	9.73	7.96
29	7.71	7.53	7.29	7.58	---	6.76	7.13	6.86	7.94	9.01	9.79	7.88
30	7.61	7.30	7.28	7.46	---	6.75	7.36	6.92	7.99	9.02	9.85	7.89
31	7.71	---	7.52	7.37	---	6.79	---	6.97	---	9.02	9.93	---
LOW	9.97	7.78	7.52	8.19	9.26	9.31	7.36	7.30	7.99	9.13	9.93	10.16
HIGH	7.61	7.11	6.23	7.36	7.46	6.63	6.09	6.02	7.02	8.04	9.04	7.88
WTR YR 1994	HIGH 6.02 MAY 12 LOW 10.16 SEP 23											

**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.

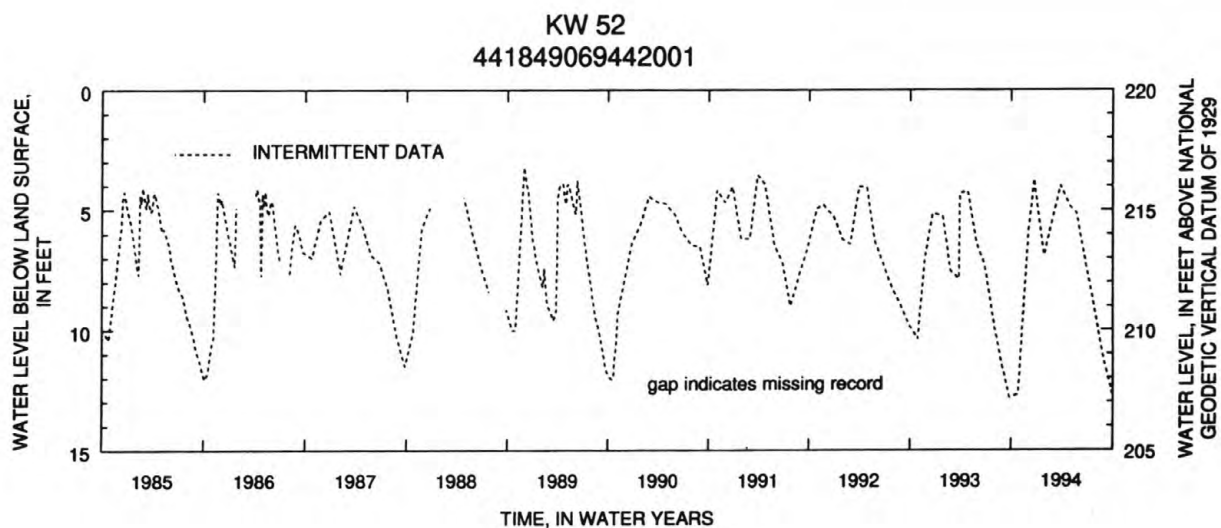
REVISED RECORDS.--WDR ME-82-1: 1978, 1979, 1981.

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 1993 TO SEPTEMBER 1994**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	12.70	DEC 22	3.73	FEB 22	5.58	APR 29	4.84	JUN 28	7.38	AUG 24	11.01
NOV 30	5.98	JAN 27	6.91	MAR 28	3.99	MAY 23	5.12	JUL 21	8.75	SEP 29	12.70

WTR YR 1994 HIGH 3.73 DEC 22 LOW 12.70 OCT 25, SEP 29



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.

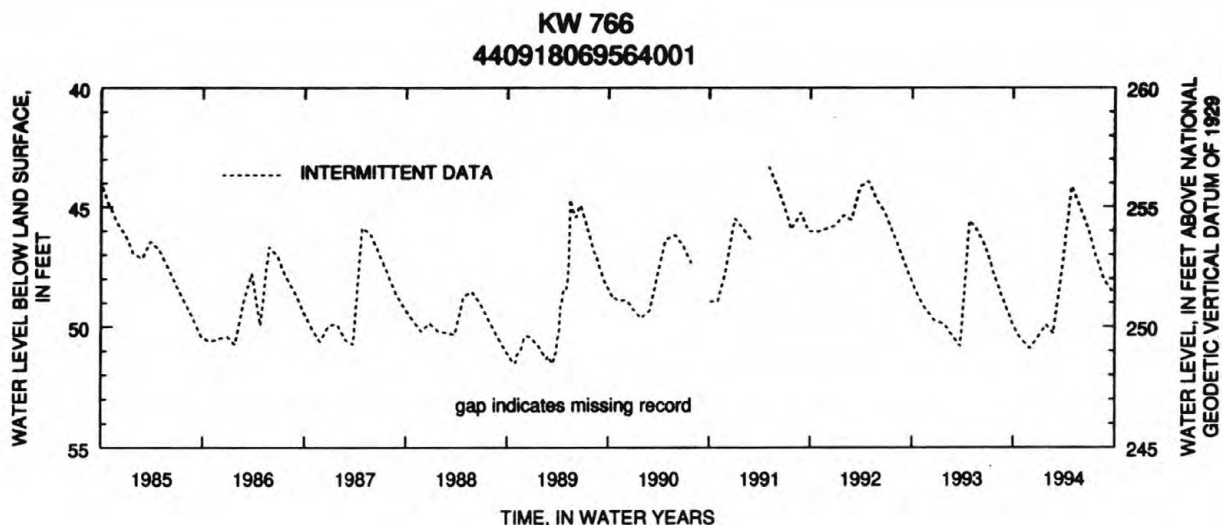
DATUM.--Elevation of land-surface datum is 300 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Floor of recorder shelter, at land-surface datum, which is 2.7 ft above the general land surface.

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 1993 TO SEPTEMBER 1994**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	50.46	DEC 21	50.58	FEB 22	50.29	APR 28	44.16	JUN 28	45.97	AUG 23	48.05
NOV 30	50.90	JAN 27	49.92	MAR 28	47.32	MAY 24	44.89	JUL 21	46.93	SEP 30	48.69
WTR YR 1994 HIGH 44.16 APR 28 LOW 50.90 NOV 30											



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.

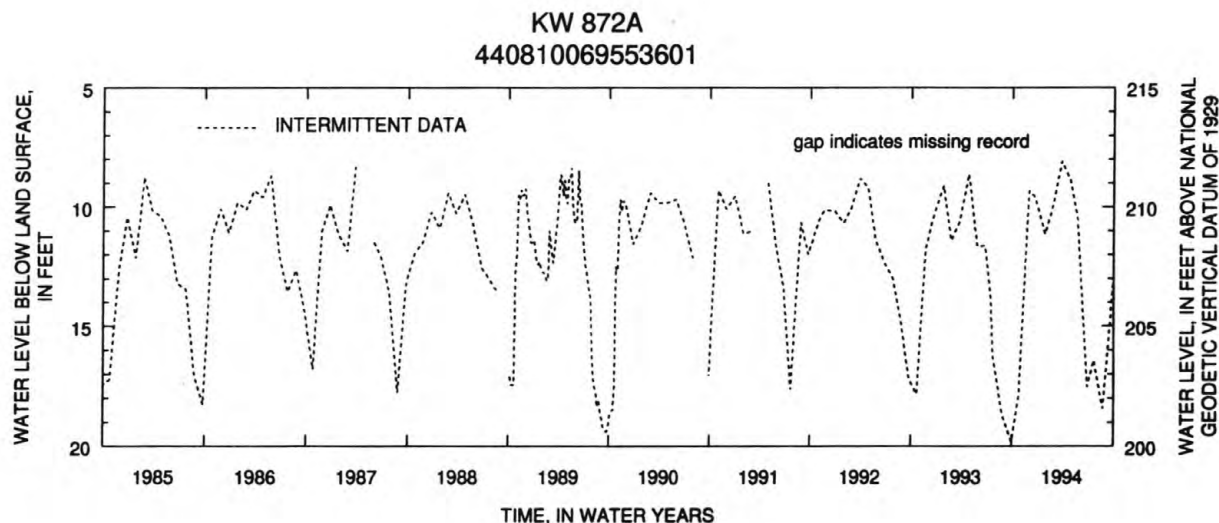
REVISED RECORDS.--WDR ME-82-1: 1980, WDR ME-84-1: 1980, 1981.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.47 ft below land-surface datum, May 12, 1989; lowest measured, 19.82 ft below land-surface datum, Sept. 29, 1993.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	17.90	DEC 21	9.59	FEB 22	10.14	APR 28	8.88	JUN 28	17.54	AUG 23	18.44
NOV 30	9.33	JAN 27	11.15	MAR 28	8.09	MAY 24	10.45	JUL 21	16.43	SEP 30	13.07

WTR YR 1994 HIGH 8.09 MAR 28 LOW 18.44 AUG 23



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.

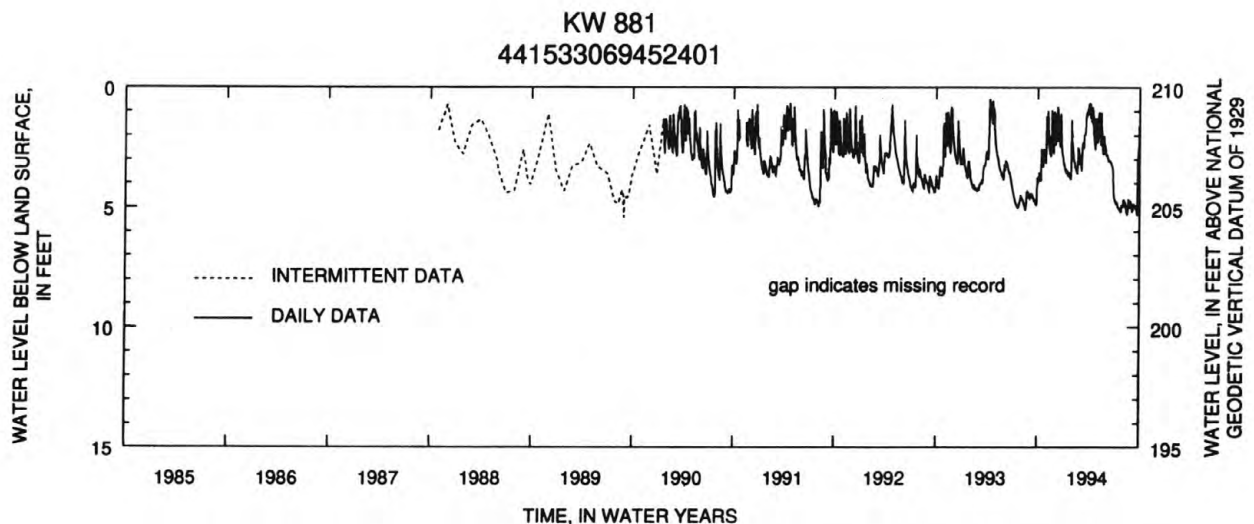
DATUM.--Elevation of land-surface datum is 210 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of pipe, at land-surface datum, which is 3.05 ft above the general land surface.

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, 5.34 ft below land-surface datum, Sept. 22, 1994.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.92	1.19	2.11	3.13	2.33	3.16	.89	1.89	2.53	4.59	4.96	4.97
2	3.94	1.47	2.28	3.18	2.52	3.21	.88	1.71	2.63	4.64	4.97	5.02
3	3.87	1.92	2.36	3.28	2.62	3.12	.74	2.08	2.71	4.69	4.73	5.11
4	3.78	2.05	2.40	3.16	2.78	3.14	.71	2.31	2.79	4.75	4.69	5.15
5	3.65	1.73	1.10	3.31	2.83	3.33	.84	1.94	2.85	4.77	4.69	5.12
6	3.61	.98	1.22	3.44	2.96	3.43	.83	1.25	2.84	4.80	4.71	4.91
7	3.62	1.57	1.70	3.43	3.05	3.41	.66	1.77	2.83	4.82	4.75	4.86
8	3.70	2.05	1.96	3.37	3.13	3.05	1.00	1.36	2.89	4.83	4.80	4.86
9	3.68	2.25	2.17	3.49	3.15	2.60	1.29	1.03	2.93	4.83	4.81	4.88
10	3.82	2.40	2.22	3.59	3.27	2.37	.98	1.57	3.01	4.77	4.86	4.88
11	3.92	2.50	.79	3.54	3.32	2.27	1.05	1.97	3.06	4.80	4.93	4.90
12	3.85	2.60	1.02	3.56	3.36	2.40	1.44	1.99	3.08	4.86	5.02	4.92
13	2.55	2.72	1.60	3.54	3.33	2.46	1.27	1.85	3.09	4.91	5.06	4.94
14	2.78	2.70	1.34	3.52	3.41	2.55	.80	2.16	3.04	4.99	5.07	4.94
15	2.94	2.75	1.22	3.61	3.48	2.40	1.25	2.41	3.04	5.01	5.16	4.97
16	3.03	2.83	1.42	3.71	3.52	2.03	1.04	2.28	3.05	5.01	5.26	4.99
17	3.09	2.80	1.87	3.63	3.55	1.95	.92	1.05	3.06	5.04	5.32	4.93
18	3.14	2.04	2.16	3.52	3.59	1.95	1.40	1.55	3.08	5.05	5.26	5.00
19	3.26	1.92	2.32	3.64	3.58	1.97	1.72	1.92	3.11	5.07	5.03	5.09
20	3.33	.95	2.49	3.69	3.52	1.95	1.90	2.18	3.15	5.09	4.95	5.17
21	3.25	1.56	1.68	3.68	2.92	1.77	2.04	2.37	3.15	5.12	4.87	5.26
22	2.54	1.95	1.09	3.66	2.54	1.45	2.22	2.54	3.16	5.13	4.70	5.34
23	2.71	2.20	1.72	3.74	2.57	1.34	2.33	2.71	3.22	5.15	4.71	5.31
24	2.81	2.32	2.12	3.72	2.53	1.31	2.45	2.80	3.28	5.17	4.74	3.27
25	3.04	2.53	2.28	3.81	2.75	1.17	2.60	2.75	3.29	5.19	4.73	2.65
26	3.10	2.65	2.48	3.83	2.86	1.19	2.06	2.57	3.30	5.17	4.73	2.90
27	3.05	2.77	2.72	3.82	2.96	1.15	1.27	2.00	3.33	4.92	4.74	3.02
28	3.02	2.03	2.81	3.24	3.08	1.06	1.46	2.15	3.65	4.91	4.75	1.91
29	3.13	1.01	2.88	1.34	---	1.09	1.89	2.32	4.26	4.90	4.78	1.61
30	3.17	1.83	2.93	1.63	---	1.08	2.07	2.41	4.54	4.91	4.88	2.03
31	2.35	---	3.08	2.04	---	.96	---	2.47	---	4.92	4.95	---
LOW	3.94	2.83	3.08	3.83	3.59	3.43	2.60	2.80	4.54	5.19	5.32	5.34
HIGH	2.35	.95	.79	1.34	2.33	.96	.66	1.03	2.53	4.59	4.69	1.61
WTR YR 1994	HIGH .66 APR 7 LOW 5.34 SEPT 22											



GROUND-WATER RECORDS

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.

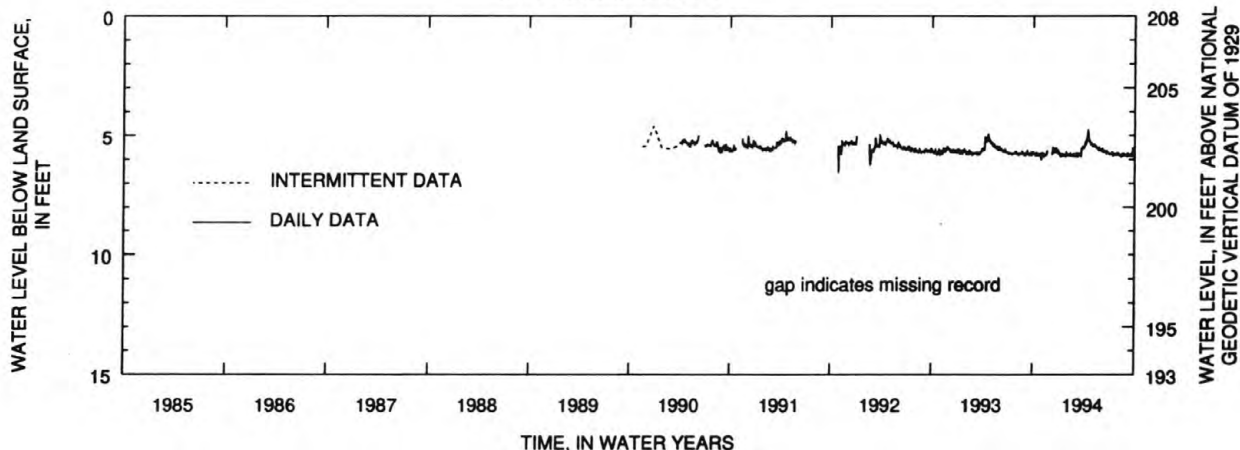
PERIOD OF RECORD.--November 1989 to current year.

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 1993 TO SEPTEMBER 1994
 DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.78	5.71	---	5.73	5.82	5.87	5.53	5.35	5.58	5.75	5.81	5.83
2	5.77	5.81	---	5.72	5.82	5.86	5.57	5.41	5.62	5.76	5.80	5.86
3	5.71	5.80	---	5.78	5.79	5.77	5.49	5.48	5.62	5.77	5.75	5.86
4	5.73	5.79	---	5.71	5.81	5.75	5.44	5.48	5.64	5.78	5.77	5.86
5	5.77	5.75	---	5.75	5.78	5.85	5.42	5.39	5.65	5.76	5.78	5.77
6	5.79	5.70	---	5.83	5.81	5.90	5.37	5.38	5.62	5.75	5.81	5.71
7	5.77	5.81	m5.70	5.80	5.83	5.84	5.28	5.46	5.59	5.77	5.82	5.78
8	5.79	5.86	5.72	5.75	5.85	5.79	5.33	5.38	5.66	5.76	5.83	5.82
9	5.74	5.84	5.76	5.79	5.81	5.84	5.35	5.38	5.66	5.75	5.83	5.83
10	5.81	5.82	5.72	5.85	5.86	5.76	5.25	5.46	5.69	5.69	5.84	5.82
11	5.82	5.80	5.48	5.81	5.85	5.79	5.27	5.49	5.70	5.75	5.84	5.82
12	5.76	5.82	5.55	5.79	5.83	5.84	5.25	5.40	5.67	5.76	5.86	5.83
13	5.69	5.84	5.65	5.76	5.78	5.80	5.18	5.44	5.63	5.77	5.82	5.82
14	5.77	5.78	5.60	5.76	5.80	5.78	5.00	5.50	5.62	5.81	5.79	5.80
15	5.77	5.77	5.60	5.79	5.85	5.77	5.04	5.53	5.69	5.77	5.85	5.84
16	5.77	5.84	5.66	5.86	5.85	5.75	4.82	5.48	5.69	5.75	5.87	5.83
17	5.76	5.79	5.70	5.80	5.86	5.77	4.75	5.46	5.67	5.79	5.86	5.80
18	5.76	5.78	5.70	5.77	5.85	5.78	4.95	5.50	5.65	5.79	5.77	5.84
19	5.84	5.75	5.67	5.85	5.83	5.78	5.04	5.55	5.70	5.78	5.77	5.86
20	5.83	5.63	5.71	5.84	5.81	5.82	5.12	5.56	5.72	5.80	5.79	5.86
21	5.75	---	5.57	5.81	5.80	5.84	5.20	5.56	5.67	5.80	5.75	5.87
22	5.75	m5.77	5.50	5.78	5.83	5.74	5.25	5.57	5.67	5.79	5.73	5.86
23	5.81	---	5.59	5.83	5.85	5.65	5.26	5.56	5.72	5.81	5.80	5.80
24	5.79	---	5.64	5.81	5.74	5.59	5.27	5.58	5.73	5.81	5.82	5.51
25	5.81	---	5.59	5.85	5.81	5.55	5.35	5.52	5.69	5.79	5.80	5.63
26	5.82	---	5.63	5.87	5.81	5.57	5.32	5.51	5.71	5.75	5.81	5.71
27	5.74	---	5.73	5.84	5.83	5.55	5.29	5.52	5.73	5.76	5.82	5.74
28	5.72	---	5.74	5.73	5.87	5.51	5.40	5.59	5.73	5.78	5.81	5.70
29	6.03	---	5.73	5.75	---	5.54	5.39	5.61	5.75	5.79	5.82	5.68
30	5.80	---	5.69	5.83	---	5.55	5.40	5.60	5.74	5.81	5.86	5.76
31	5.76	---	5.74	5.81	---	5.54	---	5.58	---	5.81	5.85	---
LOW	6.03	---	---	5.87	5.87	5.90	5.57	5.61	5.75	5.81	5.87	5.87
HIGH	5.69	---	---	5.71	5.74	5.51	4.75	5.35	5.58	5.69	5.73	5.51
WTR YR 1994	HIGH 4.75 APR 17 LOW 6.03 OCT 29											
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.

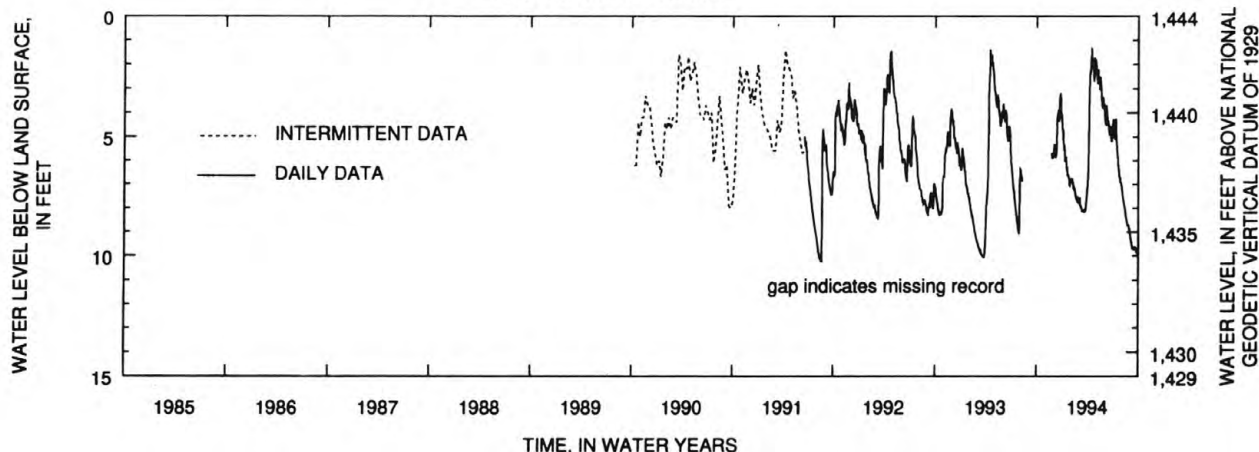
PERIOD OF RECORD.--Oct. 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.29 ft below land-surface datum, Apr. 16, 1994; lowest recorded, 10.23 ft below land-surface datum, Aug. 18 and 19, 1991.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	5.60	4.67	6.81	7.79	7.08	1.81	3.81	4.61	7.02	9.08
2	---	---	5.33	4.81	6.81	7.79	6.97	1.87	4.05	4.36	7.12	9.18
3	m9.40	---	5.32	5.12	6.75	7.65	6.66	2.15	4.19	4.31	7.23	9.27
4	---	---	5.42	4.71	6.84	7.57	6.29	2.33	4.35	4.32	7.31	9.35
5	---	---	5.40	5.08	6.77	7.77	5.27	2.36	4.45	4.43	7.42	9.41
6	---	---	5.65	5.52	6.88	7.91	4.27	2.51	4.49	4.73	7.56	9.47
7	---	m7.30	5.78	5.51	6.97	7.91	3.02	2.82	4.21	5.02	7.62	9.56
8	---	---	5.84	5.34	7.06	7.91	2.78	2.54	3.71	5.04	7.68	9.60
9	---	---	5.83	5.73	6.99	8.02	2.49	2.21	3.76	4.79	7.74	9.64
10	m8.70	---	5.65	6.05	7.21	7.95	2.29	2.52	4.11	4.36	7.82	9.68
11	---	---	5.30	5.91	7.21	8.08	2.42	2.66	4.29	4.25	7.88	9.70
12	---	---	4.50	5.92	7.22	8.15	2.04	2.59	4.43	4.42	7.94	9.72
13	---	---	4.29	5.88	7.12	8.13	1.71	2.53	4.48	4.73	7.97	9.73
14	---	m6.90	4.10	5.86	7.24	8.13	1.66	2.79	4.46	5.09	8.03	9.72
15	---	---	4.10	6.13	7.36	8.11	1.65	3.02	4.40	5.24	8.16	9.72
16	---	---	3.96	6.46	7.43	8.13	1.29	3.03	4.45	5.47	8.28	9.67
17	m8.10	---	3.89	6.32	7.48	8.15	1.52	2.50	4.64	5.72	8.34	9.62
18	---	---	3.89	6.28	7.56	8.10	1.78	2.61	4.85	5.82	8.41	9.63
19	---	---	4.01	6.59	7.58	8.09	1.80	2.82	4.93	5.97	8.50	9.63
20	---	---	4.36	6.66	7.60	8.16	2.02	3.05	4.68	6.13	8.55	9.67
21	---	m6.60	3.95	6.63	7.63	8.17	2.15	3.25	4.56	6.18	8.61	9.70
22	---	---	3.38	6.59	7.71	8.09	2.22	3.42	4.69	6.26	8.69	9.75
23	---	m5.69	3.31	6.73	7.72	8.10	2.28	3.56	4.74	6.42	8.75	9.79
24	m7.70	5.84	3.25	6.74	7.52	8.12	2.41	3.75	4.96	6.57	8.74	9.83
25	---	5.88	3.19	6.93	7.58	8.06	2.71	3.78	5.14	6.69	8.69	9.85
26	---	5.86	3.56	7.02	7.62	8.03	2.41	3.68	5.20	6.79	8.71	9.87
27	---	5.90	4.07	7.05	7.68	7.85	1.73	3.42	5.16	6.84	8.75	9.87
28	---	5.67	4.04	6.81	7.75	7.64	1.86	3.43	4.97	6.81	8.79	9.85
29	---	5.85	4.02	6.89	---	7.51	1.84	3.65	4.60	6.87	8.85	9.82
30	---	5.80	4.16	6.96	---	7.37	2.09	3.68	4.57	6.91	8.94	9.71
31	m7.70	---	4.61	6.84	---	7.23	---	3.60	---	6.98	9.02	---
LOW	---	---	5.84	7.05	7.75	8.17	7.08	3.78	5.20	6.98	9.02	9.87
HIGH	---	---	3.19	4.67	6.75	7.23	1.29	1.81	3.71	4.25	7.02	9.08
WTR YR 1994	HIGH 1.29 APR 16 LOW 9.87 SEPT 26,27											
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.

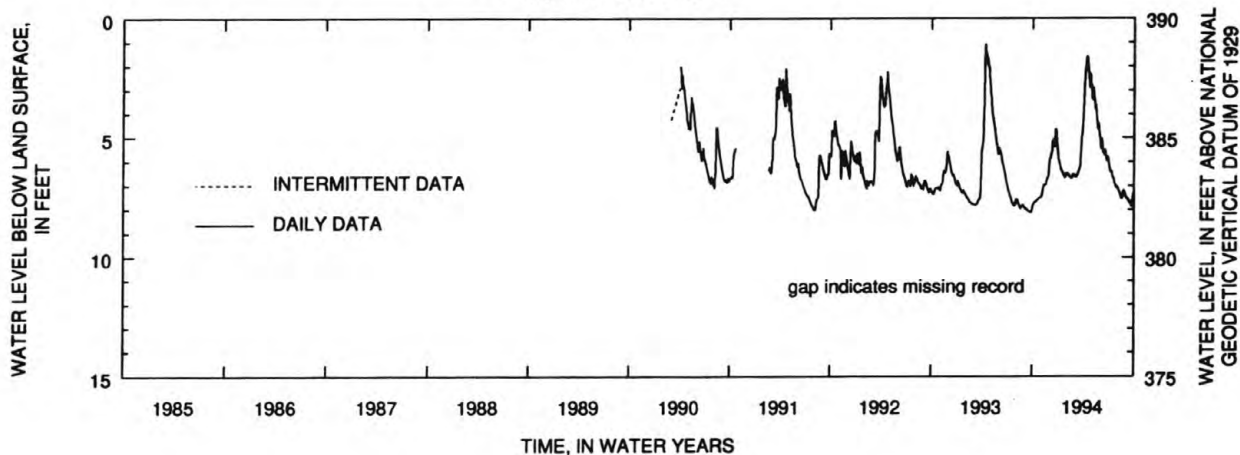
PERIOD OF RECORD.--November 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.06 ft below land-surface datum, Apr. 13, 1993; lowest recorded, 8.13 ft below land-surface datum, Sep. 24-27, 1993.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.92	7.48	5.95	5.77	6.47	6.60	4.39	2.74	5.02	5.97	7.03	7.44
2	7.81	7.45	5.89	5.85	6.47	6.61	4.12	2.91	5.15	6.03	7.04	7.46
3	7.79	7.38	5.87	5.93	6.47	6.57	3.84	3.14	5.26	6.11	7.08	7.49
4	7.78	7.36	5.89	5.94	6.47	6.55	3.42	3.32	5.39	6.18	7.11	7.51
5	7.76	7.29	5.84	5.99	6.47	6.59	3.05	3.28	5.48	6.25	7.14	7.54
6	7.75	7.22	5.77	6.07	6.50	6.65	2.77	3.27	5.36	6.33	7.17	7.54
7	7.72	7.17	5.69	6.10	6.52	6.65	2.43	3.45	5.07	6.39	7.20	7.55
8	7.70	7.12	5.63	6.13	6.54	6.63	2.33	3.05	5.09	6.41	7.23	7.57
9	7.69	7.05	5.59	6.21	6.54	6.63	2.18	2.88	5.22	6.43	7.26	7.57
10	7.68	7.02	5.57	6.25	6.59	6.57	2.06	3.18	5.40	6.38	7.29	7.59
11	7.69	6.99	5.38	6.30	6.61	6.54	1.96	3.42	5.53	6.36	7.32	7.61
12	7.68	6.95	5.16	6.33	6.61	6.52	1.77	3.37	5.63	6.42	7.37	7.65
13	7.68	6.95	5.13	6.34	6.60	6.50	1.67	3.45	5.63	6.46	7.40	7.67
14	7.67	6.95	5.14	6.36	6.62	6.48	1.58	3.66	5.59	6.51	7.43	7.69
15	7.65	6.94	5.11	6.39	6.64	6.46	1.65	3.83	5.59	6.59	7.45	7.70
16	7.62	6.96	5.15	6.42	6.65	6.41	1.58	3.78	5.68	6.62	7.48	7.72
17	7.60	6.94	5.18	6.43	6.67	6.36	1.75	3.58	5.74	6.65	7.51	7.73
18	7.58	6.94	5.25	6.45	6.67	6.32	1.94	3.74	5.71	6.68	7.52	7.76
19	7.58	6.91	5.30	6.49	6.68	6.26	2.04	3.91	5.48	6.71	7.48	7.78
20	7.58	6.85	5.40	6.53	6.68	6.24	2.16	4.06	5.54	6.74	7.43	7.80
21	7.56	6.78	5.22	6.55	6.64	6.23	2.32	4.21	5.62	6.78	7.38	7.82
22	7.55	6.72	4.69	6.56	6.60	6.15	2.47	4.35	5.72	6.84	7.32	7.83
23	7.55	6.68	4.62	6.58	6.58	5.98	2.61	4.48	5.82	6.87	7.25	7.84
24	7.53	6.66	4.68	6.59	6.53	5.77	2.75	4.61	5.93	6.91	7.22	7.71
25	7.51	6.64	4.77	6.61	6.53	5.52	2.91	4.67	5.98	6.94	7.21	7.60
26	7.50	6.64	4.93	6.66	6.53	5.25	2.48	4.63	5.90	6.97	7.22	7.50
27	7.48	6.64	5.16	6.66	6.55	5.01	2.31	4.37	5.87	7.01	7.25	7.44
28	7.48	6.57	5.31	6.62	6.58	4.93	2.48	4.49	5.82	7.06	7.28	7.37
29	7.49	6.24	5.43	6.51	---	4.86	2.70	4.66	5.81	7.08	7.32	7.32
30	7.48	6.05	5.55	6.49	---	4.80	2.88	4.79	5.87	7.09	7.39	7.27
31	7.48	---	5.69	6.47	---	4.67	---	4.89	---	7.06	7.42	---
LOW	7.92	7.48	5.95	6.66	6.68	6.65	4.39	4.89	5.98	7.09	7.52	7.84
HIGH	7.48	6.05	4.62	5.77	6.47	4.67	1.58	2.74	5.02	5.97	7.03	7.27
WTR YR 1994	HIGH 1.58 APR 14,16 LOW 7.92 OCT 1											

**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.

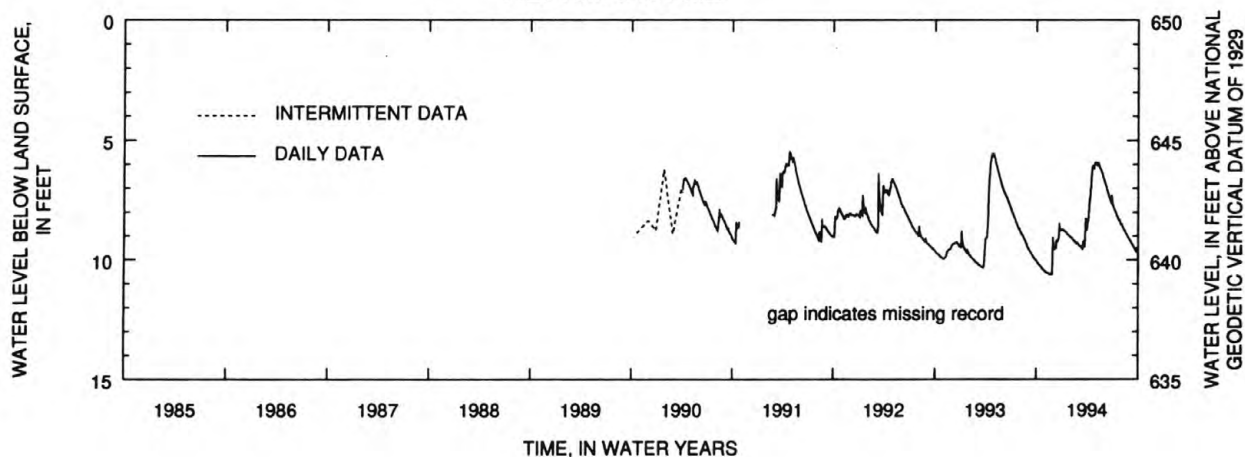
PERIOD OF RECORD.--Oct. 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 5.49 ft below land-surface datum, Apr. 24 and 25, 1991; lowest recorded, 10.60 ft below land-surface datum, Nov. 18, 19, 23 and 24, 1993.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.05	10.48	9.56	8.74	9.06	9.37	8.54	5.90	6.64	7.65	8.52	9.17
2	10.07	10.49	9.57	8.72	9.06	9.40	8.36	5.90	6.68	7.69	8.53	9.19
3	10.09	10.49	9.54	8.73	9.07	9.40	8.40	5.94	6.73	7.72	8.46	9.21
4	10.11	10.51	9.53	8.72	9.09	9.40	8.34	5.97	6.76	7.77	8.54	9.23
5	10.12	10.51	9.51	8.73	9.09	9.42	8.13	5.99	6.80	7.81	8.57	9.25
6	10.14	10.53	9.49	8.75	9.11	9.43	8.03	6.01	6.83	7.84	8.60	9.27
7	10.15	10.52	9.49	8.76	9.13	9.44	7.90	6.05	6.87	7.86	8.62	9.30
8	10.16	10.53	9.49	8.76	9.15	9.45	7.73	6.05	6.92	7.89	8.66	9.32
9	10.18	10.53	9.50	8.78	9.17	9.47	7.57	5.94	6.95	7.91	8.68	9.34
10	10.20	10.53	9.49	8.80	9.18	9.47	7.44	5.90	6.99	7.93	8.70	9.36
11	10.21	10.53	9.28	8.81	9.19	9.49	7.35	5.93	7.04	7.98	8.73	9.39
12	10.22	10.54	9.16	8.81	9.19	9.51	7.21	5.94	7.08	8.00	8.75	9.40
13	10.21	10.57	9.25	8.81	9.21	9.51	7.09	5.98	7.11	8.03	8.76	9.42
14	10.22	10.57	9.24	8.81	9.21	9.52	6.93	6.04	7.15	8.05	8.77	9.45
15	10.24	10.57	9.23	8.83	9.23	9.53	6.77	6.07	7.20	8.08	8.80	9.47
16	10.26	10.56	9.19	8.87	9.23	9.45	6.58	6.12	7.24	8.11	8.83	9.48
17	10.26	10.57	9.17	8.88	9.28	9.24	6.34	6.15	7.27	8.15	8.87	9.49
18	10.28	10.60	9.13	8.88	9.28	9.20	6.20	6.17	7.31	8.17	8.89	9.51
19	10.31	10.60	9.11	8.91	9.30	9.29	6.12	6.19	7.35	8.20	8.90	9.55
20	10.34	10.57	9.09	8.92	9.30	9.40	6.06	6.21	7.39	8.22	8.92	9.57
21	10.35	10.56	8.91	8.93	9.31	9.46	6.05	6.23	7.42	8.24	8.95	9.59
22	10.36	10.58	8.45	8.95	9.32	9.44	6.05	6.25	7.45	8.28	8.96	9.61
23	10.37	10.60	8.72	8.95	9.31	9.39	6.05	6.30	7.49	8.32	8.98	9.63
24	10.38	10.60	8.79	8.97	9.28	9.03	6.08	6.34	7.53	8.34	9.01	9.48
25	10.40	10.59	8.78	8.98	9.31	8.61	6.15	6.36	7.56	8.34	9.03	9.53
26	10.40	10.58	8.76	8.99	9.32	8.22	6.16	6.40	7.60	8.33	9.05	9.59
27	10.42	10.57	8.76	9.01	9.34	8.36	6.03	6.46	7.55	8.38	9.08	9.63
28	10.43	9.87	8.75	9.01	9.35	8.64	5.97	6.50	7.29	8.41	9.10	9.64
29	10.45	9.04	8.74	9.03	---	8.73	5.93	6.53	7.50	8.43	9.12	9.65
30	10.45	9.47	8.72	9.05	---	8.75	5.91	6.58	7.59	8.49	9.14	9.67
31	10.47	---	8.74	9.06	---	8.69	---	6.62	---	8.51	9.16	---
LOW	10.47	10.60	9.57	9.06	9.35	9.53	8.54	6.62	7.60	8.51	9.16	9.67
HIGH	10.05	9.04	8.45	8.72	9.06	8.22	5.91	5.90	6.64	7.65	8.46	9.17
WTR YR 1994	HIGH 5.90 MAY 1,2,10 LOW 10.60 NOV 18,19,23,24											

**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.

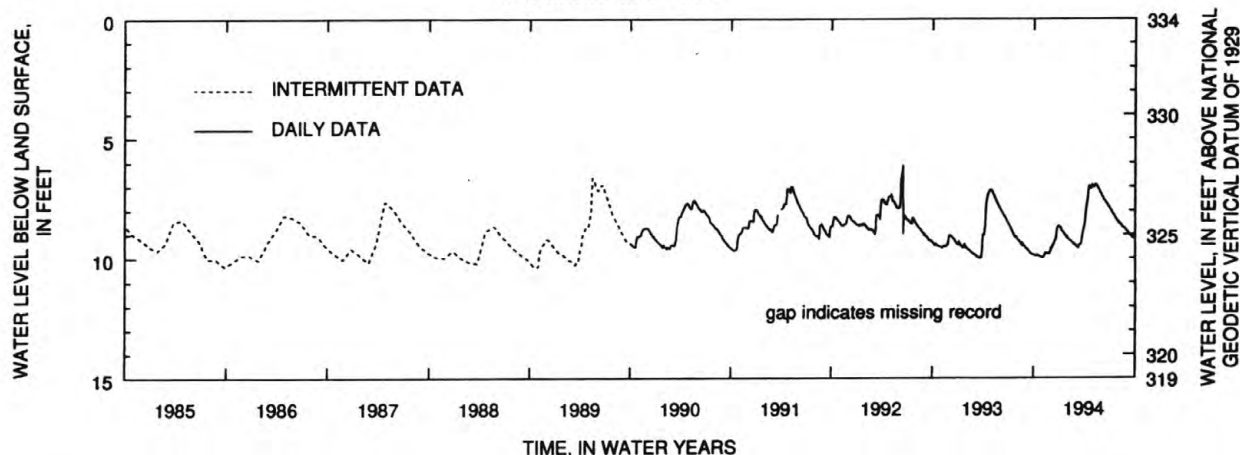
REVISED RECORDS.--WDR ME-82-1: 1981.

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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.86	9.96	9.66	8.64	9.15	9.47	8.68	6.94	7.29	7.88	8.47	8.84
2	9.88	9.98	9.58	8.65	9.17	9.47	8.61	6.96	7.33	7.89	8.50	8.86
3	9.87	9.96	9.60	8.69	9.18	9.47	8.54	6.99	7.36	7.92	8.51	8.88
4	9.87	9.97	9.56	8.66	9.20	9.48	8.44	7.01	7.39	7.94	8.49	8.89
5	9.87	9.97	9.52	8.70	9.20	9.50	8.29	6.99	7.41	7.97	8.50	8.89
6	9.88	9.94	9.52	8.73	9.22	9.52	8.16	6.99	7.42	7.97	8.51	8.90
7	9.89	9.92	9.59	8.75	9.23	9.53	8.03	7.04	7.43	8.00	8.53	8.92
8	9.89	9.90	9.48	8.74	9.25	9.54	7.94	7.02	7.46	8.02	8.54	8.94
9	9.91	9.84	9.46	8.79	9.26	9.54	7.83	6.97	7.49	8.04	8.55	8.96
10	9.91	9.82	9.46	8.85	9.27	9.53	7.76	6.93	7.52	8.05	8.57	8.98
11	9.91	9.81	9.44	8.85	9.28	9.55	7.71	6.92	7.54	8.08	8.58	9.00
12	9.90	9.79	9.42	8.87	9.28	9.48	7.63	6.91	7.56	8.11	8.59	9.00
13	9.88	9.78	9.38	8.87	9.29	9.47	7.56	6.91	7.56	8.13	8.61	9.01
14	9.87	9.78	9.34	8.88	9.31	9.46	7.46	6.93	7.56	8.15	8.62	9.02
15	9.87	9.78	9.30	8.91	9.33	9.48	7.33	6.96	7.59	8.17	8.64	9.05
16	9.87	9.78	9.26	8.93	9.34	9.46	7.21	6.96	7.60	8.17	8.67	9.06
17	9.88	9.79	9.24	8.93	9.36	9.44	7.12	6.97	7.64	8.20	8.69	9.08
18	9.89	9.80	9.22	8.94	9.36	9.42	7.06	6.98	7.65	8.21	8.68	9.10
19	9.90	9.81	9.20	8.98	9.37	9.40	7.00	7.00	7.67	8.23	8.69	9.11
20	9.91	9.79	9.20	9.00	9.38	9.41	6.98	7.02	7.69	8.25	8.71	9.12
21	9.91	9.80	9.13	9.00	9.38	9.39	6.98	7.05	7.69	8.27	8.71	9.14
22	9.91	9.79	8.97	9.02	9.40	9.34	6.98	7.09	7.71	8.30	8.70	9.17
23	9.93	9.79	8.85	9.04	9.39	9.29	6.98	7.10	7.73	8.32	8.73	9.16
24	9.93	9.79	8.76	9.06	9.39	9.19	6.98	7.14	7.77	8.34	8.74	9.07
25	9.95	9.79	8.70	9.08	9.41	9.11	7.02	7.14	7.78	8.35	8.75	9.01
26	9.94	9.80	8.68	9.09	9.42	9.02	7.04	7.16	7.80	8.36	8.76	8.99
27	9.94	9.80	8.66	9.12	9.44	8.92	7.00	7.17	7.83	8.39	8.77	8.98
28	9.94	9.78	8.66	9.08	9.45	8.85	7.01	7.20	7.83	8.40	8.77	8.96
29	9.95	9.74	8.65	9.10	---	8.82	6.98	7.24	7.85	8.42	8.79	8.96
30	9.96	9.70	8.63	9.13	---	8.78	6.96	7.26	7.85	8.45	8.81	8.96
31	9.96	---	8.65	9.14	---	8.74	---	7.28	---	8.46	8.83	---
LOW	9.96	9.98	9.66	9.14	9.45	9.55	8.68	7.28	7.85	8.46	8.83	9.17
HIGH	9.86	9.70	8.63	8.64	9.15	8.74	6.96	6.91	7.29	7.88	8.47	8.84
WTR YR 1994	HIGH 6.91 MAY 12,13 LOW 9.98 NOV 2											

**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.

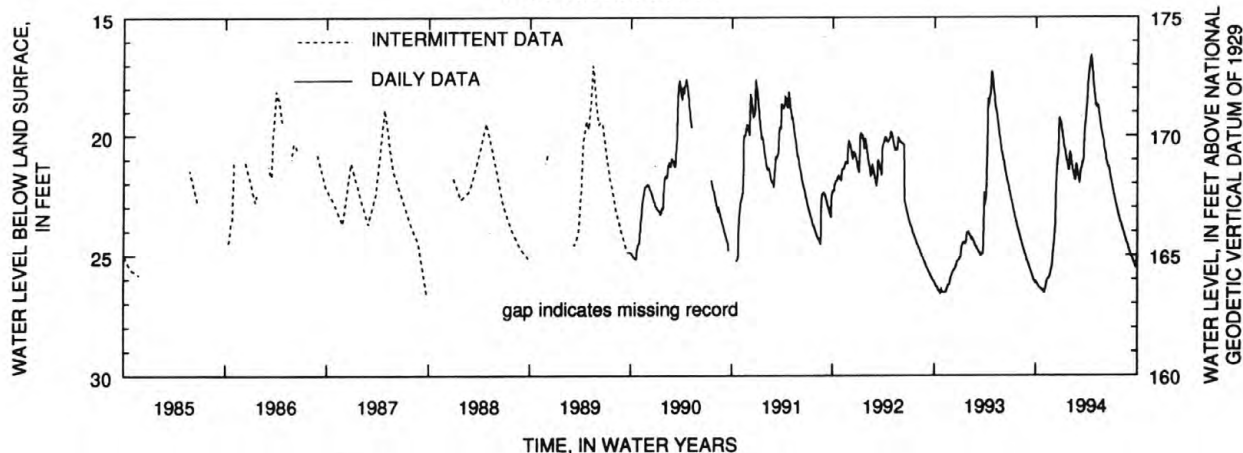
REVISED RECORDS.--WDR ME-84-1: 1979, 1980, 1981.

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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.08	26.56	25.02	19.62	20.71	21.58	18.90	18.34	20.17	21.98	23.60	24.76
2	26.10	26.52	24.86	19.67	20.77	21.65	18.73	18.43	20.25	22.03	23.64	24.79
3	26.12	26.46	24.75	19.83	20.80	21.64	18.54	18.58	20.34	22.09	23.67	24.84
4	26.14	26.42	24.67	19.78	20.91	21.64	18.27	18.70	20.44	22.16	23.69	24.87
5	26.17	26.39	24.56	19.90	20.94	21.78	17.96	18.74	20.54	22.21	23.72	24.91
6	26.18	26.33	24.39	20.08	21.04	21.91	17.78	18.70	20.59	22.26	23.77	24.94
7	26.20	26.26	24.19	20.15	21.13	21.94	17.60	18.80	20.62	22.33	23.80	24.98
8	26.21	26.14	24.02	20.17	21.24	21.94	17.45	18.83	20.69	22.39	23.84	25.01
9	26.23	26.10	23.88	20.28	21.28	21.90	17.35	18.70	20.76	22.45	23.89	25.04
10	26.26	26.06	23.74	20.42	21.40	21.70	17.22	18.71	20.86	22.49	23.92	25.07
11	26.28	26.02	23.53	20.46	21.46	21.55	17.14	18.73	20.95	22.55	23.96	25.09
12	26.30	26.00	22.73	20.51	21.51	21.44	17.06	18.72	21.03	22.60	24.02	25.13
13	26.32	25.99	22.09	20.54	21.50	21.35	17.00	18.77	21.08	22.65	24.05	25.15
14	26.34	25.96	21.76	20.58	21.56	21.35	16.84	18.89	21.12	22.73	24.07	25.18
15	26.34	25.95	21.50	20.68	21.65	21.35	16.75	19.00	21.19	22.77	24.13	25.21
16	26.36	25.95	21.29	20.82	21.70	21.33	16.67	19.08	21.24	22.83	24.17	25.23
17	26.38	25.94	21.13	20.85	21.76	21.23	16.65	19.11	21.30	22.89	24.21	25.25
18	26.39	25.92	21.02	20.84	21.82	21.12	16.74	19.19	21.33	22.95	24.24	25.30
19	26.42	25.90	20.92	20.98	21.87	21.05	16.80	19.29	21.28	22.99	24.28	25.33
20	26.41	25.86	20.88	21.04	21.88	21.09	16.91	19.37	21.29	23.04	24.32	25.35
21	26.42	25.82	20.70	21.08	21.77	21.06	17.13	19.45	21.32	23.09	24.35	25.39
22	26.42	25.76	19.91	21.09	21.50	20.83	17.24	19.55	21.38	23.13	24.38	25.44
23	26.43	25.70	19.33	21.19	21.31	20.67	17.37	19.63	21.46	23.18	24.43	25.47
24	26.44	25.65	19.26	21.22	21.16	20.40	17.50	19.75	21.53	23.24	24.47	25.49
25	26.46	25.61	19.22	21.33	21.23	20.03	17.69	19.82	21.61	23.29	24.49	25.44
26	26.48	25.58	19.27	21.41	21.30	19.72	17.82	19.86	21.67	23.35	24.53	25.36
27	26.47	25.54	19.40	21.46	21.39	19.51	17.86	19.85	21.74	23.38	24.57	25.32
28	26.49	25.48	19.43	21.39	21.50	19.43	18.07	19.90	21.80	23.41	24.60	25.28
29	26.52	25.38	19.42	21.15	---	19.35	18.17	19.99	21.86	23.45	24.64	25.09
30	26.55	25.18	19.42	20.86	---	19.27	18.28	20.07	21.90	23.51	24.68	24.96
31	26.56	---	19.56	20.71	---	19.12	---	20.11	---	23.54	24.72	---
LOW	26.56	26.56	25.02	21.46	21.88	21.94	18.90	20.11	21.90	23.54	24.72	25.49
HIGH	26.08	25.18	19.22	19.62	20.71	19.12	16.65	18.34	20.17	21.98	23.60	24.76
WTR YR 1994	HIGH 16.65 APR 17 LOW 26.56 OCT 31 and NOV 1											

PEW 456
445319068560101



PENOBSHOT 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.

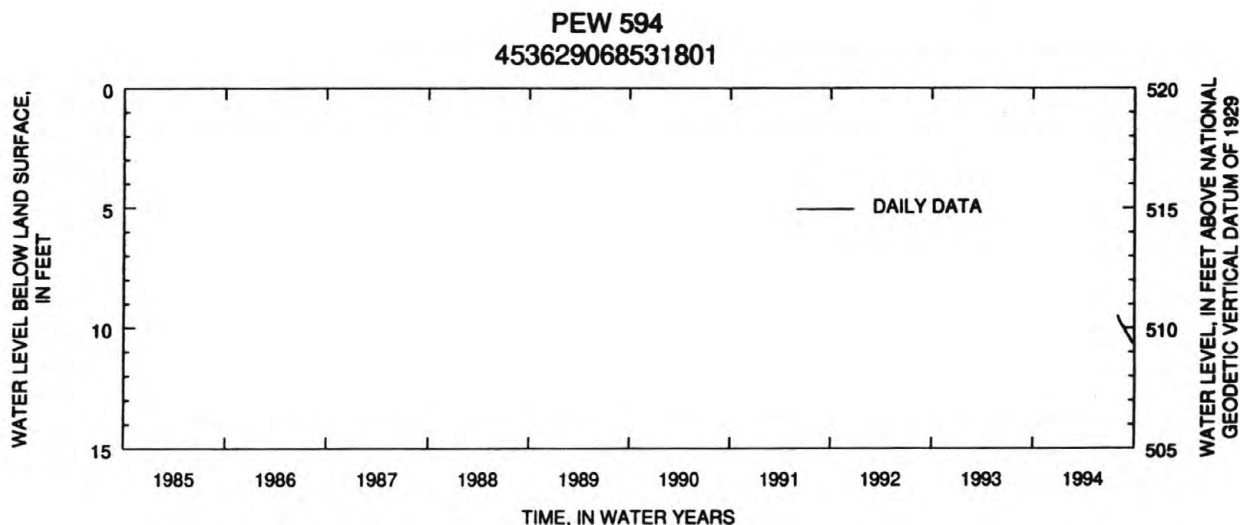
DATUM.--Elevation of land-surface datum is 520 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, 3.50 ft above land-surface datum.

PERIOD OF RECORD.-- Aug. to Sept. 1994.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	10.19
2	---	---	---	---	---	---	---	---	---	---	m9.49	10.22
3	---	---	---	---	---	---	---	---	---	---	9.55	10.25
4	---	---	---	---	---	---	---	---	---	---	9.57	10.26
5	---	---	---	---	---	---	---	---	---	---	9.60	10.27
6	---	---	---	---	---	---	---	---	---	---	9.63	10.26
7	---	---	---	---	---	---	---	---	---	---	9.66	10.26
8	---	---	---	---	---	---	---	---	---	---	9.68	10.30
9	---	---	---	---	---	---	---	---	---	---	9.71	10.32
10	---	---	---	---	---	---	---	---	---	---	9.73	10.35
11	---	---	---	---	---	---	---	---	---	---	9.77	10.37
12	---	---	---	---	---	---	---	---	---	---	9.80	10.38
13	---	---	m9.28	---	---	---	---	---	---	---	9.80	10.40
14	---	---	---	---	---	---	---	---	---	---	9.80	10.42
15	---	---	---	---	---	---	---	---	---	---	9.84	10.44
16	---	---	---	---	---	---	---	---	---	---	9.87	10.47
17	---	---	---	---	---	---	---	---	---	---	9.91	10.49
18	---	---	---	---	---	---	---	---	---	---	9.92	10.51
19	---	---	---	---	---	---	---	---	---	---	9.93	10.53
20	---	---	---	---	---	---	---	---	---	---	9.94	10.55
21	---	---	---	---	---	---	---	---	---	---	9.95	10.57
22	---	---	---	---	---	---	---	---	---	---	9.91	10.61
23	---	---	---	---	---	---	---	---	---	---	9.97	10.62
24	---	---	---	---	---	---	---	---	---	---	10.01	10.62
25	---	---	---	---	---	---	---	---	---	---	10.03	10.61
26	---	---	---	---	---	---	---	---	---	---	10.05	10.63
27	---	---	---	---	---	---	---	---	---	---	10.07	10.65
28	---	---	---	---	---	---	---	---	---	---	10.10	10.63
29	---	---	---	---	---	---	---	---	---	---	10.13	10.58
30	---	---	---	---	---	---	---	---	---	---	10.15	10.59
31	---	---	---	---	---	---	---	---	---	---	10.18	---
LOW	---	---	---	---	---	---	---	---	---	---	---	10.65
HIGH	---	---	---	---	---	---	---	---	---	---	---	10.19

m Measured



PISCATAQUIS COUNTY

452829069322101 Local number, PIW 2

LOCATION.--Lat 45°28'29", long 69°32'21", 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.

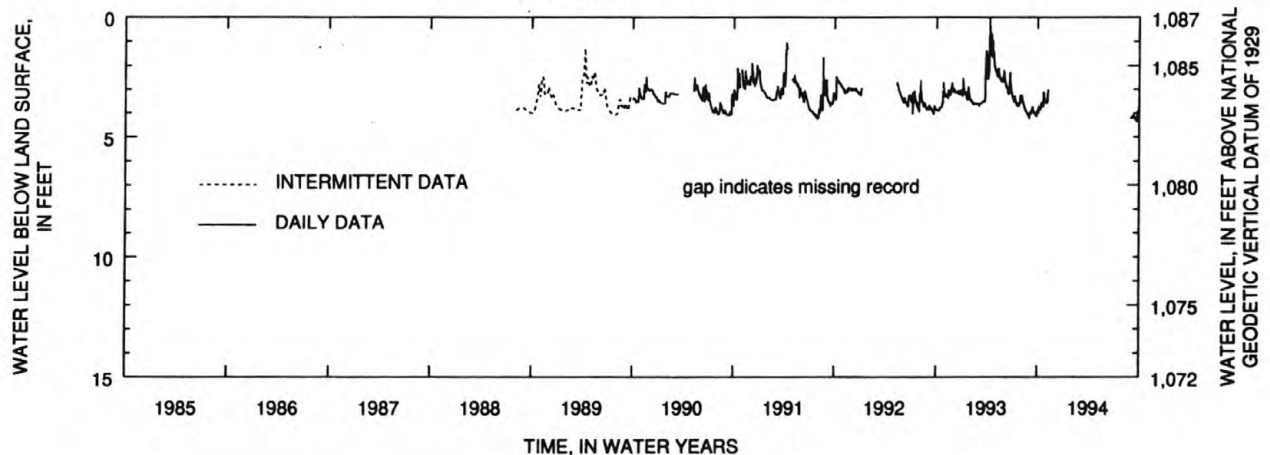
PERIOD OF RECORD.--July 1988 to current year.

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.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.00	3.61	---	---	---	---	---	---	---	---	---	4.23
2	4.01	3.59	---	---	---	---	---	---	---	---	---	4.22
3	3.88	3.59	---	---	---	---	---	---	---	---	---	4.22
4	3.78	3.55	---	---	---	---	---	---	---	---	---	4.23
5	3.80	3.42	---	---	---	---	---	---	---	---	---	4.21
6	3.83	3.00	---	---	---	---	---	---	---	---	---	4.13
7	3.85	3.04	---	---	---	---	---	---	---	---	---	4.12
8	3.87	---	---	---	---	---	---	---	---	---	---	4.11
9	3.84	m3.27	---	---	---	---	---	---	---	---	---	4.13
10	3.82	---	---	---	---	---	---	---	---	---	---	4.14
11	3.83	---	---	---	---	---	---	---	---	---	---	4.12
12	3.82	---	---	---	---	---	---	---	---	---	---	4.15
13	3.60	---	---	---	---	---	---	---	---	---	---	4.16
14	3.58	---	---	---	---	---	---	---	---	---	---	4.19
15	3.63	---	---	---	---	---	---	---	---	---	---	4.23
16	3.67	---	---	---	---	---	---	---	---	---	---	4.26
17	3.69	---	---	---	---	---	---	---	---	---	---	4.27
18	3.68	---	---	---	---	---	---	---	---	---	---	4.28
19	3.68	---	---	---	---	---	---	---	---	---	---	4.29
20	3.71	---	---	---	---	---	---	---	---	---	---	4.31
21	3.58	---	---	---	---	---	m2.52	---	---	---	---	4.35
22	3.11	---	---	---	---	---	---	---	---	---	---	4.36
23	3.23	---	---	---	---	---	---	---	---	---	---	4.38
24	3.34	---	---	---	---	---	---	---	---	---	---	4.28
25	3.42	---	---	---	---	---	---	---	---	---	---	3.92
26	3.49	---	---	---	---	---	---	---	---	---	---	3.96
27	3.52	---	---	---	---	---	---	---	---	---	---	4.04
28	3.54	---	---	---	---	---	---	---	---	---	---	4.03
29	3.57	---	---	---	---	---	---	---	---	---	---	3.81
30	3.59	---	---	---	---	---	---	---	---	---	---	3.75
31	3.61	---	---	---	---	---	---	---	---	---	m4.21	---
LOW	4.01	---	---	---	---	---	---	---	---	---	---	4.38
HIGH	3.11	---	---	---	---	---	---	---	---	---	---	3.75
WTR YR 1994	HIGH 2.52 APR 21 LOW 4.38 SEPT 23											
m Measured												

PIW 2
452829069322101



GROUND-WATER RECORDS

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.

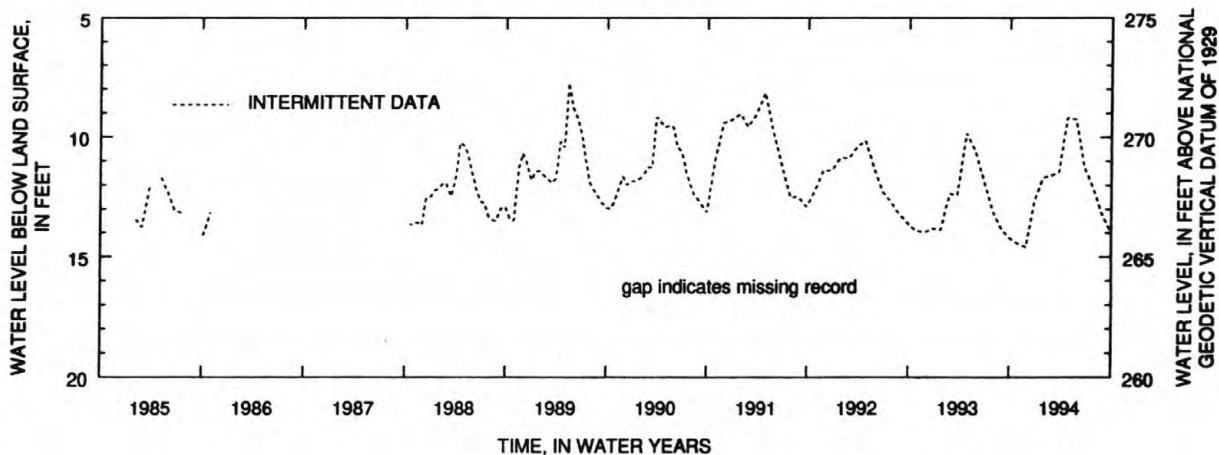
PERIOD OF RECORD.--January 1985 to November 1985 and Oct. 1987 to current year.

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 1993 TO SEPTEMBER 1994**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	14.42	DEC 27	12.70	FEB 28	11.59	APR 25	9.18	JUN 26	11.27	AUG 27	13.18
NOV 28	14.59	JAN 27	11.70	MAR 26	11.47	MAY 26	9.25	JUL 27	12.09	SEP 27	13.89
WATER YEAR 1994 HIGH 9.18 APR 25 LOW 14.59 NOV 28											

**SMW 61
445148069513301**



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.

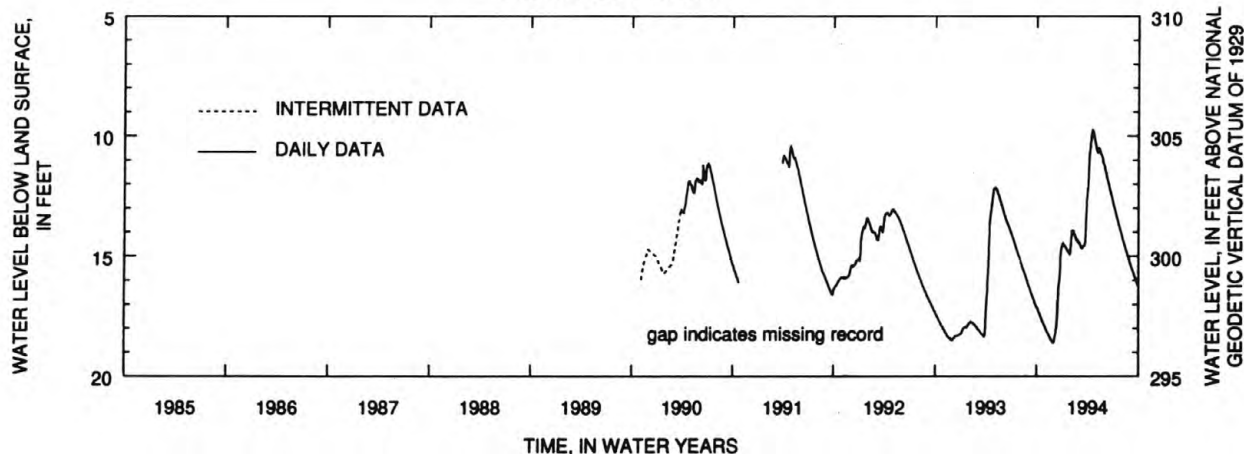
PERIOD OF RECORD.--November 1989 to current year.

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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.10	17.99	18.57	14.52	14.27	14.45	12.41	10.36	11.25	12.72	14.11	15.29
2	17.13	18.01	18.54	14.50	14.12	14.47	12.27	10.42	11.30	12.76	14.14	15.33
3	17.15	18.05	18.49	14.53	14.01	14.45	12.09	10.50	11.35	12.81	14.18	15.37
4	17.17	18.07	18.43	14.48	13.96	14.45	11.89	10.54	11.42	12.87	14.22	15.40
5	17.22	18.11	18.37	14.50	13.92	14.52	11.63	10.58	11.47	12.90	14.26	15.43
6	17.25	18.13	18.30	14.55	13.92	14.57	11.36	10.62	11.51	12.94	14.30	15.45
7	17.27	18.15	18.23	14.55	13.93	14.58	11.12	10.67	11.54	12.99	14.35	15.51
8	17.30	18.17	18.16	14.53	13.98	14.60	10.94	10.70	11.60	13.03	14.38	15.53
9	17.33	18.20	18.09	14.57	13.97	14.66	10.77	10.70	11.66	13.08	14.42	15.57
10	17.36	18.24	18.01	14.61	14.02	14.62	10.62	10.70	11.72	13.12	14.47	15.60
11	17.39	18.25	17.92	14.61	14.06	14.67	10.49	10.64	11.78	13.16	14.50	15.64
12	17.41	18.27	17.79	14.64	14.08	14.68	10.40	10.57	11.82	13.22	14.54	15.66
13	17.44	18.29	17.60	14.64	14.08	14.66	10.28	10.53	11.87	13.26	14.58	15.70
14	17.48	18.31	17.32	14.65	14.10	14.64	10.15	10.56	11.92	13.31	14.61	15.74
15	17.50	18.34	17.01	14.68	14.14	14.60	10.05	10.60	11.97	13.35	14.65	15.78
16	17.54	18.36	16.73	14.73	14.18	14.58	9.92	10.60	12.03	13.39	14.70	15.80
17	17.57	18.38	16.52	14.74	14.22	14.58	9.84	10.63	12.07	13.45	14.74	15.83
18	17.60	18.40	16.35	14.75	14.25	14.57	9.80	10.68	12.12	13.49	14.78	15.87
19	17.63	18.42	16.21	14.79	14.27	14.55	9.76	10.72	12.17	13.53	14.81	15.90
20	17.66	18.44	16.13	14.80	14.30	14.55	9.76	10.75	12.21	13.58	14.85	15.94
21	17.68	18.48	16.03	14.80	14.32	14.54	9.80	10.77	12.25	13.62	14.88	15.97
22	17.71	18.50	15.90	14.80	14.35	14.49	9.84	10.81	12.29	13.66	14.92	16.01
23	17.74	18.51	15.68	14.83	14.36	14.44	9.88	10.85	12.34	13.71	14.98	16.04
24	17.77	18.53	15.41	14.85	14.30	14.34	9.92	10.89	12.39	13.75	15.01	16.07
25	17.79	18.55	15.14	14.89	14.33	14.09	10.01	10.93	12.43	13.79	15.04	16.10
26	17.82	18.56	14.93	14.91	14.36	13.66	10.08	10.97	12.49	13.84	15.07	16.14
27	17.85	18.58	14.81	14.92	14.38	13.28	10.11	11.02	12.52	13.88	15.12	16.17
28	17.88	18.60	14.71	14.90	14.43	13.02	10.21	11.08	12.57	13.92	15.14	16.19
29	17.90	18.61	14.63	14.85	---	12.85	10.26	11.14	12.62	13.98	15.18	16.20
30	17.93	18.60	14.56	14.71	---	12.70	10.31	11.18	12.66	14.01	15.22	16.22
31	17.95	---	14.55	14.48	---	12.56	---	11.21	---	14.05	15.26	---
LOW	17.95	18.61	18.57	14.92	14.43	14.68	12.41	11.21	12.66	14.05	15.26	16.22
HIGH	17.10	17.99	14.55	14.48	13.92	12.56	9.76	10.36	11.25	12.72	14.11	15.29
WTR YR 1994	HIGH 9.76 APR 19, 20 LOW 18.61 NOV 29											

**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.

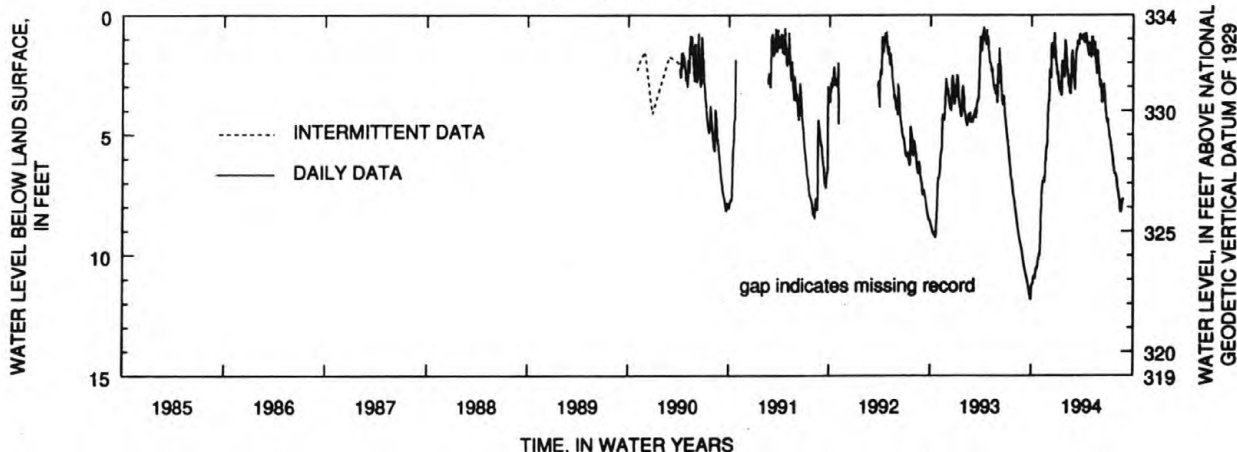
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.05 ft below land-surface datum, Nov. 20, 1990; lowest recorded, 11.84 ft below land-surface datum, Sep. 27, 1993.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.25	9.68	3.71	2.44	1.31	2.47	.89	1.27	2.37	4.51	6.69	---
2	11.20	9.32	3.61	2.40	1.52	2.65	1.06	1.28	2.48	4.33	6.78	---
3	11.18	8.69	3.59	2.56	1.60	2.50	.89	1.59	2.65	4.41	6.86	---
4	11.17	8.37	3.57	2.35	1.89	2.52	.83	1.79	2.85	4.58	6.93	---
5	11.20	7.96	2.95	2.66	1.92	2.94	.91	1.31	2.98	4.64	7.07	---
6	11.11	7.52	2.26	2.93	2.18	3.15	.94	.88	3.04	4.76	7.19	---
7	10.98	7.34	2.37	2.90	2.29	3.01	.76	1.24	2.71	4.91	7.24	---
8	10.92	7.22	2.43	2.77	2.49	2.55	1.09	1.03	2.85	5.00	7.31	---
9	10.86	7.06	2.55	3.02	2.49	2.08	1.17	.88	3.11	5.07	7.36	---
10	10.89	6.94	2.58	3.20	2.88	1.64	.90	1.22	3.38	5.16	7.44	---
11	10.93	6.90	1.57	3.12	2.95	1.37	1.09	1.43	3.54	5.20	7.55	---
12	10.93	6.90	1.16	3.14	2.99	1.48	1.17	1.25	3.68	5.22	7.65	---
13	10.95	6.97	1.44	3.06	2.91	1.38	1.03	1.16	3.50	5.30	7.73	---
14	10.86	6.77	1.25	3.00	3.06	1.38	.73	1.46	3.13	5.47	7.83	---
15	10.72	6.80	1.15	3.15	3.23	1.27	1.08	1.73	2.98	5.55	7.96	---
16	10.62	6.99	1.38	3.39	3.24	1.11	.92	1.72	3.20	5.61	8.08	---
17	10.54	6.85	1.64	3.24	3.27	1.06	.88	1.11	3.43	5.72	8.16	---
18	10.50	6.81	1.80	2.20	3.31	1.13	1.18	1.36	3.59	5.79	8.22	---
19	10.53	6.54	1.72	1.93	3.22	1.16	1.23	1.57	2.87	5.87	8.19	---
20	10.54	6.11	1.52	1.93	2.98	1.25	1.28	1.74	3.06	5.96	8.11	---
21	10.50	6.02	1.09	1.95	2.32	1.21	1.39	1.95	3.19	6.04	8.06	---
22	10.46	5.76	.73	1.96	1.68	.93	1.48	2.17	3.37	6.12	7.98	---
23	10.37	5.66	1.09	2.19	1.70	.82	1.50	2.31	3.66	6.25	7.80	---
24	10.22	5.45	1.38	2.18	1.44	.92	1.54	2.48	3.93	6.37	7.72	---
25	10.15	5.54	1.42	2.45	1.72	.76	1.72	2.09	4.06	6.47	7.65	---
26	10.13	5.47	1.50	2.54	1.83	.89	1.50	1.49	4.08	6.55	7.65	---
27	10.05	5.49	1.84	2.60	2.00	.90	1.12	1.44	4.22	6.61	7.71	---
28	9.99	5.20	1.98	2.09	2.27	.83	1.31	1.72	4.31	6.59	---	---
29	10.01	4.34	2.11	1.03	---	.90	1.48	2.05	4.41	6.58	m7.85	---
30	9.99	3.79	2.14	1.15	---	.94	1.60	2.10	4.46	6.60	---	---
31	9.91	---	2.42	1.16	---	.88	---	2.18	---	6.63	---	---
LOW	11.25	9.68	3.71	3.39	3.31	3.15	1.72	2.48	4.46	6.63	---	---
HIGH	9.91	3.79	.73	1.03	1.31	.76	.73	.88	2.37	4.33	---	---

WTR YR 1994 HIGH .73 DEC 22, APR 14 LOW 11.25 OCT 1
m Measured

**WOW 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.

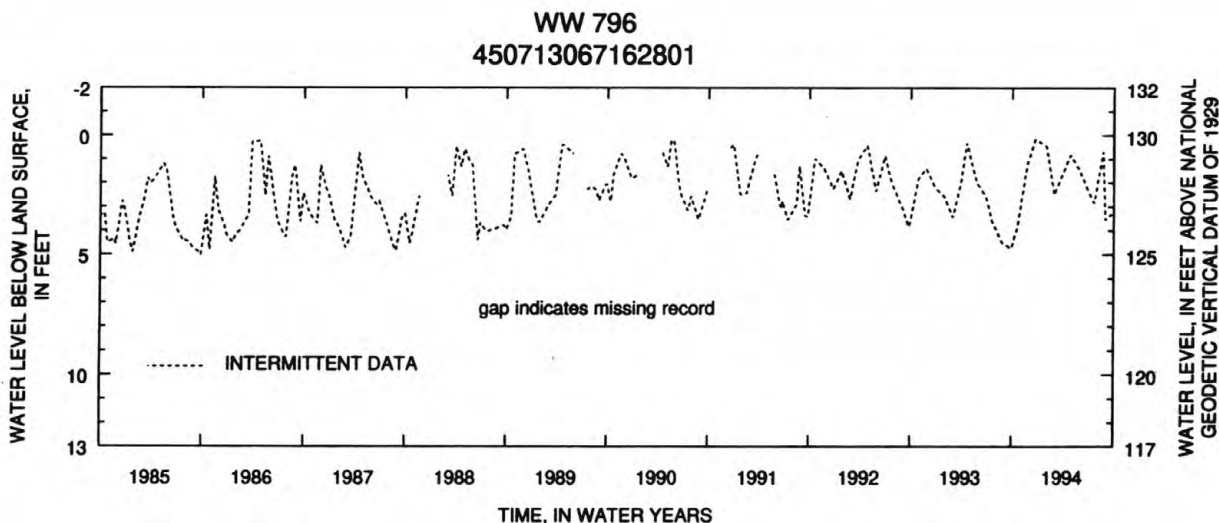
DATUM.--Elevation of land-surface datum is 130 ft above National Geodetic Vertical Datum of 1929, from topographic map. Measuring point: Top of casing, at land-surface datum, which is 0.8 ft above the general land surface.

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, 5.34 ft below land-surface datum, Sep. 16, 1980.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994**

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	3.80	DEC 22	.15	FEB 28	2.50	MAY 31	1.47	JUL 22	2.85	AUG 31	3.55
NOV 24	1.20	JAN 31	.45	APR 29	.82	JUN 30	2.31	AUG 23	.68	SEP 23	3.30
WATER YEAR 1994 HIGH .15 DEC 22 LOW 3.80 OCT 20											



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.

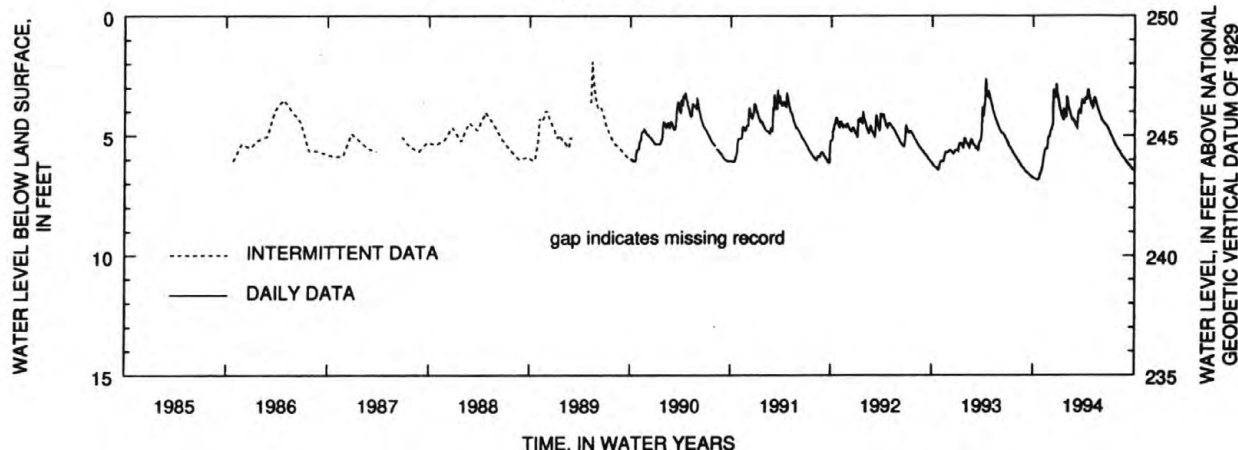
EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 1.84 ft below land-surface datum, May 14-15, 1989; lowest recorded, 6.84 ft below land-surface datum, Oct. 16 and 17 1993.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.77	6.35	4.85	3.63	3.54	4.54	3.61	3.78	4.22	4.82	5.56	6.09
2	6.78	6.30	4.81	3.70	3.61	4.57	3.68	3.79	4.26	4.84	5.58	6.10
3	6.78	6.18	4.79	3.77	3.66	4.58	3.67	3.81	4.29	4.87	5.59	6.12
4	6.78	6.10	4.78	3.81	3.73	4.58	3.47	3.84	4.31	4.91	5.61	6.14
5	6.80	6.03	4.78	3.86	3.77	4.62	3.50	3.80	4.35	4.95	5.62	6.15
6	6.80	5.95	4.71	3.94	3.83	4.67	3.55	3.58	4.38	4.97	5.64	6.17
7	6.80	5.89	4.64	3.99	3.89	4.69	3.41	3.50	4.39	4.98	5.65	6.19
8	6.80	5.80	4.60	4.03	3.94	4.61	3.41	3.49	4.40	5.00	5.67	6.19
9	6.80	5.72	4.58	4.06	3.99	4.49	3.50	3.45	4.41	5.02	5.68	6.20
10	6.81	5.67	4.56	4.12	4.04	4.38	3.45	3.39	4.43	5.04	5.72	6.22
11	6.82	5.63	4.20	4.16	4.08	4.08	3.39	3.43	4.45	5.07	5.75	6.23
12	6.83	5.60	3.20	4.18	4.14	3.97	3.46	3.47	4.47	5.10	5.77	6.24
13	6.83	5.57	3.13	4.22	4.16	4.01	3.50	3.50	4.50	5.13	5.78	6.25
14	6.83	5.55	3.15	4.24	4.19	4.10	3.15	3.56	4.50	5.15	5.79	6.26
15	6.83	5.54	3.14	4.26	4.24	4.09	3.15	3.61	4.52	5.18	5.81	6.27
16	6.84	5.54	3.19	4.32	4.28	3.95	3.16	3.64	4.52	5.20	5.83	6.29
17	6.84	5.54	3.25	4.34	4.31	3.91	3.07	3.68	4.52	5.23	5.85	6.31
18	6.82	5.56	3.31	4.03	4.35	3.91	3.11	3.73	4.53	5.26	5.87	6.32
19	6.82	5.56	3.38	3.92	4.37	3.96	3.18	3.77	4.55	5.28	5.88	6.35
20	6.82	5.46	3.43	3.94	4.38	4.02	3.25	3.81	4.58	5.31	5.90	6.37
21	6.82	5.30	3.35	3.98	4.30	4.06	3.33	3.85	4.59	5.33	5.91	6.38
22	6.78	5.16	2.85	4.01	4.27	3.98	3.40	3.88	4.60	5.35	5.92	6.39
23	6.70	5.09	2.87	4.07	4.36	3.86	3.45	3.91	4.63	5.38	5.93	6.40
24	6.64	5.05	2.98	4.11	4.36	3.73	3.50	3.97	4.66	5.40	5.95	6.41
25	6.59	5.04	3.06	4.16	4.41	3.59	3.57	3.99	4.68	5.42	5.97	6.41
26	6.56	5.04	3.16	4.21	4.44	3.54	3.63	4.02	4.69	5.44	5.99	6.43
27	6.53	5.06	3.27	4.25	4.47	3.59	3.66	4.06	4.71	5.45	6.01	6.44
28	6.51	5.05	3.34	4.13	4.50	3.55	3.70	4.10	4.74	5.48	6.02	6.44
29	6.48	4.98	3.42	3.53	---	3.56	3.74	4.14	4.77	5.50	6.04	6.45
30	6.43	4.90	3.48	3.42	---	3.63	3.76	4.16	4.80	5.52	6.06	6.45
31	6.39	---	3.56	3.45	---	3.63	---	4.18	---	5.54	6.08	---
LOW	6.84	6.35	4.85	4.34	4.50	4.69	3.76	4.18	4.80	5.54	6.08	6.45
HIGH	6.39	4.90	2.85	3.42	3.54	3.54	3.07	3.39	4.22	4.82	5.56	6.09

WTR YR 1994 HIGH 2.85 DEC 22 LOW 6.84 OCT 16,17

**WW 797
445227067520101**



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.

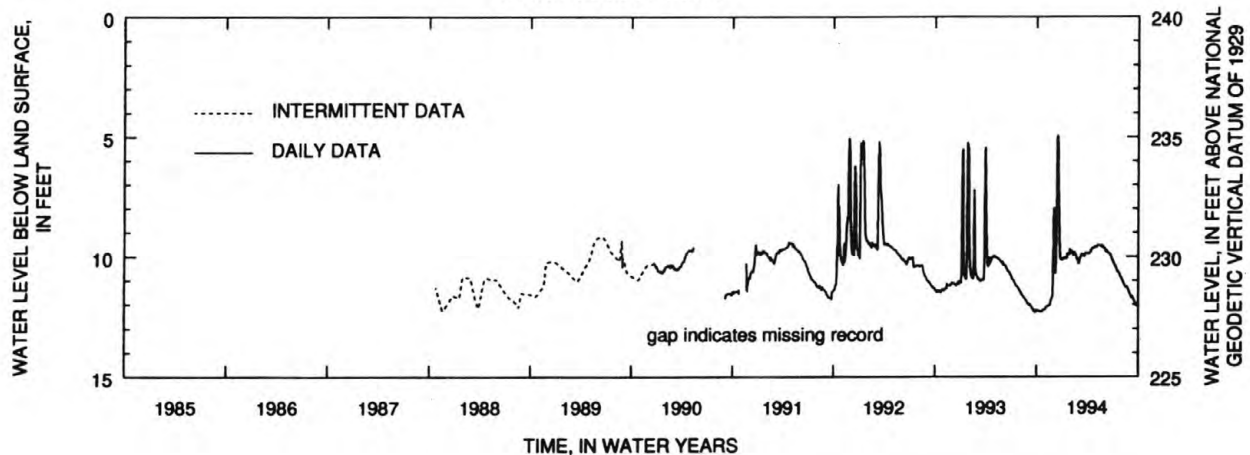
PERIOD OF RECORD.--Oct. 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 4.94 ft below land-surface datum, Dec. 15, 1993; lowest recorded, 12.32 ft below land-surface datum, Sep. 26 and 27, 1993.

**DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.26	12.18	7.97	10.14	9.79	10.27	9.85	9.59	9.65	10.14	10.89	11.54
2	12.27	12.14	8.24	10.11	9.82	10.30	9.88	9.58	9.65	10.16	10.91	11.57
3	12.27	12.14	8.30	10.11	9.80	10.28	9.89	9.58	9.68	10.19	10.94	11.61
4	12.27	12.12	8.37	10.10	9.80	10.14	9.88	9.60	9.70	10.22	10.96	11.66
5	12.22	12.11	8.68	10.06	9.80	10.04	9.88	9.60	9.73	10.25	10.98	11.68
6	12.22	12.08	9.37	10.05	9.79	10.03	9.87	9.56	9.77	10.29	11.00	11.63
7	12.23	12.07	10.24	10.06	9.82	10.04	9.87	9.55	9.73	10.32	11.03	11.62
8	12.25	12.08	10.69	10.06	9.88	10.04	9.85	9.55	9.72	10.34	11.08	11.62
9	12.25	12.08	10.73	10.03	9.95	10.03	9.87	9.53	9.72	10.37	11.11	11.64
10	12.25	12.08	9.05	10.03	9.93	10.01	9.85	9.53	9.74	10.38	11.13	11.66
11	12.27	12.06	8.12	10.04	9.95	9.94	9.83	9.53	9.78	10.39	11.16	11.71
12	12.28	12.05	7.05	10.06	9.94	9.92	9.82	9.53	9.81	10.41	11.18	11.74
13	12.27	12.05	5.26	10.05	9.92	9.94	9.81	9.53	9.83	10.43	11.20	11.76
14	12.27	12.05	4.95	10.06	9.85	9.94	9.76	9.53	9.83	10.46	11.22	11.79
15	12.28	12.04	4.94	10.03	9.85	9.94	9.73	9.53	9.83	10.49	11.23	11.82
16	12.28	12.02	5.05	10.06	9.86	9.94	9.71	9.53	9.84	10.54	11.25	11.85
17	12.28	12.02	5.44	10.06	9.90	9.92	9.68	9.52	9.86	10.57	11.27	11.87
18	12.27	12.01	6.23	9.97	9.93	9.92	9.67	9.52	9.88	10.60	11.29	11.88
19	12.26	11.96	7.07	9.88	9.96	9.92	9.67	9.54	9.89	10.60	11.26	11.91
20	12.28	11.87	7.56	9.87	9.97	9.95	9.65	9.54	9.89	10.60	11.25	11.94
21	12.28	11.79	8.30	9.86	9.99	9.98	9.64	9.54	9.90	10.63	11.25	11.99
22	12.26	11.79	9.21	9.85	10.01	10.00	9.64	9.57	9.90	10.65	11.25	12.02
23	12.22	11.77	9.72	9.89	10.09	9.94	9.64	9.57	9.93	10.67	11.28	12.04
24	12.24	11.76	9.97	9.88	10.11	9.90	9.64	9.60	9.96	10.69	11.31	12.04
25	12.24	11.74	10.05	9.88	10.11	9.86	9.64	9.60	9.98	10.71	11.34	12.02
26	12.24	11.67	10.08	9.91	10.14	9.85	9.64	9.57	10.00	10.74	11.38	12.00
27	12.24	11.63	10.09	9.93	10.18	9.85	9.63	9.57	10.04	10.76	11.41	12.03
28	12.22	11.62	10.11	9.90	10.24	9.85	9.58	9.59	10.07	10.79	11.43	12.04
29	12.19	10.77	10.13	9.74	---	9.85	9.58	9.60	10.10	10.83	11.46	12.03
30	12.19	8.73	10.14	9.72	---	9.85	9.59	9.62	10.12	10.85	11.49	12.07
31	12.20	---	10.14	9.75	---	9.85	---	9.62	---	10.87	11.52	---
LOW	12.28	12.18	10.73	10.14	10.24	10.30	9.89	9.62	10.12	10.87	11.52	12.07
HIGH	12.19	8.73	4.94	9.72	9.79	9.85	9.58	9.52	9.65	10.14	10.89	11.54
WTR YR 1994	HIGH 4.94 DEC 15 LOW 12.28 OCT 12,15-17,20 21											

**WW 922
444526068013301**



GROUND-WATER RECORDS

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.

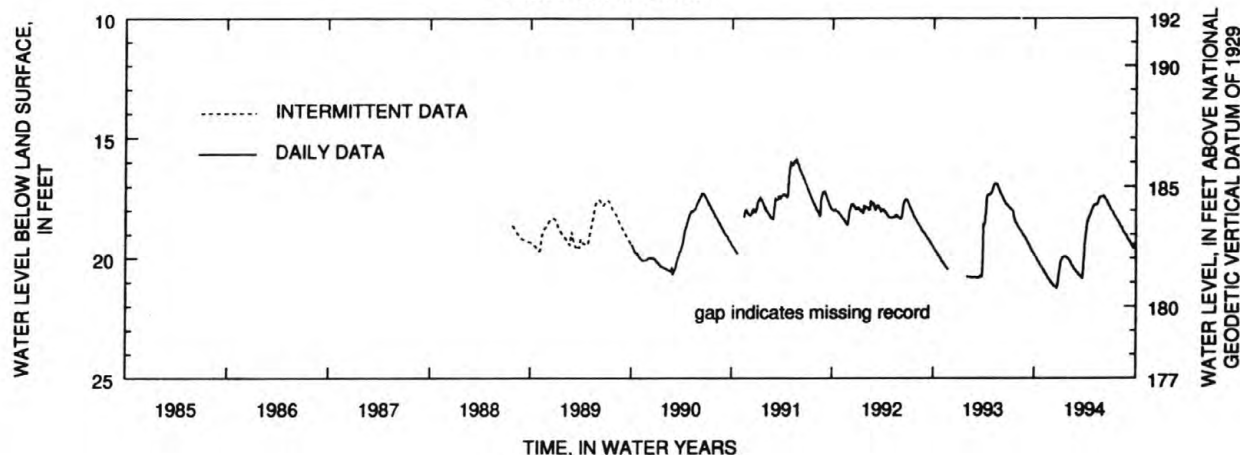
PERIOD OF RECORD.--July 1988 to current year. Records prior to July 1988 have not been published, but are available in the files of the U.S. Geological Survey.

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 1993 TO SEPTEMBER 1994
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.87	20.47	21.02	20.30	20.04	20.57	19.23	17.79	17.40	17.92	18.52	19.19
2	19.89	20.49	21.04	20.23	20.06	20.58	19.11	17.78	17.40	17.93	18.53	19.21
3	19.91	20.51	21.03	20.18	20.08	20.58	18.98	17.78	17.40	17.94	18.57	19.22
4	19.92	20.54	21.04	20.12	20.10	20.59	18.87	17.78	17.42	17.96	18.59	19.24
5	19.94	20.55	21.09	20.09	20.11	20.61	18.78	17.75	17.42	17.98	18.61	19.24
6	19.95	20.57	21.09	20.07	20.13	20.64	18.68	17.75	17.39	18.00	18.63	19.26
7	19.98	20.59	21.09	20.04	20.17	20.66	18.60	17.75	17.40	18.01	18.66	19.27
8	20.00	20.62	21.12	20.02	20.20	20.68	18.54	17.74	17.43	18.04	18.68	19.30
9	20.03	20.62	21.15	20.01	20.20	20.68	18.49	17.74	17.45	18.04	18.69	19.33
10	20.06	20.64	21.15	19.99	20.24	20.69	18.44	17.76	17.48	18.06	18.71	19.35
11	20.08	20.67	21.16	19.98	20.25	20.70	18.40	17.77	17.50	18.10	18.73	19.38
12	20.10	20.69	21.17	19.96	20.30	20.70	18.34	17.75	17.50	18.12	18.75	19.41
13	20.12	20.70	21.17	19.96	20.31	20.72	18.32	17.75	17.50	18.15	18.78	19.42
14	20.13	20.74	21.17	19.94	20.32	20.74	18.28	17.73	17.53	18.18	18.79	19.45
15	20.15	20.75	21.19	19.93	20.33	20.73	18.27	17.69	17.56	18.18	18.83	19.47
16	20.17	20.76	21.20	19.93	20.35	20.73	18.24	17.66	17.57	18.19	18.86	19.48
17	20.18	20.79	21.19	19.92	20.36	20.76	18.21	17.63	17.59	18.22	18.89	19.50
18	20.21	20.80	21.19	19.93	20.40	20.79	18.19	17.60	17.60	18.24	18.90	19.52
19	20.24	20.82	21.20	19.93	20.42	20.79	18.17	17.58	17.63	18.26	18.92	19.54
20	20.26	20.84	21.22	19.92	20.43	20.81	18.15	17.56	17.67	18.28	18.93	19.56
21	20.28	20.86	21.18	19.92	20.44	20.82	18.12	17.50	17.65	18.30	18.94	19.58
22	20.29	20.86	21.06	19.94	20.46	20.78	18.08	17.48	17.70	18.32	18.96	19.60
23	20.31	20.88	21.05	19.94	20.47	20.67	18.03	17.46	17.72	18.35	18.98	19.60
24	20.33	20.91	21.00	19.95	20.48	20.58	17.98	17.45	17.74	18.36	18.99	19.40
25	20.35	20.91	20.92	19.97	20.49	20.41	17.96	17.44	17.76	18.38	19.02	19.44
26	20.37	20.93	20.82	19.99	20.53	20.21	17.92	17.43	17.79	18.39	19.03	19.53
27	20.39	20.96	20.71	20.00	20.54	20.02	17.90	17.44	17.81	18.41	19.06	19.57
28	20.40	20.96	20.61	19.99	20.57	19.86	17.88	17.44	17.82	18.43	19.07	19.60
29	20.42	20.99	20.51	20.01	---	19.65	17.83	17.44	17.83	18.45	19.11	19.62
30	20.44	21.01	20.43	20.01	---	19.52	17.80	17.43	17.86	18.48	19.13	19.64
31	20.46	---	20.37	20.02	---	19.36	---	17.41	---	18.50	19.16	---
LOW	20.46	21.01	21.22	20.30	20.57	20.82	19.23	17.79	17.86	18.50	19.16	19.64
HIGH	19.87	20.47	20.37	19.92	20.04	19.36	17.80	17.41	17.39	17.92	18.52	19.19
WTR YR 1994	HIGH 17.39 JUNE 6 LOW 21.22 DEC 20											

YW 807
432310070393301



441852071033101 WILD RIVER PRECIPITATION AT BEANS PURCHASE, NH
(Hydrologic bench-mark station)

LOCATION.--Lat 44°18'52", long 71°03'33", Coos County, Hydrologic Unit 01040002, in an old log landing opposite the Shelburne Trailhead, 250 ft east of Wild River Road and 7.8 miles by road from Wild River at Gilead, ME gage (01054200).

PERIOD OF RECORD.--November 1990 to current year.

INSTRUMENTATION.--Standard 8-in. diameter, weighing bucket raingage with 20 in. capacity, mounted on a 6 ft platform with the top of the gage being 8 ft above ground, and protected with an alter windshield. Potentiometer output is recorded on a data logger.

REMARKS.--Gage is operated in conjunction with streamflow gage 01054200, Wild River at Gilead, ME. Satellite precipitation telemeter at station.

RAINFALL ACCUMULATED (INCHES), WATER YEAR OCTOBER 1993 TO SEPTEMBER 1994
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.0	.2	.0	.0	.0	.0	.0	.4	.0	.0	.0	.1
2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1
3	.2	.0	.0	.0	.0	1.1	.0	.0	.0	.0	.0	.0
4	.3	.0	.0	.5	.0	.2	.0	.0	.0	.0	.1	.0
5	.0	.2	.6	.3	.0	.0	.0	.2	.0	.0	.4	1.1
6	.0	.2	.0	.0	.0	.0	.3	.0	.1	.0	.0	.0
7	.1	.0	.0	.0	.0	.0	.6	.0	.2	.3	.0	.0
8	.0	.0	.0	.3	.0	.2	.0	1.6	.0	.1	.0	.0
9	.1	.0	.0	.3	.3	.0	.0	.3	.0	.2	.0	.0
10	.0	.0	.5	.0	.0	1.1	.2	.0	.0	.0	.0	.0
11	.0	.0	.7	.0	.0	.0	.0	.0	.0	.1	.1	.1
12	.6	.0	.0	.0	.0	.0	.0	.4	.2	.0	.0	.0
13	.1	.0	.0	.0	.2	.0	.5	.0	.3	.0	.0	.0
14	.0	.2	.0	.3	.1	.0	.1	.0	.3	.0	.5	.2
15	.0	.0	.1	.0	.0	.1	.0	.0	.0	.2	.0	.0
16	.0	.0	.1	.1	.0	.1	.5	.4	.0	.1	.0	.0
17	.0	.0	.0	.7	.0	.1	.1	.2	.0	.0	.0	.0
18	.1	.1	.0	.5	.0	.0	.0	.0	.0	.0	1.1	.0
19	.0	.8	.0	.0	.0	.0	.0	.0	.0	.2	.0	.0
20	.0	.3	.0	.0	.0	.1	.0	.0	.0	.0	.1	.0
21	.6	.0	2.0	.0	.0	.0	.0	.0	.0	.3	.6	.0
22	.0	.0	.1	.0	.0	1.4	.0	.0	.0	.3	.1	.0
23	.1	.0	.0	.0	.2	.0	.0	.0	.0	.0	.0	2.1
24	.0	.0	.0	.1	.7	.0	.0	.0	.0	.0	.0	.6
25	.0	.0	.0	.0	.1	.0	.0	.2	.6	.1	.0	.0
26	.0	.0	.0	.0	.0	.0	.8	.3	.2	.4	.0	.1
27	.0	.0	.0	.0	.0	.6	.1	.2	.4	.2	.0	.7
28	.0	4.1	.0	1.7	.0	.1	.0	.0	.1	.3	.0	.2
29	.1	.0	.0	.1	---	.0	.0	.0	.0	.1	.0	.2
30	.0	.0	.3	.0	---	.0	.0	.0	.0	.1	.0	.1
31	.2	---	.0	.0	---	.0	---	.0	---	.1	.0	---
TOTAL	2.5	6.1	4.4	4.9	1.6	5.1	3.2	4.2	2.4	3.1	3.0	5.6

CAL YR 1993 TOTAL 45.0
WTR YR 1994 TOTAL 46.1



Stream gaging trip near Medford
March 3, 1936

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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

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